

Pedestrian with impact

Use the X-Protect Pedestrian + Impact barrier configuration to protect walkways from medium duty vehicles where there is an increased risk of ground level 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.

This configuration is compatible with the floor barrier.

| Impact test results | | | | | |
|----------------------------------|-------------|----------------------|---------------------|-----------------------|-------------------------|
| <i>Area of impact</i> | <i>Load</i> | <i>Equivalent to</i> | | <i>90° Deflection</i> | <i>Force to fixings</i> |
| Centre of barrier C - C as below | | | | | |
| 2000mm | 6700 J | 2500 kg 8.3 km/h | 5000 kg 5.8 km/h | 370mm | 13.5 kN |
| Posts | | | | | |
| End post | 6000 J | 2500 kg 7.8 km/h | 5000 kg 5.5 km/h | NA * | 14.7 kN |
| Mid post | 6000 J | 2500 kg 7.8 km/h | 5000 kg 5.5 km/h | NA * | 11.9 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 6 articles

| ARTICLES / DESCRIPTION | HEIGHT (MM) | LENGTH (MM) | CC (MM) | COLOR |
|--|-------------|-------------|---------|---|
|  BCM1-116-I1P3 Pedestrian + Impact mid | 1160 | | | Zinc Yellow (RAL 1018) |
|  BCM0-116-I1P3 Pedestrian + Impact mid | 1160 | | | Zinc Yellow (RAL 1018) Graphite Black (RAL 9011) |
|  BCE1-116-I1P3 Pedestrian + Impact end | 1160 | | | Zinc Yellow (RAL 1018) |
|  BCE0-116-I1P3 Pedestrian + Impact end | 1160 | | | Zinc Yellow (RAL 1018) Graphite Black (RAL 9011) |
|  BCC1-116-I1P3 Pedestrian + Impact corner | 1160 | | | Zinc Yellow (RAL 1018) |
|  BCC0-116-I1P3 Pedestrian + Impact corner | 1160 | | | Zinc Yellow (RAL 1018) Graphite Black (RAL 9011) |

Impact rails 7 articles

| ARTICLES / DESCRIPTION | HEIGHT (MM) | LENGTH (MM) | CC (MM) | COLOR |
|---|-------------|-------------|---------|------------------------|
|  RCI1-277-0300 Impact rail | | 2770 | 3000 | Zinc Yellow (RAL 1018) |
|  RCI1-227-0250 Impact rail | | 2270 | 2500 | Zinc Yellow (RAL 1018) |
|  RCI1-177-0200 Impact rail | | 1770 | 2000 | Zinc Yellow (RAL 1018) |
|  RCI1-127-0150 Impact rail | | 1270 | 1500 | Zinc Yellow (RAL 1018) |



RCI1-077-0100
Impact rail

770

1000

Zinc Yellow (RAL 1018)



RCI1-047-0070
Impact rail

470

700

Zinc Yellow (RAL 1018)



RCI1-027-0050
Impact rail

270

500

Zinc Yellow (RAL 1018)

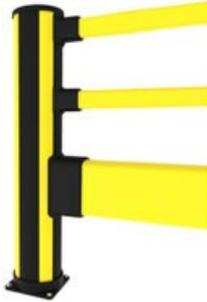
Hand rails 5 articles

| ARTICLES / DESCRIPTION | HEIGHT (MM) | LENGTH (MM) | CC (MM) | COLOR |
|---|-------------|-------------|---------|------------------------|
|  RCP1-177-0200 Hand rail | | 1770 | 2000 | Zinc Yellow (RAL 1018) |
|  RCP1-127-0150 Hand rail | | 1270 | 1500 | Zinc Yellow (RAL 1018) |
|  RCP1-077-0100 Hand rail | | 770 | 1000 | Zinc Yellow (RAL 1018) |
|  RCP1-047-0070 Hand rail | | 470 | 700 | Zinc Yellow (RAL 1018) |
|  RCP1-027-0050 Hand rail | | 270 | 500 | Zinc Yellow (RAL 1018) |

Gate 1 articles

| ARTICLES / DESCRIPTION | HEIGHT (MM) | LENGTH (MM) | CC (MM) | COLOR |
|--|-------------|-------------|---------|---------------------------|
|  GCP8-069-0121 Pedestrian gate 690-1210mm | | | | Graphite Black (RAL 9011) |

Related products



CLASSIC PEDESTRIAN

Pedestrian with impact high

Use the X-Protect Pedestrian + Impact high barrier configuration to protect walkways from medium duty vehicles where there is a reduced risk of ground level impacts. It is also possible to combine...

19 articles



X-PROTECT PEDESTRIAN

Pedestrian gate

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

1 articles

IMPACT PROTECTION

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...

11 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"



Essential

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



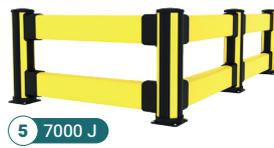
2 4500 J



3 6200 J



4 7700 J



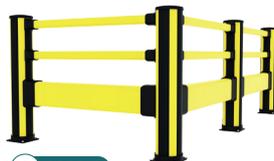
5 7000 J



6 5000 J



7 6700 J



8 8000 J



9 8300 J



10 0 J



11 1800 J



12 3000 J



13 1500 J



14 1700 J



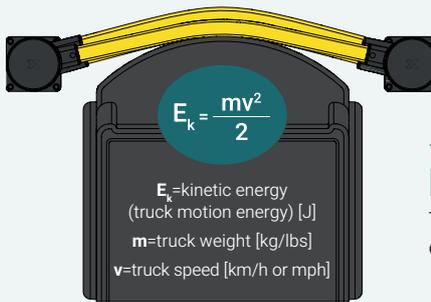
15 2250 J



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



Impact testing

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



| 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

