

Essential Pedestrian with Three Rails

The X-Protect Essential Pedestrian Barrier with Three Rails provides added impact resistance and visibility for safe, well-defined walkways. Ideal for light-duty zones, it enhances separation between people and vehicles while keeping layouts open and efficient.



The Essential Pedestrian Barrier with Three Rails provides an enhanced level of protection for areas where additional height and visibility are required. Designed for light-duty impact zones, it creates safe, well-defined walkways while maintaining an open and efficient layout.

To further improve site safety, the Floor Barrier can be integrated into this configuration. It acts as a solid base element that reinforces the lower section of the system, offering additional protection against ground-level risks such as vehicle forks, pallets and debris. This combination provides a continuous barrier line that enhances both visibility and impact resistance while maintaining smooth traffic flow between zones.

Installation is quick and efficient, with minimal fixings required and no unnecessary stress on the floor surface.

Key features

- Fast to install

- Kind to the floor
- Easy to repair

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					
1500mm	2000 J	2500kg 4.6 km/h	1500kg 5.9 km/h	334mm	4.2kN
2000mm	2250 J	2500kg 4.8 km/h	1500kg 5.9 km/h	414mm	5.1kN
Posts					
End post	1300 J	2500kg 3.7 km/h	1500kg 4.7 km/h	550mm	6.1kN
Mid post	1300 J	2500kg 3.7 km/h	1500kg 4.7 km/h	525mm	5.6kN

Models

Posts 3 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	OTHER
 BCC0-116-00P3 Corner post	1160		2000	Compatible with the Floor Barrier
 BEE0-117-00P3 End post	1170		2000	Compatible with the Floor Barrier
 BEM0-117-00P3 Mid post	1170		2000	Compatible with the Floor Barrier

Hand rails 5 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	OTHER
 RCP1-027-0050 Hand rail			270	500
 RCP1-047-0070 Hand rail			470	700
 RCP1-077-0100 Hand rail			770	1000

	RCP1-127-0150 Hand rail extrusion, C-C=1500mm, RAL 1018 yellow	1250	1500
	RCP1-177-0200 Hand rail extrusion	1770	2000

Related products

X-PROTECT

Standalone Floor Barrier



Designed to serve as a standalone solution, it improves the safeguarding of building perimeters and vital infrastructure from the everyday risks of vehicle forks, pallets in transit, AMRs and AGVs,...

[17 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"

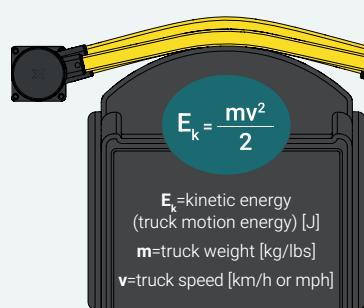
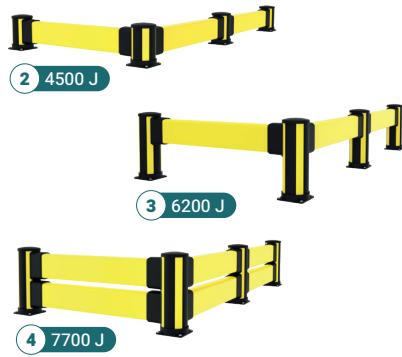
Height:
620 -
1170 mm
24 7/16" -
46 1/16"



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.



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

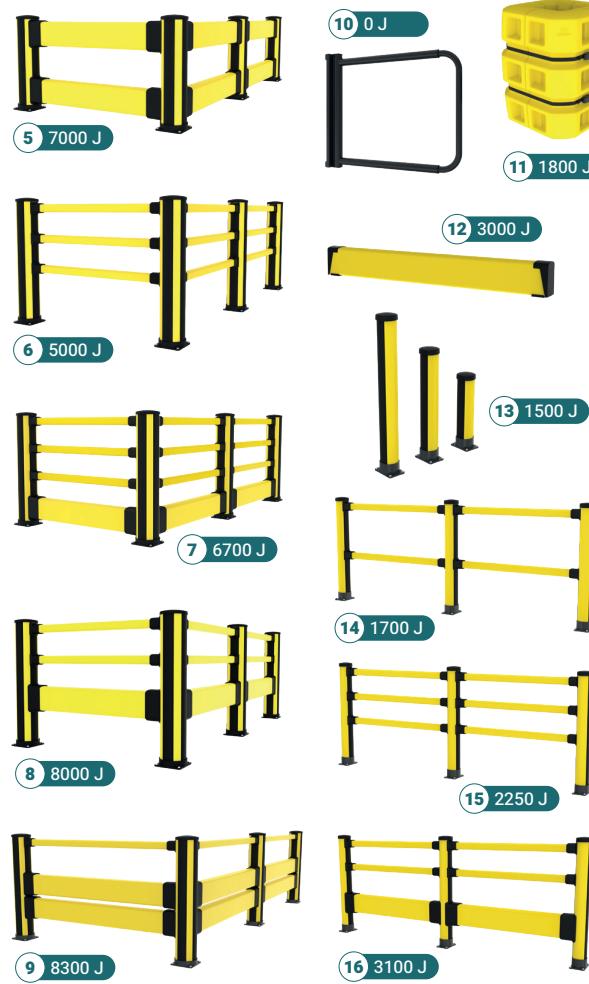
Yellow: RAL 1018 Black: RAL 9011

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