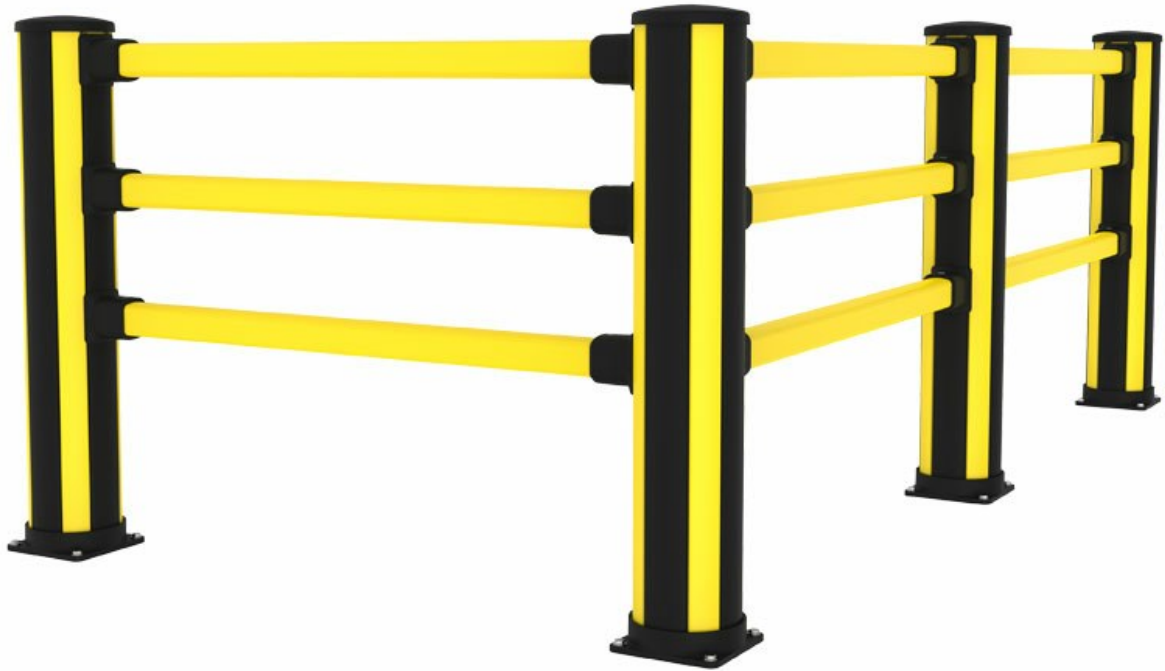


# Pedestrian Barrier

Use the X-Protect Pedestrian Barrier configuration to define pedestrian routes and protect from light duty impacts. It is also possible to combine with a pedestrian gate. The pedestrian gate is self closing, provided with a universal handle and width is adjustable from 690-1210 mm.



X-Protect is a unique approach to safety barriers. Unrivalled modularity, using only a few system components and damping that is built in to create a barrier system that changes with your work place. X-Protect allows rapid transformation, repair or replacement of existing barriers and bespoke configurations are limitless.

| Impact test results              |        |                     |                     |                |                  |
|----------------------------------|--------|---------------------|---------------------|----------------|------------------|
| Area of impact                   | Load   | Equivalent to       |                     | 90° Deflection | Force to fixings |
| Centre of barrier C - C as below |        |                     |                     |                |                  |
| 1500mm                           | 4000 J | 2500 kg<br>6.4 km/h | 5000 kg<br>4.5 km/h | 365mm          | 8 kN             |
| Posts                            |        |                     |                     |                |                  |
| End post                         | 1900 J | 2500 kg<br>4.4 km/h | 5000 kg<br>3.1 km/h | NA *           | 10 kN            |
| Mid post                         | 1900 J | 2500 kg<br>4.4 km/h | 5000 kg<br>3.1 km/h | NA *           | 8.4 kN           |

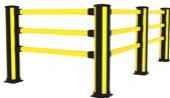
\* Deflection of posts is equivalent or less than that of the rail/s and is not considered to be critical for product selection. Performance is tested at height of the lowest rail. The post will perform better for lower strikes and deflection.

# Models

## Posts 3 articles

| ARTICLES / DESCRIPTION                                                            |                                           | HEIGHT (MM) | CC (MM) | COLOR                                               |
|-----------------------------------------------------------------------------------|-------------------------------------------|-------------|---------|-----------------------------------------------------|
|  | <b>BCC0-116-00P3</b><br>Pedestrian corner | 1160        |         | Zinc Yellow (RAL 1018)<br>Graphite Black (RAL 9011) |
|  | <b>BCM0-116-00P3</b><br>Pedestrian mid    | 1160        |         | Zinc Yellow (RAL 1018)<br>Graphite Black (RAL 9011) |
|  | <b>BCE0-116-00P3</b><br>Pedestrian end    | 1160        |         | Zinc Yellow (RAL 1018)<br>Graphite Black (RAL 9011) |

## Hand rails 5 articles

| ARTICLES / DESCRIPTION                                                              |                                                                          | HEIGHT (MM) | CC (MM) | COLOR                  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------|---------|------------------------|
|  | <b>RCP1-027-0050</b><br>Hand rail                                        |             | 500     | Zinc Yellow (RAL 1018) |
|  | <b>RCP1-047-0070</b><br>Hand rail                                        |             | 700     | Zinc Yellow (RAL 1018) |
|  | <b>RCP1-077-0100</b><br>Hand rail                                        |             | 1000    | Zinc Yellow (RAL 1018) |
|  | <b>RCP1-127-0150</b><br>Hand rail extrusion, C-C=1500mm, RAL 1018 yellow |             | 1500    | Zinc Yellow (RAL 1018) |
|  | <b>RCP1-177-0200</b><br>Hand rail extrusion                              |             | 2000    | Zinc Yellow (RAL 1018) |

## Gate 1 articles

| ARTICLES / DESCRIPTION                                                              |                      | HEIGHT (MM) | CC (MM) | COLOR |
|-------------------------------------------------------------------------------------|----------------------|-------------|---------|-------|
|  | <b>GCP8-069-0121</b> |             |         |       |

## Related products

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### CLASSIC PEDESTRIAN

#### **Pedestrian Barrier with Impact**

Use the X-Protect Pedestrian Barrier with Impact configuration to protect walkways from medium duty vehicles where there is an increased risk of ground level impacts. It is also possible to combine...

[16 articles](#)



### CLASSIC PEDESTRIAN

#### **Pedestrian Barrier with Impact High**

Use the X-Protect Pedestrian Barrier with Impact High configuration to protect walkways from medium duty vehicles where there is a reduced risk of ground level impacts. It is also possible to combi...

[16 articles](#)



### X-PROTECT PEDESTRIAN

#### **Pedestrian gate**

Universally handed, self closing and width adjustable from 690mm to 1210 mm.

[1 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" -

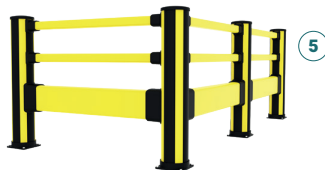
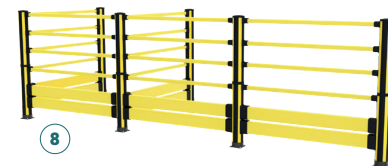
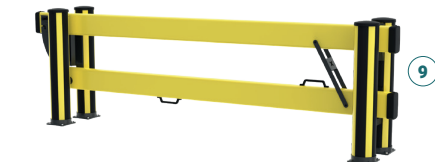
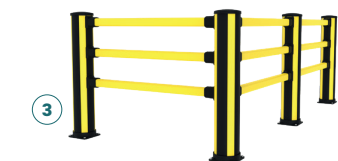
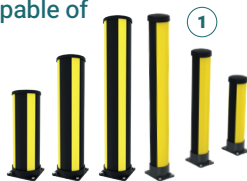
46 1/16"



## 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.



### Component Colours



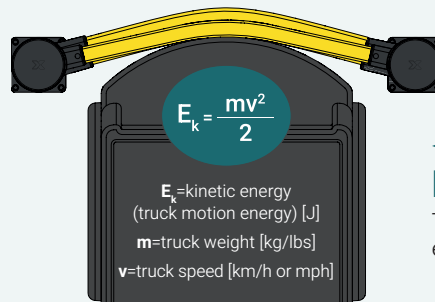
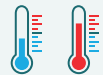
RAL 1018



RAL 9011

### Operating temperature

-10°C → 40°C



## 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 |

### 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