# 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

# モデル

## Posts 3品目

品目/本製品について		高さ(MM)	長さ(MM)	CC (MM)	その他
ļ	BEE0-117-I1P2-A1 End post	1170		2000	Compatible with the Floor Barrier
<b>}</b>	BEM0-117-I1P2-A1 Mid post	1170		2000	Compatible with the Floor Barrier
-	BCC0-116-I1P2-E2 Corner post	1160		2000	

## Impact rails 7品目

品目/本製品について	高さ(MM)	長さ(MM)	CC (MM)	その他
RCI1-277-0300 Impact rail		2770	3000	
RCI1-227-0250 Impact rail		2270	2500	
RCI1-177-0200 Impact rail		1770	2000	

RCI1-127-0150 Impact rail	1270	1500
RCI1-077-0100 Impact rail	770	1000
RCI1-047-0070 Impact rail	470	700
RCI1-027-0050 Impact rail	270	500

#### Hand rails 5品目

品目/本製品につい	τ	高さ(MM)	長さ(MM)	CC (MM)	その他
	RCP1-177-0200 Hand rail		1770	2000	
	RCP1-127-0150 Hand rail		1270	1500	
	RCP1-077-0100 Hand rail		770	1000	
	<b>RCP1-047-0070</b> Hand rail		470	700	
	<b>RCP1-027-0050</b> Hand rail		270	500	

## 関連製品

#### X-PROTECT

フロアバリア



プロアバリアは、フォークリフト、移動中のパレット、AMR、AGVなど低い位置で発生する危険から、 建物の壁周りや重要な設備を守ります。歩行者バリアやフォークガードなど他の衝撃保護システム X-Protectと組み合わせることも可能です。

17 品目

# **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**

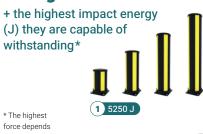


**RAL 1018** 

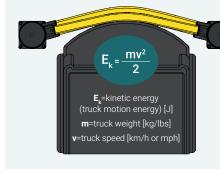


**RAL 9011** 

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



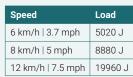
on the C-C. More information is available upon request.



## Impact testing

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





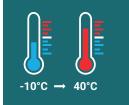


Speed	Load
6 km/h   3.7 mph	3770 J
8 km/h   5 mph	6660 J
12 km/h   7.5 mph	14970 J

Loaded weight 2100 kg/ 4620 lbs

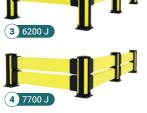
Speed	Load
6 km/h   3.7 mph	2930 J
8 km/h   5 mph	5180 J
12 km/h   7.5 mph	11670 J



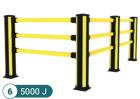






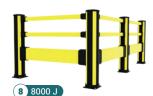


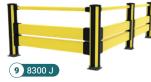




5 7000 J











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