

# INDUSTIAL SOLUTIONS

Product catalogue



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Your Safety  
Solutions Partner





## ABOUT US

Armour Safety your trusted partner in comprehensive safety solutions. Founded on the principles of innovation, quality, and reliability, Armour Safety has been dedicated to ensuring the highest standards of safety across various industries.

## OUR MISSION

Armour Safety your trusted partner in comprehensive safety solutions. Founded on the principles of innovation, quality, and reliability, Armour Safety has been dedicated to ensuring the highest standards of safety across various industries.

## OUR COMMITMENT

Quality and safety are at the heart of everything we do. We adhere to stringent quality control measures and industry standards to ensure that our products are reliable and effective. Our team of experts continuously monitors and enhances our product range to meet the evolving safety needs of our clients.








## CUSTOMER FOCUS

At Armour Safety, we prioritize our clients' needs and satisfaction. We work closely with our customers to understand their specific safety challenges and provide tailored solutions that exceed expectations. Our commitment to excellence extends beyond product delivery, offering comprehensive after-sales support and maintenance services.

## INNOVATION AND TECHNOLOGY

Innovation drives our success. We invest in the latest technology and research to develop products that set new benchmarks in safety and efficiency. Our R&D team is dedicated to exploring new materials, designs, and technologies that enhance the performance and reliability of our safety solutions.

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Certified By TUV According To PAS13 Standards



We passed by

- COUNTLESS IMPACT TESTS
- DESIGN CHANGES
- RETEST
- CHANGE AGAIN

Part	Descr Part iption
Material	The polymer imported from Europe is polymerized into a dozen kinds of international standard environmental protection materials such as high toughness polymer, antioxidant, ultraviolet absorber, light stabilizer, anti-static agent, nucleating agent, scratch resistance agent, etc., to form a unique LB-FS2019 polymer material. We have applied for a national invention patent.
Pipe	Multi-layer extrusion, outer UV resistance in accordance with GB/T16422.2-1999 standard xenon lamp aging test chamber limit test more than 1500H (equivalent to outdoor 3 years), no brittle deformation cracking and other phenomena, color change process in line with national standards; The surface is scratch-resistant and dirt resistant; The inner layer enhances the flexible network structure, which is flexible and has good impact resistance.
Base	The base of the guardrail is assembled with metal, rubber and other materials, exposed metal spray treatment, neutral salt spray test for 500 hours without rust. The floor rail is made of high strength metal casting, the surface of Dacromet, neutral salt spray test 1000 hours without rust.
Ground fixation	The inverted cone chemical anchor is connected to the ground, the surface dacromet, and the neutral salt spray test does not rust for 1000 hours; Stainless steel 304 with cover nut fastening.

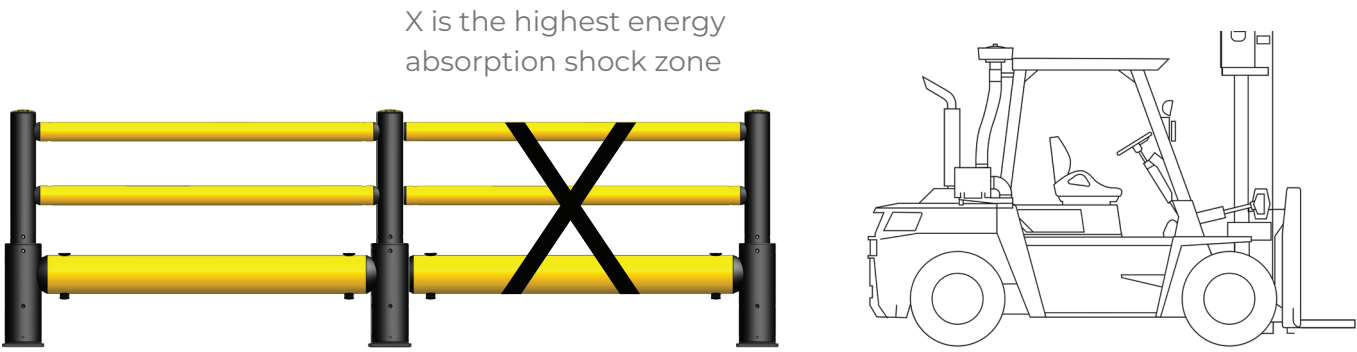
RAL 9017

RAL 1003

RAL 9002

Using German imported planting glue, anchor bolt can withstand the maximum 33kN tensile load.

**Application scenario:** Suitable for human-vehicle separation channels, area isolation, wall protection, facility protection, etc., limiting the vehicle will not cause harm to the protected personnel and assets during the driving process.



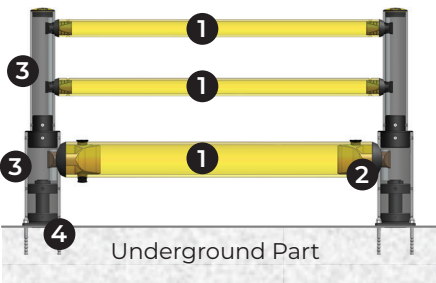
**Absorbable impact energy:** Forklift and barrier 90 degrees, impact of forklift tail on the middle of 1.8m beam

**5 Tonne vehicle at 5.0 km/h speed**

**Absorbed impact energy:** Forklift truck and guardrail 90 degrees, forklift tail impact on the middle of the column

**5 Tonne vehicle at 3.0 km/h speed**

Buffer Structure:



- 1

First Level Buffer (Beam)
- 2

Secondary Buffering (Connecting Module)
- 3

Triple Buffering (Column)
- 4

Fourth Stage Buffer (Base)

Product Categories:



According to the different guardrail choices of vehicles driving on the scene are different, which is divided into:

- H Barrier

• M Barrier
- L Barrier

• E Barrier
- S Barrier





Warehouse people and vehicles separated



Separation of people and vehicles in workshop



People and vehicles at plant separated



Facility protection

**Application scenario:** Suitable for areas requiring independent protection, such as isolation areas and both ends of doors.

Before Impact



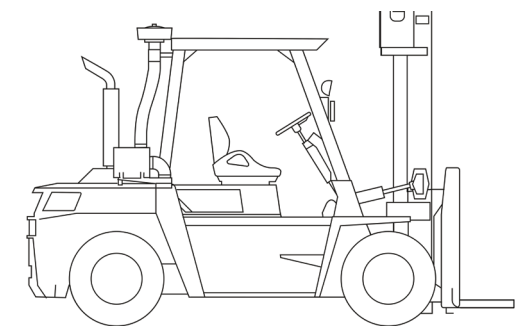
Impacting



After Impacting



X is the highest energy absorption shock zone



**Absorbable impact energy:** Forklift and bollard at 90 degrees, impact of forklift on 250mm position

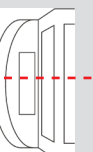
**5 Tonne vehicle at 4.5 km/h speed**



Deformation unloading



90°



**Absorbable impact energy:** Forklift and bollard at 90 degrees, impact of forklift on the edge of

**5 Tonne vehicle at 4.5 km/h speed**

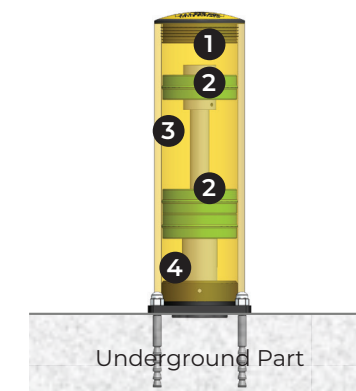


90°

Rotary unloading

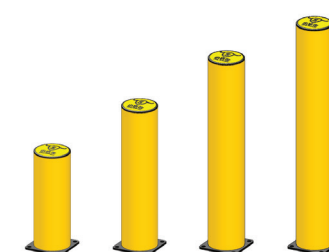


**Buffer Structure:**



- 1 First Level Buffer (Column)
- 2 Secondary Buffering (Slow impact ring)
- 3 Triple Buffering (Elastic inner core)
- 4 Fourth Stage Buffer (Elastic Base)

**Product Categories:**



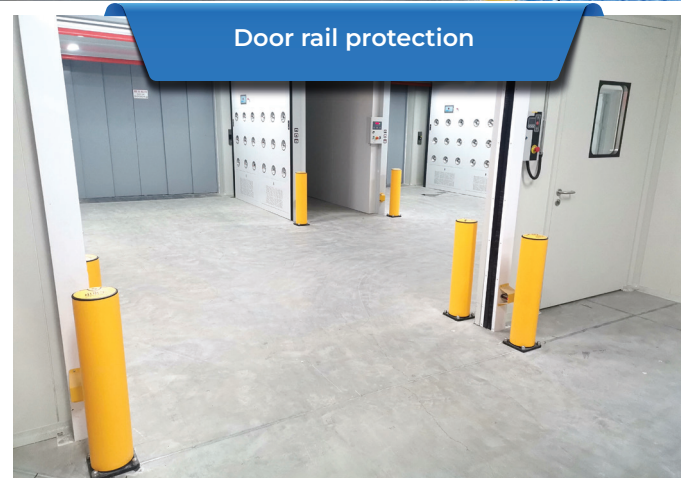
According to the different vehicles driving on the site, the choice of bollards is different, which is divided into (height can be customized according to demand) :

- 180 Bollard
- 160 Bollard
- 125 Bollard





Feed port protection



Door rail protection



Guide device protection



Rack column protection

**Application scenario:** It is suitable for landing protection to prevent injuries caused by foot and rear impact of forklift trucks. Widely used in shelf end, shelf side, wall, important facilities and other areas.

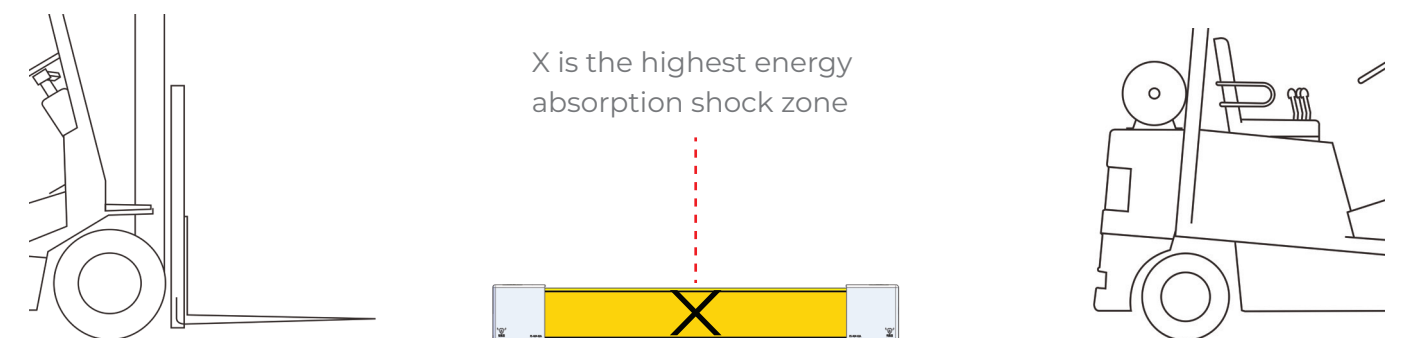
Before Impact



Impacting



After Impacting



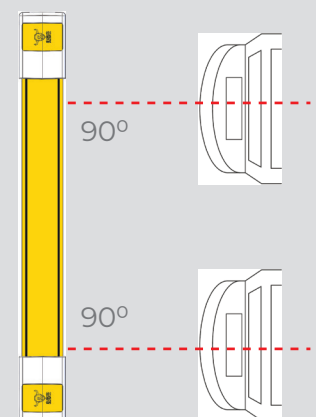
**Absorbable impact energy:** Forklift and barrier 90 degrees, impact of forklift on the middle of 1.8m Ground Barriers

**3 Tonne vehicle at 5.5 km/h speed**

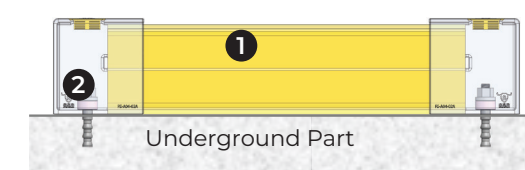


**Absorbable impact energy:** Forklift and barrier 90 degrees, impact of forklift on the end (metal)

**3 Tonne vehicle at 2.0 km/h speed**

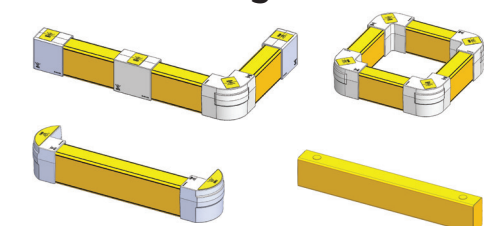


Buffer Structure:



- 1 First Level Buffer (Ground Barrier body)
- 2 Secondary Buffering (Elastic fixed module)

Product Categories:



The floor column can be freely combined, the length and size can be customized at will, which is divided into the following categories:

- Arcuated Ground Barriers
- Built-in Ground Barriers
- Combination of Ground Barriers



# GROUND BARRIER PROTECTION



Wall protection



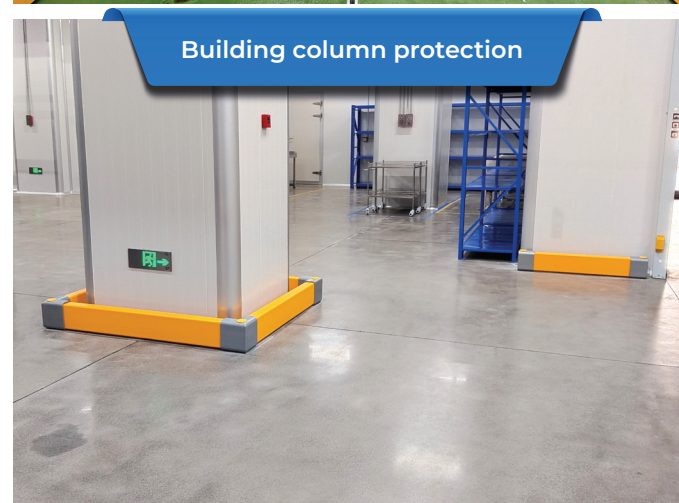
Main channel application



Shelf end protection

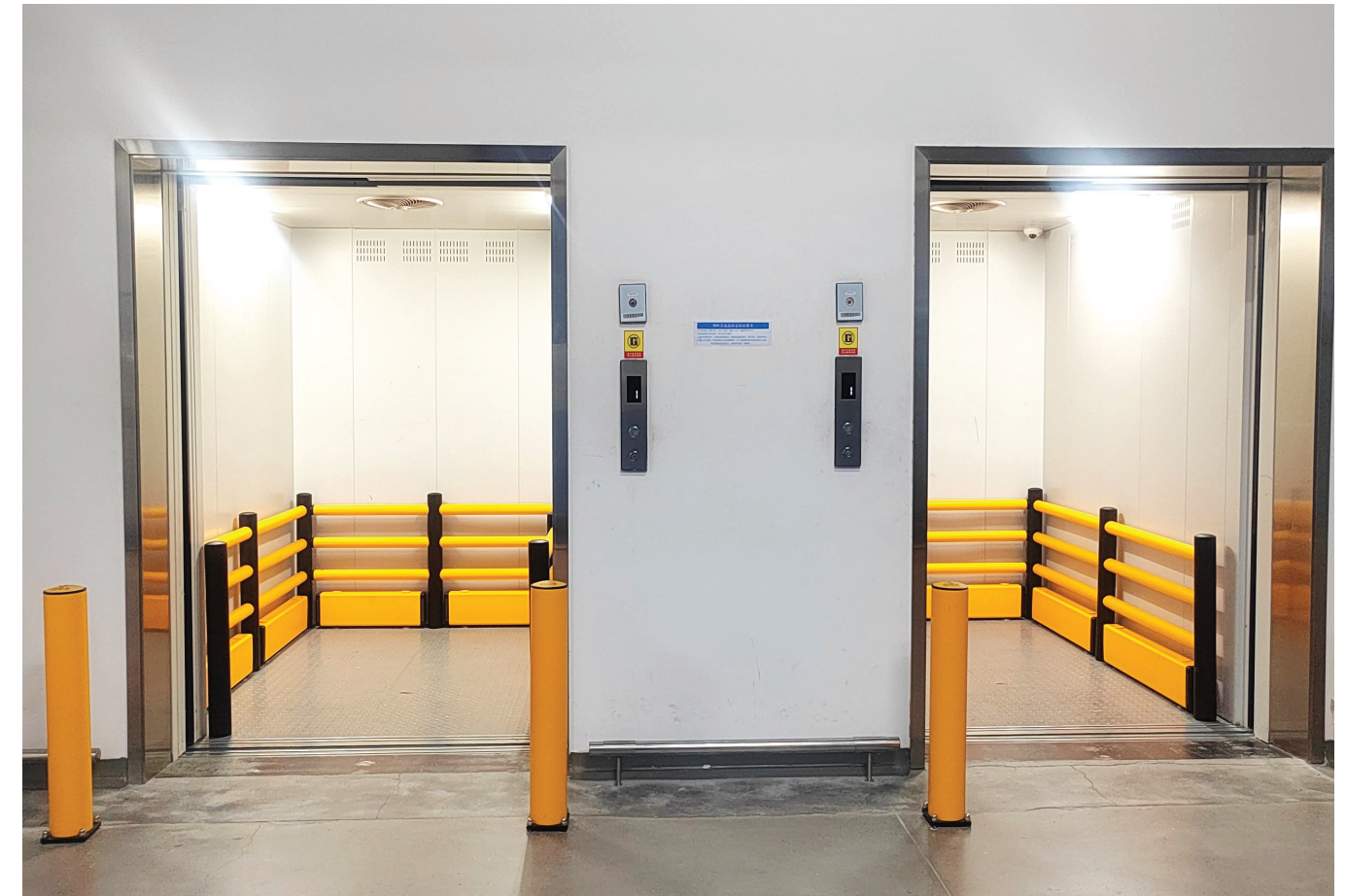


Building column protection



# ELEVATOR PROTECTION

**Application scenario:** Suitable for the protection of freight elevators, to prevent the impact of logistics vehicles on the elevator gate, the top edge of the elevator, the car and other positions.



Double opening elevator protection



Single opening elevator protection



Elevator height limit protection



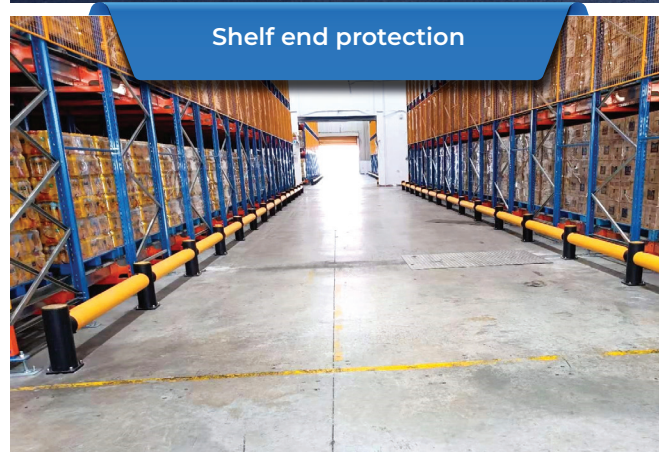
Single opening elevator protection





# WAREHOUSE PROTECTION

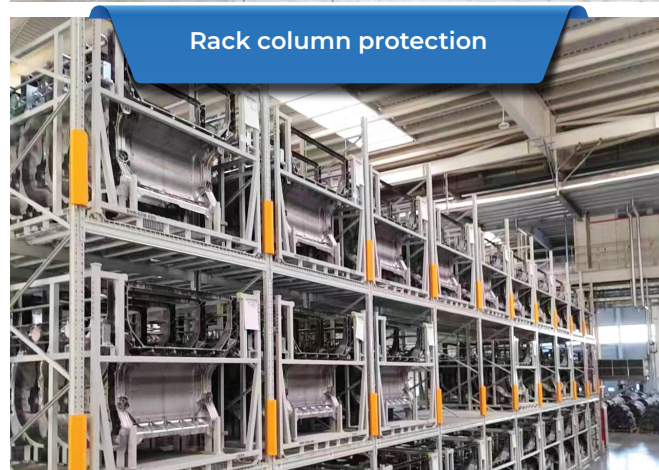
**Application scenario:** It is suitable for isolation protection of warehouse area, protection of shelf posts, shelf ends, office sites and platforms to prevent injuries to personnel, products and facilities caused by vehicle impact of frequent operations in logistics areas.



Shelf end protection



Zone isolation



Rack column protection



Limited overhead anti-impact

# OTHER PROTECTION

**Application scenario:** It is suitable for protecting building columns, fire hydrants, fire pipes, electrical cabinets, public power, rain pipes, power pipes, rolling gates, wall panels and other areas that need to be protected to avoid unnecessary consequences caused by damage.



Field office isolation



Large threshold high protection



Fire hydrant protection



Antifallers



Platform rolling shutter door application



One-way revolving door application



**Application scenario:** Suitable for the protection of food industry, pharmaceutical industry, clean room wall and other areas to prevent the damage caused by manual hydraulic forklift and trolley impact on facilities.

Before Impact



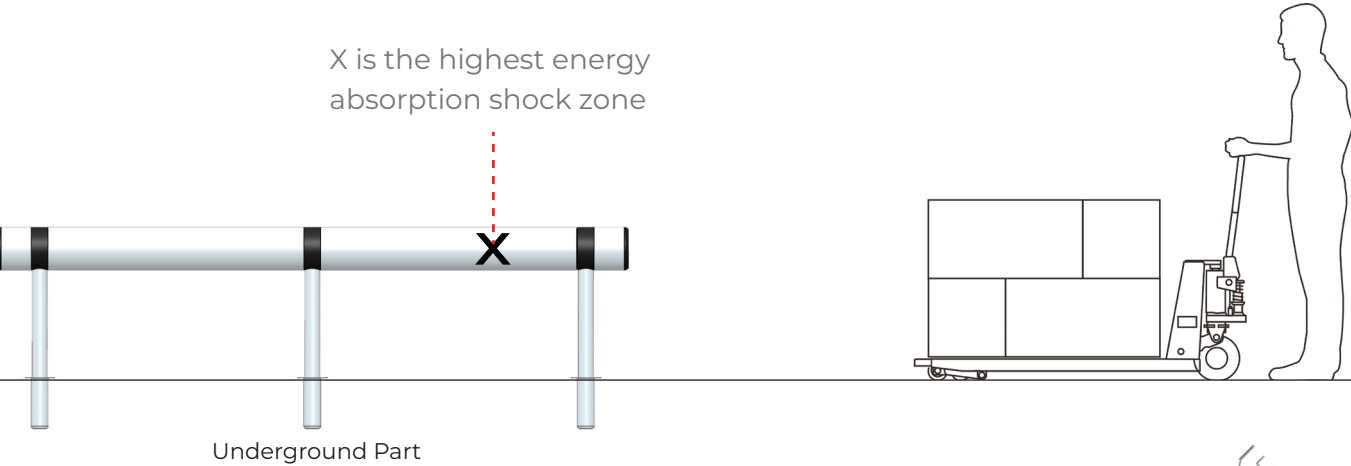
Impacting



After Impacting



X is the highest energy absorption shock zone

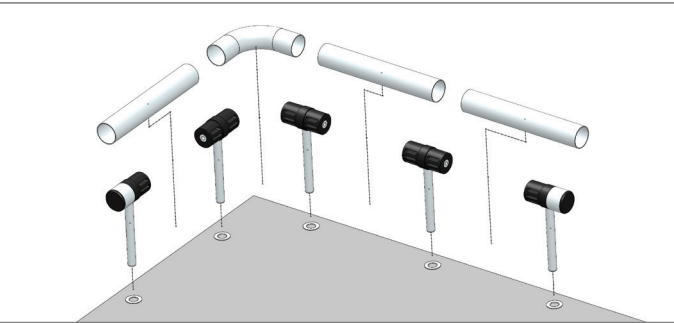


**Absorbable impact energy:** 45 degree impact of goods and guardrail on beams and columns

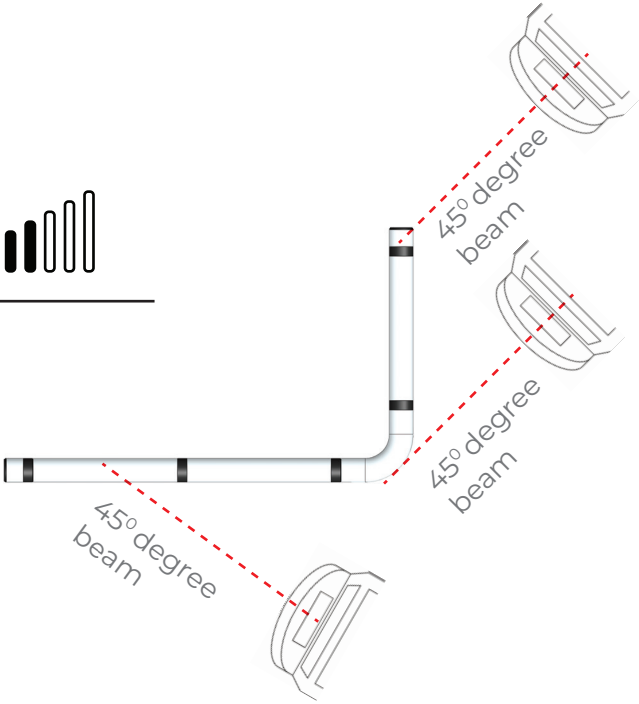
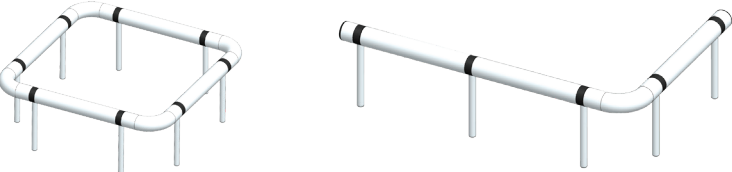
**0.5 Tonne vehicle at 5km/h speed**



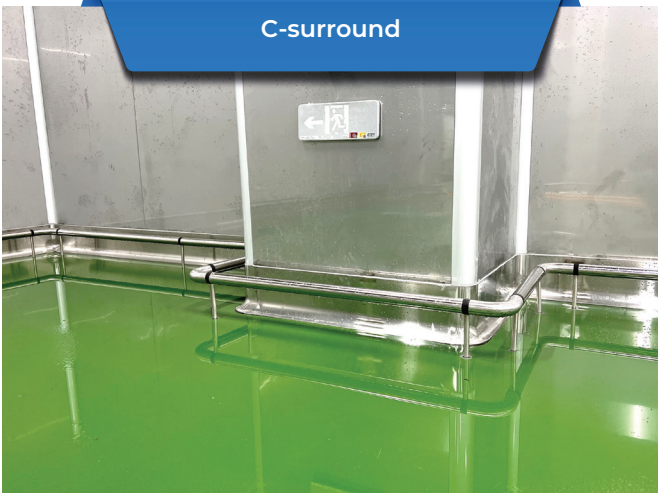
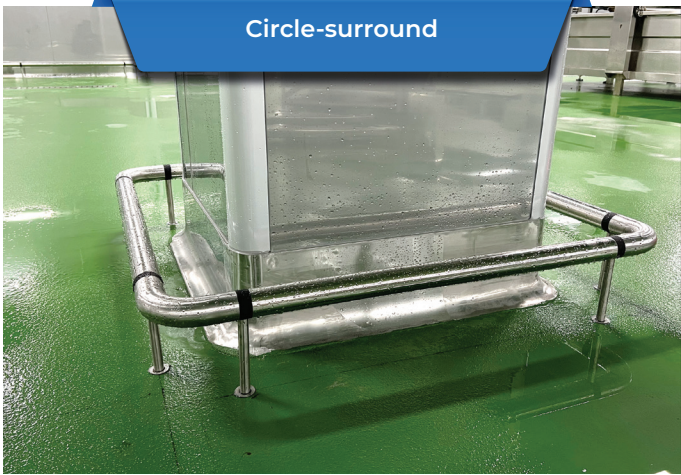
**Quick assembly and replacement:**



**Arbitrary connection:**



All materials are RoHS certified





# OUR CUSTOMERS

## THE FOOD INDUSTRY



Coca-cola



Mengniu Dairy



COFCO



UNI-PRESIDENT  
Uni-President Enterprises



pepsi  
PepsiCo



Asian arowana



Yili Group



Tsingtao Brewery



DACA INTERNATIONAL  
Daca International



WANT WANT GROUP  
Want Want Group

## ELECTRICAL APPLIANCE INDUSTRY



Midea



Siemens



Bosch



Schneider Electric



Haier



Xiaomi



Bull



Changhong



Fangtai Group,  
the leader of high-end  
kitchen appliances



Samsung

## THE AUTOMOBILE INDUSTRY



Tesla



BYD Auto



FAW-Volkswagen



Volvo Cars



Mitsubishi  
Motors



Great Wall Motors



Linamar



faurecia



CAT



BorgWarner

## OTHER INDUSTRY



The Chemical Company

D-BASF Company



Powering Business Worldwide

Cainiao Logistics



Cainiao Logistics



Sinotrans



Procter & Gamble



Linde



AstraZeneca



Deppon logistics



Nippon Paint



Deli stationery

## JOIN US IN BUILDING A SAFER TOMORROW

Armour Safety is more than a company; we are a partner dedicated to building a safer future. Whether you are in construction, industrial operations, or any sector requiring top-tier safety solutions, you can trust us to deliver products and services that safeguard your most valuable assets.

Armour Safety together, we can create a safer, more secure environment for everyone.