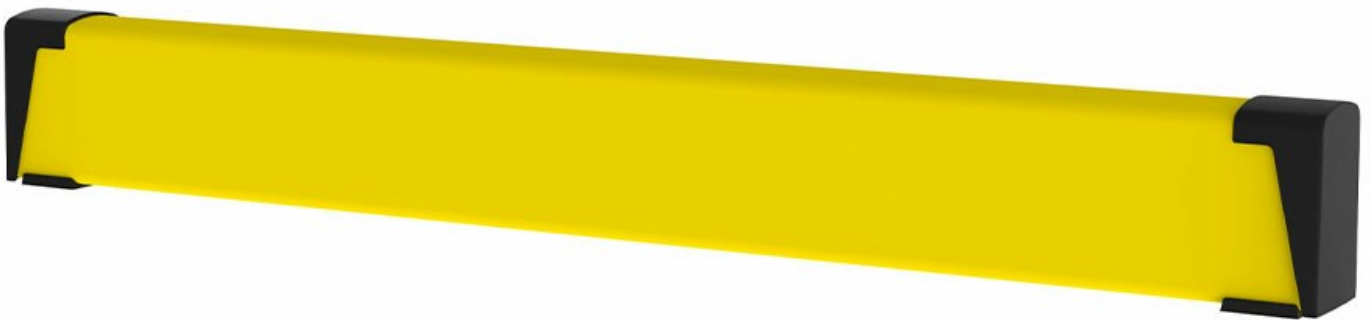


# Floor Barrier

Designed to serve as a standalone solution, it provides 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. X-Protect Floor Barrier can easily be combined with both Essential and Classic Impact and Pedestrian configurations to achieve protection from low height hazards in the system.



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<br>5.6 km/h | 5000 kg<br>4 km/h   | 200mm          | 14.9 kN          |
| 2270mm                     | 3000 J | 2500 kg<br>5.6 km/h | 5000 kg<br>4 km/h   | 240mm          | 13.8 kN          |
| 2770mm                     | 2700 J | 2500 kg<br>5.3 km/h | 5000 kg<br>3.7 km/h | 270mm          | 14.7 kN          |

# Models

## Impact rails 9 articles

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

## End covers 2 articles

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

## Related products

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### CLASSIC PEDESTRIAN

#### Pedestrian Barrier with Floor Barrier

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

[21 articles](#)



### X-PROTECT IMPACT PROTECTION

#### 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...

[14 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 – 1160 mm  
 Width: 200 mm  
 13 13/16" – 45 11/16"

**Essential**  
 2 connection sides

Height: 620 – 1170 mm  
 Width: 132 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.



### 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