# 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 result	s					
Area of impact	Load	Equivalent to		90° Deflection	Force to fixings	
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
II.	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 / DESCRI	PTION	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	
H	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

# **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**

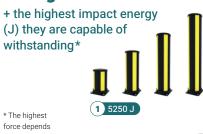


**RAL 1018** 

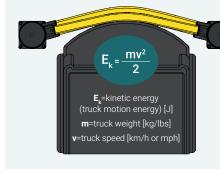


**RAL 9011** 

### **X-Protect Standard Configurations**



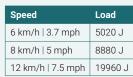
on the C-C. More information is available upon request.



## Impact testing

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





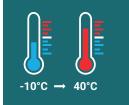


Speed	Load
6 km/h   3.7 mph	3770 J
8 km/h   5 mph	6660 J
12 km/h   7.5 mph	14970 J

Loaded weight 2100 kg/ 4620 lbs

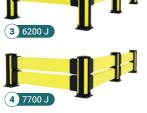
Speed	Load
6 km/h   3.7 mph	2930 J
8 km/h   5 mph	5180 J
12 km/h   7.5 mph	11670 J



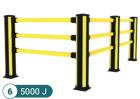






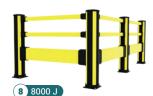


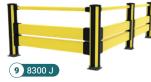




5 7000 J











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