

Height Guard

The X-Protect Height Guard is a simple and flexible height warning solution for warehouse and industrial environments. Installed in loading areas, height restricted passages and internal traffic routes, it helps reduce the risk of accidental contact with overhead structures.



The X-Protect Height Guard is designed for warehouses and industrial facilities where vehicles operate close to overhead structures and restricted passages.

Its lightweight and highly visible design makes the system easy to install, adjust and adapt to different layouts and clearance needs. Suitable for loading areas, warehouses and internal traffic routes, the solution helps improve visibility and create safer working environments.

The simple and flexible solution makes it a practical solution for facilities looking for an easy-to-install height warning system that can be adapted as operational needs change.

Key features

- Clear visual height warning
- Fast and easy installation
- Lightweight and flexible design
- Adjustable to different layouts
- Suitable for restricted passages

Models

Height Guard 3 articles

ARTICLES / DESCRIPTION	WIDTH (MM)	COLOR
 RCI1-177-HG Height Guard	1770	Zinc Yellow (RAL 1018)
 RCI1-227-HG Height Guard	2270	Zinc Yellow (RAL 1018)
 RCI1-277-HG Height Guard	2770	Zinc Yellow (RAL 1018)

Related products



COLUMN GUARDS

X-Protect Column guard

Use the X-Protect Column Guard when you need to protect the columns in your facility from impact damage. The unique design features specially formed air channels that effectively dissipate impact f...

[1 articles](#)



NEW

X-PROTECT DOCK GATE

Dock Gate

The X-Protect Dock Gate helps protect loading bays and dock areas in demanding warehouse and logistics environments. Designed for smooth and controlled operation, it combines reliable impact protec...

[3 articles](#)



NEW

HEIGHT RESTRICTORS

Goal Post

The X-Protect Goal Post is designed to create clear height warnings for vehicles in warehouse and industrial environments. Installed in loading areas, restricted passages and internal traffic route...

[9 articles](#)



X-PROTECT BOLLARDS

Bollards

X-Protect Bollards safeguard corners, doorways and equipment from vehicle impacts. The black and yellow colour scheme enhances visibility and helps direct forklift traffic, creating safer, well-org...

[7 articles](#)

X-Protect components

These are the building blocks of our modular Impact Protection range.

BARRIERS & RAILS

Pedestrian Rails



Width x Height:

68 x 72 mm | 2 11/16" x 2 27/32"

Length:

270 - 1770 mm | 10 5/8" - 69 11/16"

Impact Barriers



Width x Height:

116 x 220 mm | 4 9/16" x 8 21/32"

Length:

270 - 2770 mm | 10 5/8" - 109 1/16"

POSTS & BOLLARDS



Classic
4 connection sides

Height:

350 -

Width:

200 mm

7 7/8"

1160 mm

13 13/16" -

45 11/16"



Essential
2 connection sides

Height:

620 -

Width:

132 mm

5 3/16"

1170 mm

24 7/16" -

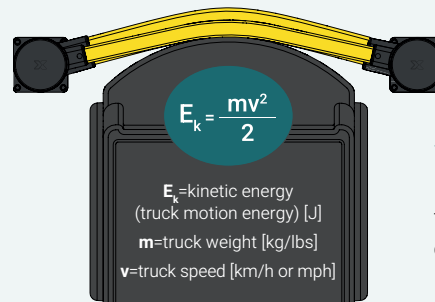
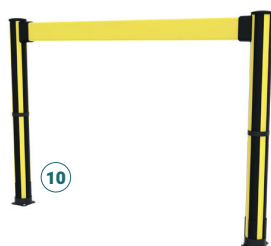
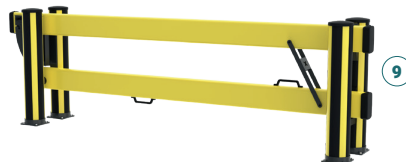
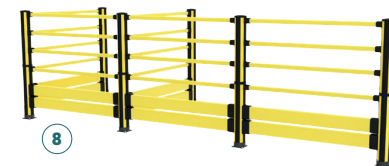
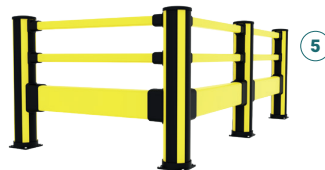
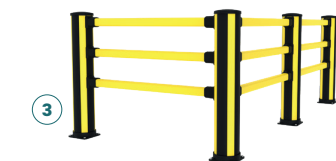
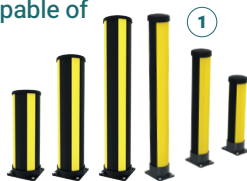
46 1/16"



X-Protect Standard Configurations

+ the highest impact energy (J) they are capable of withstanding*

* The highest force depends on the C-C. More information is available upon request.



$$E_k = \frac{mv^2}{2}$$

E_k = kinetic energy (truck motion energy) [J]

m = truck weight [kg/lbs]

v = truck speed [km/h or mph]

Impact testing

This is how we calculate the energy from a vehicle impact.



Loaded weight

3600 kg / 7930 lbs



Loaded weight

2700 kg / 5940 lbs



Loaded weight

2100 kg / 4620 lbs

Speed	Load
6 km/h 3.7 mph	5020 J
8 km/h 5 mph	8880 J
12 km/h 7.5 mph	19960 J

Speed	Load
6 km/h 3.7 mph	3770 J
8 km/h 5 mph	6660 J
12 km/h 7.5 mph	14970 J

Speed	Load
6 km/h 3.7 mph	2930 J
8 km/h 5 mph	5180 J
12 km/h 7.5 mph	11670 J

Component Colours



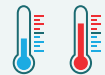
RAL 1018



RAL 9011

Operating temperature

-10°C → 40°C



1. Bollards

- Classic | 5220 J
- Essential | 1500 J

2. Impact Barriers

- Impact | 4500 J
- Impact High | 6200 J
- Double Impact Low | 7700 J
- Double Impact High | 7000 J

3. Pedestrian Rails

- Pedestrian | 5000 J
- Essential Pedestrian | 2250 J
- Essential Pedestrian 2 rail | 1700 J
- Essential Pedestrian | 2250 J

4. Floor Barrier | 2250 J

- Can be used both with Impact & Pedestrian configurations or as stand-alone protection.

5. Pedestrian Rails + Impact Barriers

- Pedestrian + Impact | 6700 J
- Pedestrian + Impact High | 8000 J
- Pedestrian + Double Impact | 8300 J
- Essential Pedestrian + Impact High | 3100 J

6. Pedestrian Gate | 0 J

7. Column Guard | 1800 J

8. Topple Barriers

- Pedestrian | 5250 J
- Impact | 6200 J

9. Dock Gate | 10200 J

10. Height Restrictors

- Goal Post | 4200 J
- Height Guard

11. Upright Protector