# 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 guick 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					
Area of impact	Load	Equivalent to		90° Deflection	Force to fixings
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
ŀ	BEE0-117-00P3 End post	1170		2000	Compatible with the Floor Barrier
1	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	

Ħ	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

# **Impact Protection**



## X-Protect is Safe

- ✓ Our impact protection products undergo rigorous testing at our state-of-the-art testing facility.
- ✓ With decades of experience in industrial safety, we've designed our impact protection to perform effectively in real-world conditions.
- ✓ We know safety and can guide you to the best solutions tailored to your specific needs.

## X-Protect is **Modular**

- ✓ Quickly modify barrier specifications with minimal waste.
- Perform easy and cost-effective repairs at a component level.
- Quickly build strong integrated installations with few parts.

## X-Protect is Sustainable

- Simple end of life dis-assembly, even after an accident.
- ✓ Single material components that are easy to recycle.
- Repairable by design, damaged or worn components are easily replaced extending the barrier's life.



# **Technical Information**



#### X-Protect components

These are the building blocks of our modular Impact Protection range.

#### **BARRIERS & RAILS**

#### **Hand Rails**



Width x Height:

68 × 72 mm | 2 11/16" × 2 27/32" Length:

270 - 1770 mm | 10 5/8" - 69 11/16"

#### **Impact Barriers**



Width x Height:

116 × 220 mm | 4 9/16" x 8 21/32" Lenath:

270 - 2770 mm | 10 5/8" - 109 1/16"

#### **POSTS & BOLLARDS**



Height: 350 - 1160 mm 13 13/16" -45 11/16" Width: 200 mm 7 7/8" in

## **Component Colours**

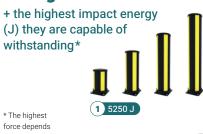


**RAL 1018** 

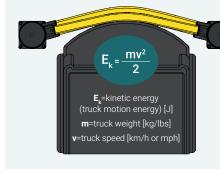


**RAL 9011** 

## **X-Protect Standard Configurations**



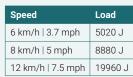
on the C-C. More information is available upon request.



## Impact testing

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





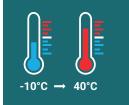


Speed	Load
6 km/h   3.7 mph	3770 J
8 km/h   5 mph	6660 J
12 km/h   7.5 mph	14970 J

Loaded weight 2100 kg/ 4620 lbs

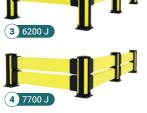
Speed	Load	
6 km/h   3.7 mph	2930 J	
8 km/h   5 mph	5180 J	
12 km/h   7.5 mph	11670 J	



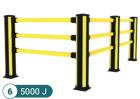






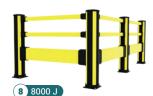


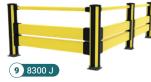




5 7000 J











The Floor Barrier can be used in combination with configurations: 3, 6, 8 & 9

- 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