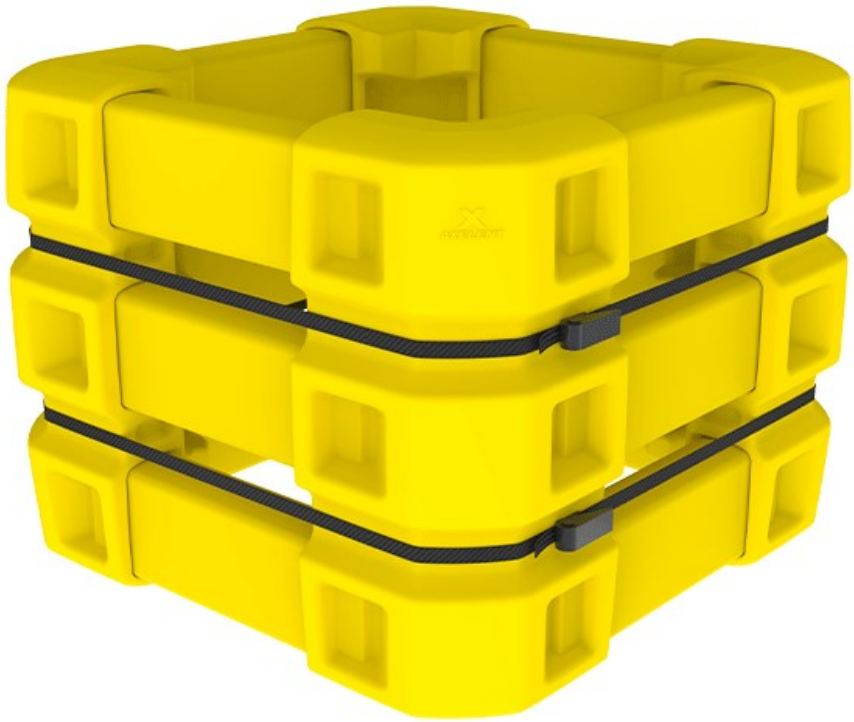
# Multifunction Column Guard

The Multifunction Column Guard is designed to protect large building columns and pillars from impacts caused by forklifts and other material handling equipment. With asymmetrical on-site adjustment from 250-700mm, it can be tailored to fit various sizes.



## Flexible protection for columns and pillars

The modular design allows for quick installation and easy repairs while ensuring a tight fit to save space. These guards are built to stop vehicles like forklifts, protect columns, and withstand heavy use.

### Impact test result

| Test object | Load with truck rear | Load with truck fork |
|---|---|---|
| CCP1-025-0030 | 1800 J | 1500 J |

*1800 J is equivalent to 2500 kg 4,3 km/h or 1500 kg 5,6 km/h

**Key Features:**

- **Asymmetrical Adjustment:** Accommodates widths from 250mm to 700mm, offering flexibility for various column sizes.
- **Customizable Dimensions:** Easily tailored by cutting the rails that form its sides, providing a precise fit for any environment.
- **Impact Resistance:** Effectively stops vehicles, such as forklifts, eliminating or minimizing damage.

- **Floor Protection:** Shields flooring around columns to maintain structural integrity.
- **Ease of Installation and Repair**: Designed for quick setup and effortless repairs when needed.
- **End-of-Life Sustainability:** Simplified disassembly and material separation for eco-friendly disposal.

# Models

| ARTICLES / DESCRIPTION | | MIN WIDTH (MM) | MAX WIDTH (MM) | HEIGHT (MM) | COLOR |
|---|---|---|---|---|---|
| | **CCP1-025** | 250 | 731 | 910 | Zinc Yellow (RAL 1018) |
| | **CCP1-025-0030** | 250 | 778 | 910 | Zinc Yellow (RAL 1018) |
| | **CCP1-025-0070** | 300 | 1178 | 910 | Zinc Yellow (RAL 1018) |

# Related products

COLUMN GUARDS

### Large Column Guard

Axelent offer a larger column guard for the most flexible protection for larger columns. This guard is suitable for 400mm square columns as standard. There are also infills available to extend the...

*3 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

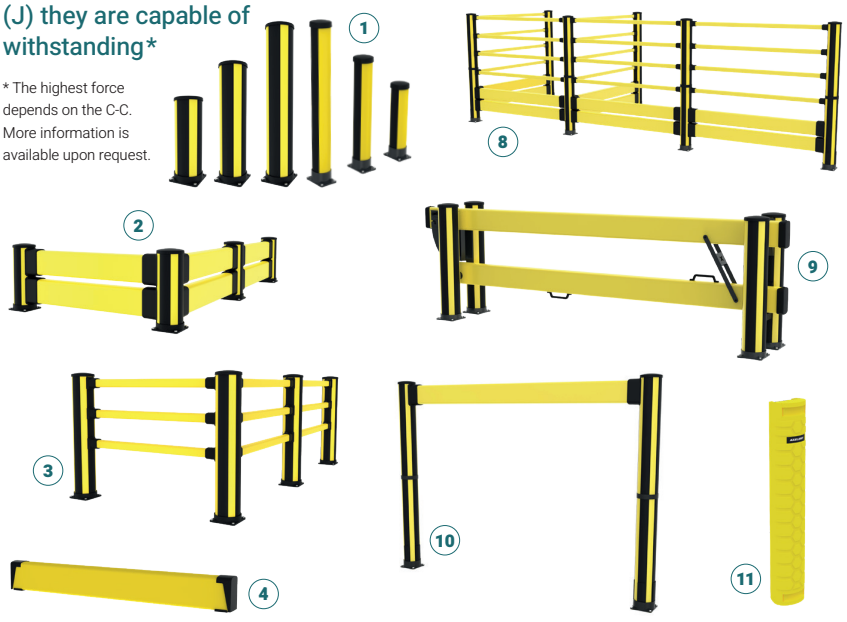
**Classic**
4 connection sides
Width:
200 mm
7 7/8"
Height:
350 – 1160 mm
13 13/16" – 45 11/16"

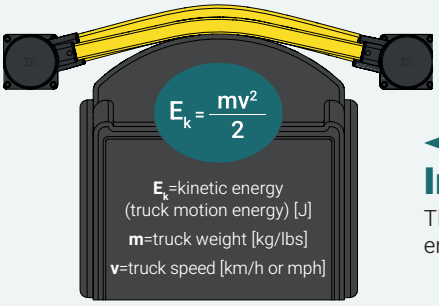
**Essential**
2 connection sides
Width:
132 mm
5 3/16"
Height:
620 – 1170 mm
24 7/16" – 46 1/16"

## 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.



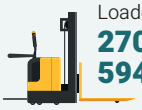




## Impact testing

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**