# 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 results | | | | | |
|---|---|---|---|---|---|
| *Area of impact* | *Load* | *Equivalent to* | | *90° Deflection* | *Force to fixings* |
| Centre of barrier C-C as below | | | | | |
| 2000mm | 1700 J | 2500 kg<br>4.2 km/h | 1500 kg<br>5.4 km/h | 385mm | 5.1kN |
| Posts | | | | | |
| End post | 1300 J | 2500 kg<br>4-6 km/h | 1500 kg<br>4.7 km/h | 550mm | 4.9kN |
| Mid post | 1300 J | 2500 kg<br>4-6 km/h | 1500 kg<br>4.7 km/h | 525mm | 4.7kN |

# Modèles

## Posts 3 articles

| ARTICLES / DESCRIPTION | HAUTEUR (MM) | LONGUEUR (MM) | CC (MM) | AUTRE |
|---|---|---|---|---|
| **BCC0-116-00P2**<br>Corner post | 1160 | | 2000 | Compatible with the Floor Barrier |
| **BEE0-117-00P2**<br>End post | 1170 | | 2000 | Compatible with the Floor Barrier |
| **BEM0-117-00P2**<br>Mid post | 1170 | | 2000 | Compatible with the Floor Barrier |

## Hand rails 5 articles

| ARTICLES / DESCRIPTION | HAUTEUR (MM) | LONGUEUR (MM) | CC (MM) | AUTRE |
|---|---|---|---|---|
| **RCP1-027-0050**<br>Hand rail | | 270 | 500 | |
| **RCP1-047-0070**<br>Hand rail | | 470 | 700 | |
| **RCP1-077-0100**<br>Hand rail | | 770 | 1000 | |
| **RCP1-127-0150**<br>Hand rail extrusion, C-C=1500mm, RAL 1018 yellow | | 1270 | 1500 | |

| | | | |
|---|---|---|---|
| | **RCP1-177-0200**<br>Hand rail extrusion | 1170 | 2000 |

# Produits associés

PROTECTION ANTICHOCS

**Barrière de sol**

Conçue pour servir de solution autonome, elle assure la protection du périmètre des bâtiments et des infrastructures vitales contre les risques quotidiens liés aux fourches de véhicules, aux palett...

*11 articles*

X-PROTECT
# Technical Information

## X-Protect components

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

### BARRIERS & RAILS

**Pedestrian 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"
Length:
270 - 2770 mm | 10 5/8" - 109 1/16"

### POSTS & BOLLARDS

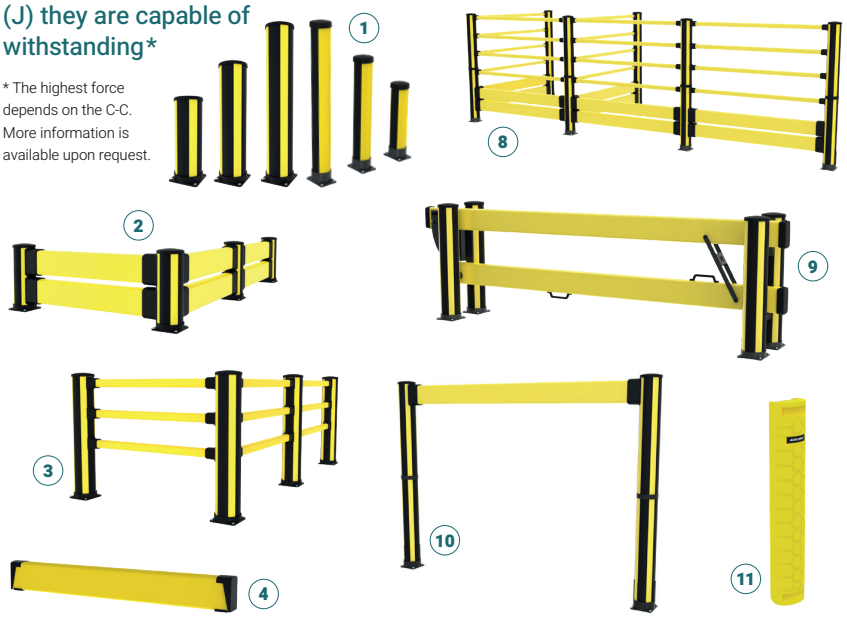
**Classic**
4 connection sides
Width:
200 mm
7 7/8"
Height:
350 – 1160 mm
13 13/16" – 45 11/16"

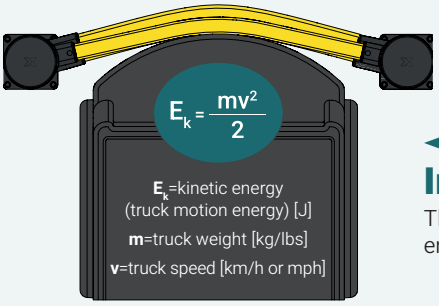
**Essential**
2 connection sides
Width:
132 mm
5 3/16"
Height:
620 – 1170 mm
24 7/16" – 46 1/16"

## 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.



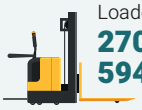




## Impact testing

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

1. **Bollards**
   - Classic | 5220 J
   - Essential | 1500 J
2. **Impact Barriers**
   - Impact | 4500 J
   - Impact High | 6200 J
   - Double Impact Low | 7700 J
   - Double Impact High | 7000 J
3. **Pedestrian Rails**
   - Pedestrian | 5000 J
   - Essential Pedestrian | 2250 J
   - Essential Pedestrian 2 rail | 1700 J
   - Essential Pedestrian | 2250 J
4. **Floor Barrier** | 2250 J
   - Can be used both with Impact & Pedestrian configurations or as stand-alone protection.
5. **Pedestrian Rails + Impact Barriers**
   - Pedestrian + Impact | 6700 J
   - Pedestrian + Impact High | 8000 J
   - Pedestrian + Double Impact | 8300 J
   - Essential Pedestrian + Impact High | 3100 J
6. **Pedestrian Gate** | 0 J
7. **Column Guard** | 1800 J
8. **Topple Barriers**
   - Pedestrian | 5250 J
   - Impact | 6200 J
9. **Dock Gate** | 10200 J
10. **Height Restrictors**
    - Goal Post | 4200 J
    - Height Guard
11. **Upright Protector**