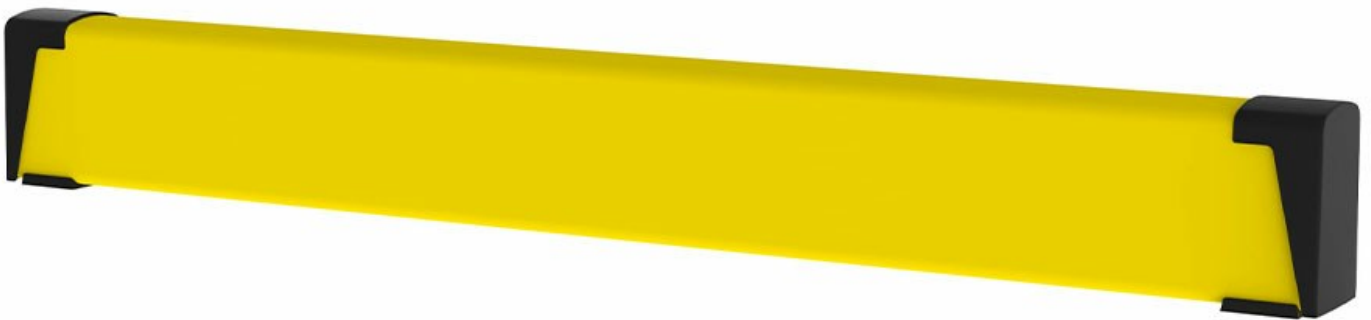




Floor Barrier

Designed to serve as a standalone solution, it improves the safeguarding of building perimeters and vital infrastructure from the everyday risks of vehicle forks, pallets in transit, AMRs and AGVs, and other low-height hazards. It can be combined with our other impact protection products such as Impact High and Pedestrian barriers.



With a requirement of two fixings per section, even for spans up to 2.77 meters, its setup is straightforward and minimally invasive. This streamlined installation process saves time and decreases the need for modifications to your existing layout.

The Floor Barrier's performance is both reliable and formidable, capable of withstanding impacts up to 3000 J with less than 200mm deflection over a span of 1.77 meters.

Ease of installation, complemented by push-fit parts and heavy-duty expansion bolts, marries well with the system's adaptability. With our drilling template, adjustments can be made swiftly, allowing the Floor Barrier system to evolve in tandem with the shifting safety requirements of your workspace.

Floor barrier test results					
Length	Load	Equivalent to		90° Deflection	Force to fixings
1700mm	3000 J	2500 kg 5.6 km/h	5000 kg 4 km/h	200mm	14.9 kN
2270mm	3000 J	2500 kg 5.6 km/h	5000 kg 4 km/h	240mm	13.8 kN
2770mm	2700 J	2500 kg 5.3 km/h	5000 kg 3.7 km/h	270mm	14.7 kN



Models

Impact rails 15 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	COLOR
 RCI1-027-0050 Impact rail		270	500	Zinc Yellow (RAL 1018)
 RCI1-047-0070 Impact rail		470	700	Zinc Yellow (RAL 1018)
 RCI1-077-0100 Impact rail		770	1000	Zinc Yellow (RAL 1018)
 RCI1-127-0150 Impact rail		1270	1500	Zinc Yellow (RAL 1018)
 RCI1-177-0200 Impact rail		1770	2000	Zinc Yellow (RAL 1018)
 RCI1-227-0250 Impact rail		2270	2500	Zinc Yellow (RAL 1018)
 RCI1-277-0300 Impact rail		2770	3000	Zinc Yellow (RAL 1018)
 RCI1-064-0087 Impact rail		640	870	Zinc Yellow (RAL 1018)
 RCI1-067-0090 Impact rail		670	900	Zinc Yellow (RAL 1018)
 RCI1-197-0220 Impact rail		1970	2200	Zinc Yellow (RAL 1018)

 RCI1-201-0224 Impact rail	2010	2240	Zinc Yellow (RAL 1018)
 RCI1-074-0097 Impact rail	740	970	Zinc Yellow (RAL 1018)
 RCI1-207-0230 Impact rail	2070	2300	Zinc Yellow (RAL 1018)
 RCI1-211-0234 Impact rail	2110	2340	Zinc Yellow (RAL 1018)
 RCI1-217-0240 Impact rail	2170	2400	Zinc Yellow (RAL 1018)

End covers 2 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	COLOR
 FCE3-022-I100-10 Floor barrier end - 10 pack	221			Graphite Black (RAL 9011)
 FCE3-022-I100-2 Floor barrier end - 2 pack	221			Graphite Black (RAL 9011)

Related products



IMPACT BARRIERS

Impact High with Floor Barrier

The Impact High with Floor Barrier is an innovative solution designed to offer pallet racking end-frame protection and perimeter security within your workspace. This system combines the benefits of...

[17 articles](#)



CLASSIC PEDESTRIAN BARRIERS

Pedestrian with Floor Barrier

Improve your workspace's safety and pedestrian and traffic flows with the configuration Pedestrian with Floor Barrier. Designed to efficiently segregate pedestrian walkways from vehicular routes, i...

[27 articles](#)

X-Protect components

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

BARRIERS & RAILS

Hand 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

Width:

200 mm

7 7/8"

Height:

350 -

1160 mm

13 13/16" -

45 11/16"



2 connection sides

Width:

132 mm

5 3/16"

Height:

620 -

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.



1 5250 J



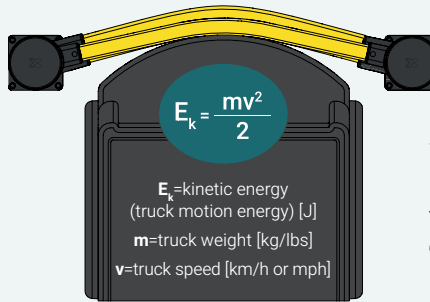
2 4500 J



3 6200 J



4 7700 J



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

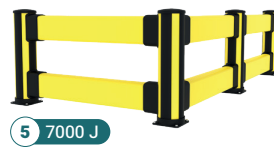
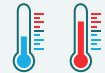
Speed	Load
6 km/h 3.7 mph	2930 J
8 km/h 5 mph	5180 J
12 km/h 7.5 mph	11670 J

Component Colours

● RAL 1018 ● RAL 9011

Operating temperature

-10°C → 40°C



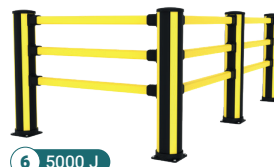
5 7000 J



10 0 J



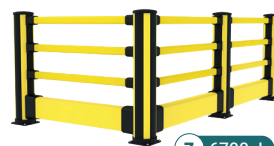
11 1800 J



6 5000 J



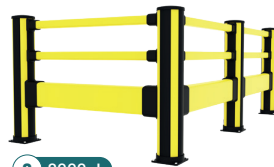
12 3000 J



7 6700 J



13 1500 J



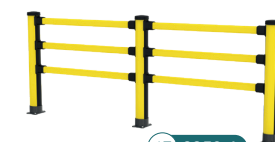
8 8000 J



14 1700 J



9 8300 J



15 2250 J



16 3100 J

1. Bollards
2. Impact
3. Impact High
4. Double Impact Low
5. Double Impact High
6. Pedestrian
7. Pedestrian + Impact
8. Pedestrian + Impact High
9. Pedestrian + Double Impact
10. Pedestrian Gate
11. Column Guard
12. Floor Barrier*
13. Essential Bollards
14. Essential Pedestrian 2 rail
15. Essential Pedestrian
16. Essential Pedestrian + Impact High

* The Floor Barrier can be used in combination with configurations: 3, 6, 8 & 9