

# Essential Pedestrian with Impact

The X-Protect Essential Pedestrian with Impact Barrier combines pedestrian and vehicle protection in medium-duty areas. It absorbs impact energy at floor level, minimising damage and maintaining safety where people and vehicles interact.



The Essential Pedestrian with Impact Barrier is designed to safeguard walkways where pedestrians and medium-duty vehicles operate in close proximity. Engineered for combined protection, it effectively separates people from vehicles while absorbing impact energy at floor level, helping to reduce damage and enhance overall site safety.

This configuration is ideal for facilities where moderate vehicle activity occurs, such as areas with pallet trucks, tuggers or light forklifts. The impact-resistant lower section protects against low-level collisions while maintaining a clear and unobstructed view of pedestrian routes.

Installation is straightforward, with a low fixing count that makes assembly quick and minimises floor damage during setup or repairs.

## 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					
2000mm	3100 J	2500kg 5.7 km/h	1500kg 7.3 km/h	295mm	5.7kN
Posts					
End post	1500 J	2500kg 3.9 km/h	1500kg 5 km/h	500mm	3.2kN
Mid post	1500 J	2500kg 3.9 km/h	1500kg 5 km/h	450mm	3.3kN

## Models

### Posts 3 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	OTHER
 <b>BCC0-116-I1P2-E1</b> Corner post	1160		2000	
 <b>BEE0-117-I1P2</b> End post	1170		2000	
 <b>BEM0-117-I1P2</b> Mid post	1170		2000	

### Impact rails 7 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	OTHER
 <b>RCI1-027-0050</b> Impact rail		270	500	
 <b>RCI1-047-0070</b> Impact rail		470	700	
 <b>RCI1-077-0100</b> Impact rail		770	1000	
 <b>RCI1-127-0150</b> Impact rail		1270	1500	

	<b>RCI1-177-0200</b> Impact rail	1700	2000
	<b>RCI1-227-0250</b> Impact rail	2270	2500
	<b>RCI1-277-0300</b> Impact rail	2770	3000

## Hand rails 5 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	OTHER
	<b>RCP1-027-0050</b> Hand rail	270	500	
	<b>RCP1-047-0070</b> Hand rail	470	700	
	<b>RCP1-077-0100</b> Hand rail	770	1000	
	<b>RCP1-127-0150</b> Hand rail	1250	1500	
	<b>RCP1-177-0200</b> Hand rail	1770	2000	