

# Pedestrian with Double Impact

Protect walkways and infrastructure with Pedestrian with Double Impact from medium duty, high level impacts where there is a reduced risk of ground level impacts. The built-in damping and modular components enable quick reconfiguration, ensuring optimal safety for changing environments.



## When should you use the Pedestrian with Double Impact configuration?

The Pedestrian with Double Impact configuration protects walkways and infrastructure from medium-duty, high-level impacts where ground-level risk is lower. It can be easily integrated with a self-closing pedestrian gate, equipped with a universal handle and adjustable width (690–1210 mm).

This impact protection system offers a unique approach to safety barriers. It offers modularity, relying on few system components and incorporating built-in damping to create a barrier solution that adapts to your workplace. The system supports rapid transformation, repair, or replacement of existing barriers, and bespoke configurations have no limits.

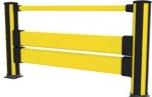
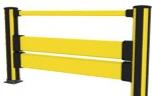
<b>Impact test results</b>					
Area of impact	Load	Equivalent to	90° deflection	Force to fixings	
Centre of barrier C - C as below					
2000mm	8300 J	2500 kg 9.3 km/h	5000 kg 6.4 km/h	380mm	11.2 kN
Posts					
End post	2400 J	2500 kg 5 km/h	5000 kg 3.5 km/h	NA *	9.3 kN
Mid post	2550 J	2500 kg 5.1 km/h	5000 kg 3.7 km/h	NA *	12.7 kN

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

## Models

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### Posts 6 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	COLOR
 BCE0-116-I2P1 End post	1160			Zinc Yellow (RAL 1018) Graphite Black (RAL 9011)
 BCE1-116-I2P1 End post	1160			Zinc Yellow (RAL 1018)
 BCM0-116-I2P1 Mid post	1160			Zinc Yellow (RAL 1018) Graphite Black (RAL 9011)
 BCM1-116-I2P1 Mid post	1160			Zinc Yellow (RAL 1018)
 BCC0-116-I2P1 Corner post	1160			Zinc Yellow (RAL 1018) Graphite Black (RAL 9011)
 BCC1-116-I2P1 Corner post	1160			Zinc Yellow (RAL 1018)

## Impact rails 5 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	COLOR
 RCI1-027-0050	270	500		Zinc Yellow (RAL 1018)
 RCI1-047-0070	470	700		Zinc Yellow (RAL 1018)
 RCI1-077-0100	770	1000		Zinc Yellow (RAL 1018)
 RCI1-127-0150	1270	1500		Zinc Yellow (RAL 1018)
 RCI1-177-0200	1770	2000		Zinc Yellow (RAL 1018)

## Hand rails 5 articles

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

## Gate 1 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	COLOR
 GCP3-069-0121 Pedestrian gate 690-1210mm				Graphite Black (RAL 9011)

# Related products

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## PEDESTRIAN BARRIERS

### Pedestrian gate

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

[1 articles](#)

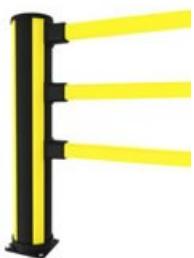


## CLASSIC PEDESTRIAN BARRIERS

### 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](#)



## CLASSIC PEDESTRIAN BARRIERS

### 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 sel...

[12 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"

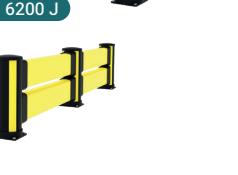
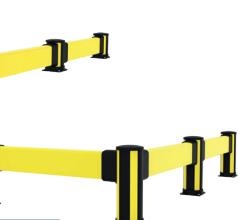
Height:  
620 -  
1170 mm  
24 7/16" -  
46 1/16"



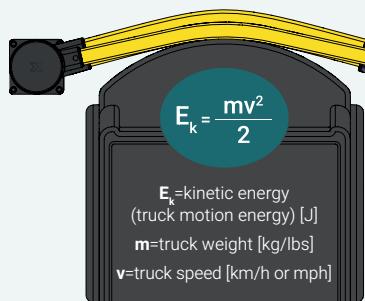
## X-Protect Standard Configurations

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

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



4 7700 J



## 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

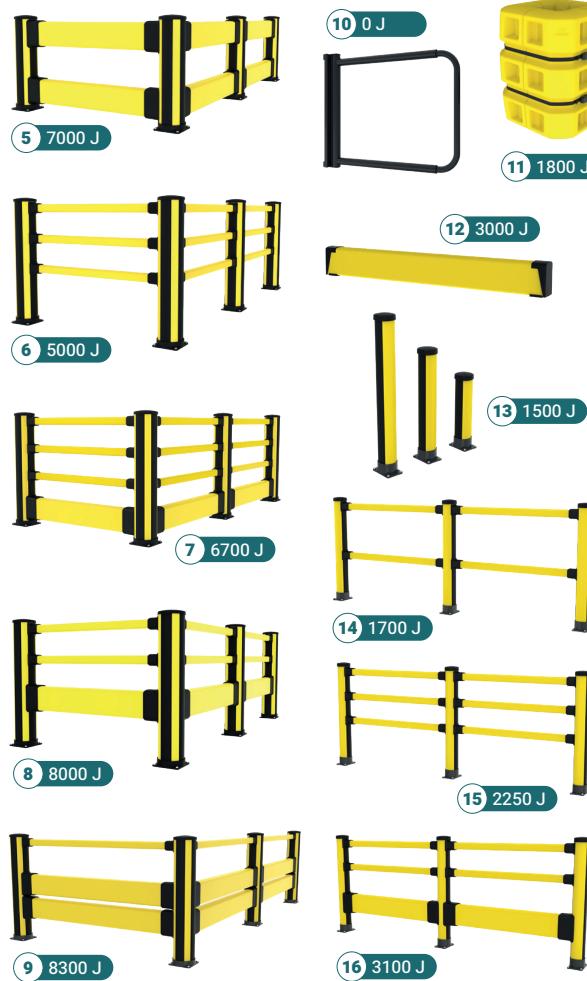
Yellow RAL 1018 Black RAL 9011

### Operating temperature

-10°C → 40°C



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