

Essential Pedestrian with Two Rails

The X-Protect Essential Pedestrian Barrier with Two Rails safely separates pedestrians from vehicles in light-duty areas. It maintains an open layout, creating clear routes and efficient flow while reducing the risk of collisions.



The Essential Pedestrian Barrier with Two Rails offers reliable separation between pedestrians and moving equipment while maintaining an open and accessible layout. Ideal for areas with lower impact risks, the system helps define safe pedestrian routes and supports efficient traffic flow across the facility.

Improve workplace safety by adding the Floor Barrier to your configuration. Designed to create a clear physical boundary between pedestrian walkways and vehicle routes, it offers effective low-level protection in areas with forklift trucks, AMRs and AGVs. By limiting ground-level contact points, it helps reduce damage from forks and pallets while improving overall traffic organisation.

Installation is straightforward, with a low fixing count that speeds up assembly and minimises disruption to floor surfaces.

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					
2000mm	1700 J	2500 kg 4.2 km/h	1500 kg 5.4 km/h	385mm	5.1kN
Posts					
End post	1300 J	2500 kg 4-6 km/h	1500 kg 4.7 km/h	550mm	4.9kN
Mid post	1300 J	2500 kg 4-6 km/h	1500 kg 4.7 km/h	525mm	4.7kN

Models

Posts 3 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	OTHER
 BCC0-116-00P2 Corner post	1160		2000	Compatible with the Floor Barrier
 BEE0-117-00P2 End post	1170		2000	Compatible with the Floor Barrier
 BEM0-117-00P2 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			1270	1500

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

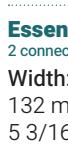


Classic

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"

Component Colours

Yellow: RAL 1018 Black: RAL 9011

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

Operating temperature

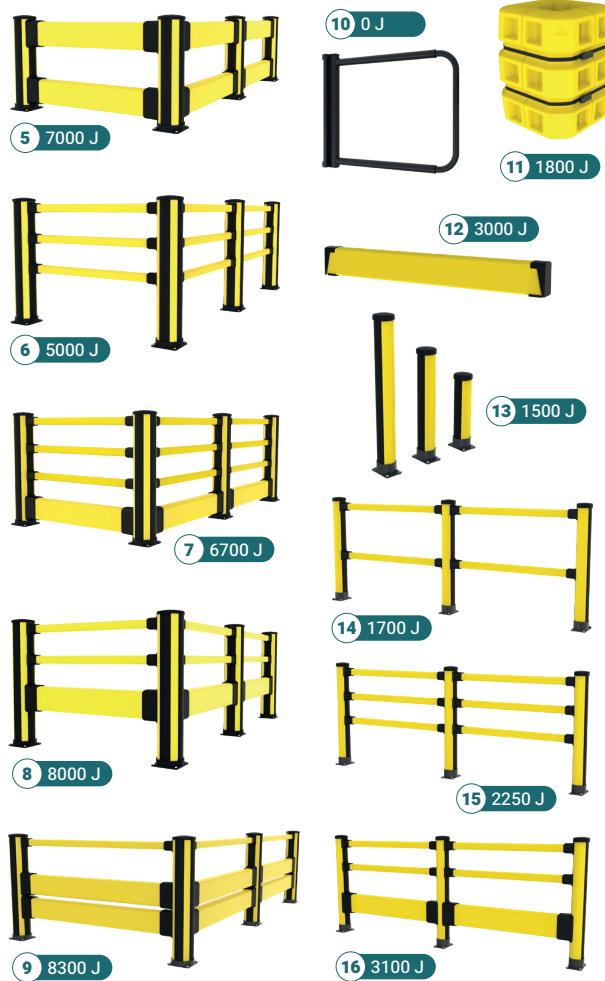
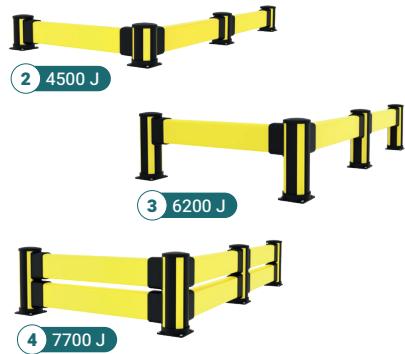
-10°C → 40°C



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. 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