

Essential Pedestrian with Impact High

The X-Protect Essential Pedestrian with Impact High Barrier offers reinforced protection in busy traffic zones. Designed to handle low-level impacts, it separates pedestrians from vehicles while maintaining strong, flexible barrier performance.



The Essential Pedestrian with Impact High Barrier provides reinforced safety for walkways exposed to medium-duty vehicles and frequent ground-level impacts. Designed for combined strength and flexibility, it separates pedestrians from vehicles while absorbing impact energy at the base to minimise damage and maintain barrier integrity.

For areas with intensive material handling, the Floor Barrier adds an extra layer of protection. Positioned at ground level, it ensures a clear division between pedestrian and vehicle routes, preventing contact with vehicle forks, low pallets or stray objects. Acting as a robust foundation, it complements the higher structure by distributing impact forces efficiently and maintaining safe, predictable traffic patterns throughout the facility.

Installation is fast and straightforward, with minimal fixings and a design that protects the floor surface during both setup and maintenance.

Key feature

- Fast to install
- Kind to the floor
- Easy to repair

Impact test results					
Area of impact	Load	Equivalent to		90° Defelction	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

Modelle

Posts 3 artikel

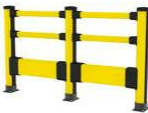
ARTIKEL / BESCHREIBUNG		HÖHE (MM)	LÄNGE (MM)	CC (MM)	ANDERE
	BCC0-116-I1P2-E2 Corner post	1160		2000	
	BEE0-117-I1P2-A1 End post	1170		2000	Compatible with the Floor Barrier
	BEM0-117-I1P2-A1 Mid post	1170		2000	Compatible with the Floor Barrier

Impact rails 7 artikel

ARTIKEL / BESCHREIBUNG		HÖHE (MM)	LÄNGE (MM)	CC (MM)	ANDERE
	RCI1-027-0050 Impact rail		270	500	
	RCI1-047-0070 Impact rail		470	700	
	RCI1-077-0100 Impact rail		770	1000	

	RCI1-127-0150 Impact rail	1270	1500
	RCI1-177-0200 Impact rail	1770	2000
	RCI1-227-0250 Impact rail	2270	2500
	RCI1-277-0300 Impact rail	2770	3000

Hand rails 5 artikel

ARTIKEL / BESCHREIBUNG	HÖHE (MM)	LÄNGE (MM)	CC (MM)	ANDERE
	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	1270	1500	
	RCP1-177-0200 Hand rail	1770	2000	

Verwandte Produkte

X-PROTECT

Rammschutz-Bodenbarriere



Sie ist als Einzellösung konzipiert und verbessert den Schutz von Gebäudegrenzen und lebenswichtiger Infrastruktur vor den alltäglichen Risiken von Fahrzeuggabeln, Transportpaletten, AMRs und AGVs...

17 artikel

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" -

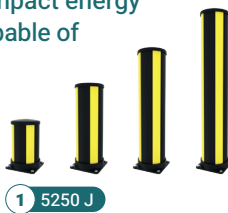
46 1/16"



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.



1 5250 J



2 4500 J



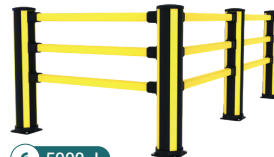
3 6200 J



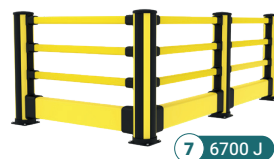
4 7700 J



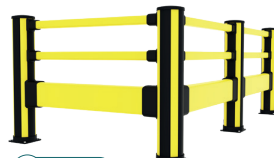
5 7000 J



6 5000 J



7 6700 J



8 8000 J



9 8300 J



10 0 J



11 1800 J



12 3000 J



13 1500 J



14 1700 J



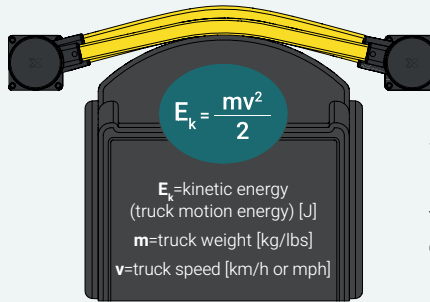
15 2250 J



16 3100 J

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



Impact testing

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



Loaded weight
3600 kg / 7930 lbs

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



Loaded weight
2700 kg / 5940 lbs

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

Component Colours

● RAL 1018 ● RAL 9011

Operating temperature

-10°C → 40°C

