



Est 1990

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
 RCI1-047-0070 Impact rail	470	700		Zinc Yellow
 RCI1-077-0100 Impact rail	770	1000		Zinc Yellow
 RCI1-127-0150 Impact rail	1270	1500		Zinc Yellow
 RCI1-177-0200 Impact rail	1770	2000		Zinc Yellow
 RCI1-227-0250 Impact rail	2270	2500		Zinc Yellow
 RCI1-277-0300 Impact rail	2770	3000		Zinc Yellow
 RCI1-064-0087 Impact rail	640	870		Zinc Yellow
 RCI1-067-0090 Impact rail	670	900		Zinc Yellow
 RCI1-197-0220 Impact rail	1970	2200		Zinc Yellow

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

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
 FCE3-022-I100-2 Floor barrier end - 2 pack	221			Graphite Black

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 BARRIER

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

Height:
350 -
1160 mm
13 13/16" -
45 11/16"

Width:
200 mm
7 7/8"

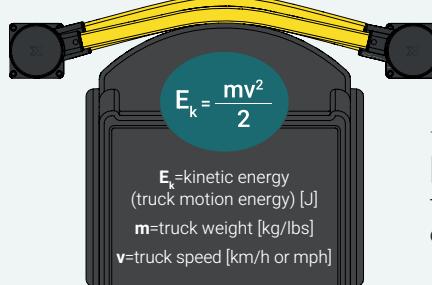


Essential

2 connection sides

Height:
620 -
1170 mm
24 7/16" -
46 1/16"

Width:
132 mm
5 3/16"



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

Yellow: RAL 1018 Black: RAL 9011

Operating temperature

-10°C → 40°C



X-Protect Standard Configurations

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

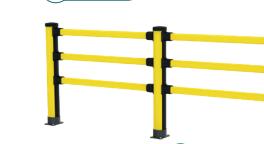
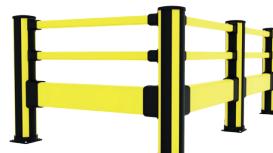
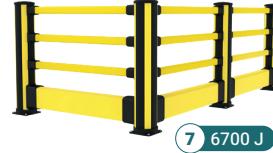
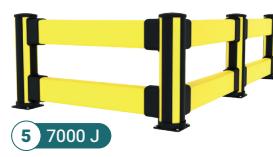
* The highest force depends on the C-C. More information is available upon request.



3 6200 J



4 7700 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