

# Pedestrian

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.

<b>Impact test results</b>					
<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					
1500mm	4000 J	2500 kg 6.4 km/h	5000 kg 4.5 km/h	360mm	14.3 kN
2000mm	5000 J	2500 kg 7.2 km/h	5000 kg 5 km/h	490mm	18.7 kN
Posts					
End post	1900 J	2500 kg 4.4 km/h	5000 kg 3.1 km/h	NA *	10 kN
Mid post	1900 J	2500 kg 4.4 km/h	5000 kg 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

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### Posts 6 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	CC (MM)	COLOR
 <b>BCC1-116-00P3</b> Pedestrian corner	1160		Zinc Yellow (RAL 1018)
 <b>BCC0-116-00P3</b> Pedestrian corner	1160		Zinc Yellow (RAL 1018) Graphite Black (RAL 9011)
 <b>BCM1-116-00P3</b> Pedestrian mid	1160		Zinc Yellow (RAL 1018)
 <b>BCM0-116-00P3</b> Pedestrian mid	1160		Zinc Yellow (RAL 1018) Graphite Black (RAL 9011)
 <b>BCE1-116-00P3</b> Pedestrian end	1160		Zinc Yellow (RAL 1018)
 <b>BCE0-116-00P3</b> Pedestrian end	1160		Zinc Yellow (RAL 1018) Graphite Black (RAL 9011)

### Hand rails 5 articles

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



**RCP1-027-0050**  
Hand rail

500

Zinc Yellow (RAL 1018)

## Gate 1 articles

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

## Related products



### X-PROTECT PEDESTRIAN

#### Pedestrian gate

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

1 articles



### CLASSIC PEDESTRIAN

#### 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 wi...

19 articles



### 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 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"

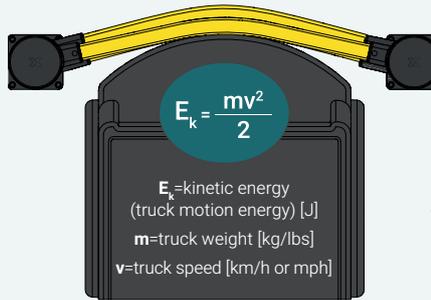
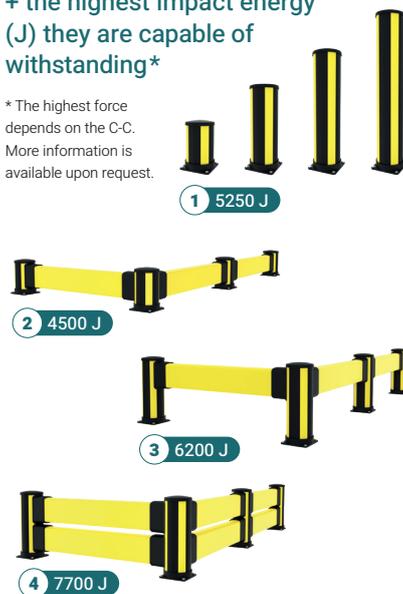


Height:  
 620 -  
 1170 mm  
 24 7/16" -  
 46 1/16"

### 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.



### 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

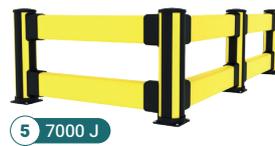
Speed	Load
6 km/h   3.7 mph	2930 J
8 km/h   5 mph	5180 J
12 km/h   7.5 mph	11670 J

#### Component Colours

● RAL 1018 ● RAL 9011

#### Operating temperature

-10°C → 40°C



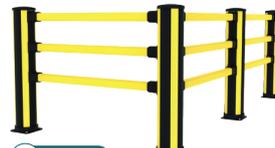
5 7000 J



10 0 J



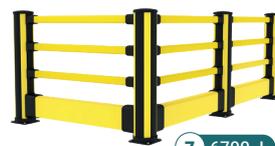
11 1800 J



6 5000 J



12 3000 J



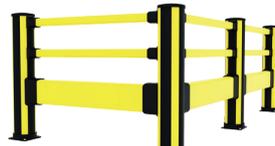
7 6700 J



13 1500 J



14 1700 J



8 8000 J



15 2250 J



9 8300 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