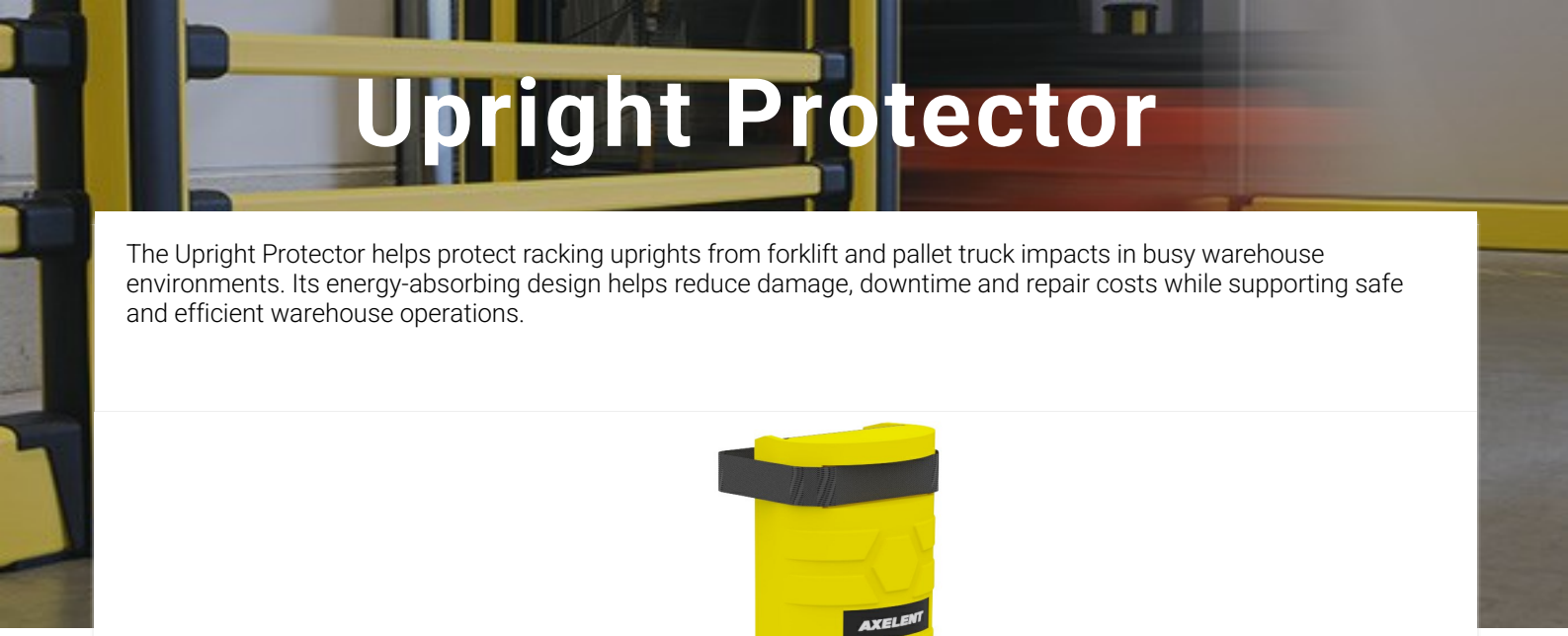


# Upright Protector

The Upright Protector helps protect racking uprights from forklift and pallet truck impacts in busy warehouse environments. Its energy-absorbing design helps reduce damage, downtime and repair costs while supporting safe and efficient warehouse operations.




The Upright Protector is designed to help protect warehouse racking uprights from impacts caused by forklifts, pallet trucks and warehouse traffic. By absorbing and deflecting impact forces before damage reaches the rack structure, it helps reduce repair costs, downtime and safety risks in busy warehouse environments.

Made from high-performance polymer, the protector combines lightweight construction with durable impact resistance for reliable everyday protection. Its integrated heavy-duty Velcro strap enables fast and straightforward installation without interfering with warehouse operations or rack accessibility.

Available in three standard sizes to fit most common rack upright profiles, the solution is tested according to FEM 10.2.02 guidelines for reliable use in demanding logistics and industrial facilities.

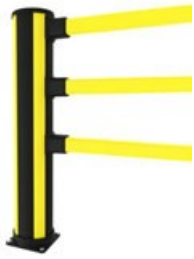
**Key features**

- Fast and easy installation
- Heavy-duty Velcro attachment
- Energy-absorbing polymer design
- Fits most rack upright profiles

# Models

| ARTICLES / DESCRIPTION | | WIDTH (MM) | MIN WIDTH (MM) | MAX WIDTH (MM) | HEIGHT (MM) | COLOR |
|---|---|---|---|---|---|---|
|  | **RG-07083** | 95 | 70 | 83 | 500 | Zinc Yellow (RAL 1018) |
|  | **RG-07992** | 104 | 79 | 92 | 500 | Zinc Yellow (RAL 1018) |
|  | **RG-92105** | 117 | 92 | 105 | 500 | Zinc Yellow (RAL 1018) |

# Related products



### Pedestrian

Use the X-Protect Pedestrian barrier configuration to define pedestrian routes and protect from light duty impacts. It is also possible to combine with a pedestrian gate. The pedestrian gate is sel...

*9 articles*



X-PROTECT BOLLARDS

### Bollards

X-Protect Bollards safeguard corners, doorways and equipment from vehicle impacts. The black and yellow colour scheme enhances visibility and helps direct forklift traffic, creating safer, well-org...

*7 articles*



X-PROTECT IMPACT PROTECTION

### Impact

Use the X-Protect Impact Barrier for ground level impact protection. It is ideal for segregating light weight vehicles or defining warehouse zones. Our modular rails and bollards allow for damaged...

*12 articles*



COLUMN GUARDS

### Multifunctional 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...

*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"

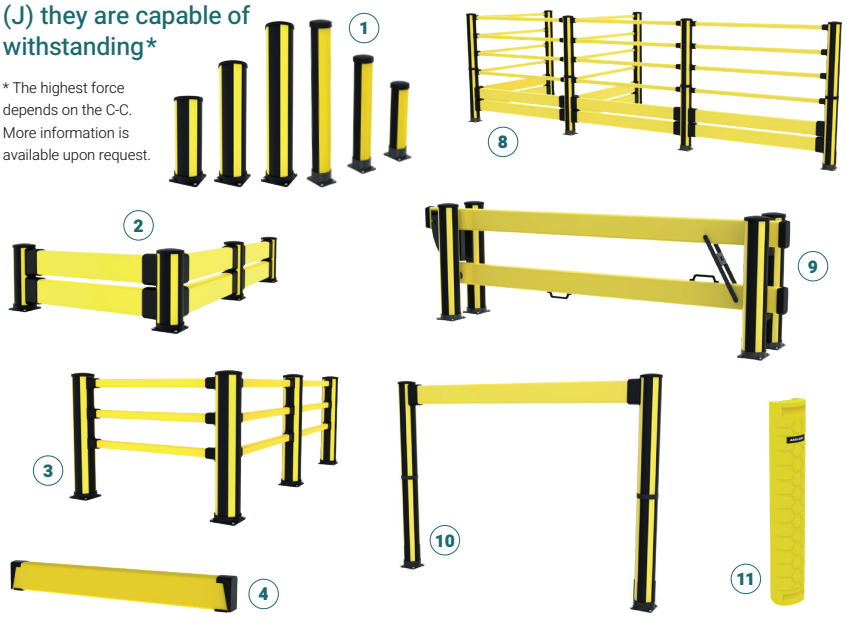
**Essential**
2 connection sides
Width:
132 mm
5 3/16"
Height:
620 – 1170 mm
24 7/16" – 46 1/16"

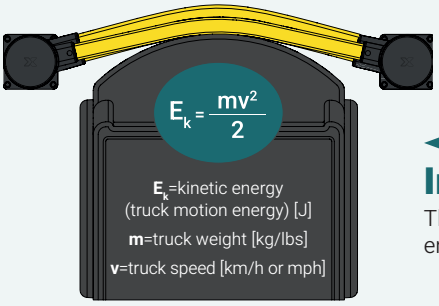


## X-Protect Standard Configurations

+ the highest impact energy (J) they are capable of withstanding*

* The highest force depends on the C-C. More information is available upon request.



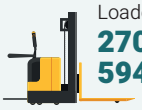

## Impact testing

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**