# 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.




## Upright Protector for Pallet Rack Systems | X-Protect

Rack uprights carry the weight of your entire storage system, which puts them constantly at risk. Forklifts and pallet trucks pass close by every day, and it only takes one bad angle or a rushed turn to hit a rack leg. The Upright Protector is designed to catch that risk before it becomes a bigger problem, using an energy-absorbing design that cuts down on damage, downtime, and repair costs.

### Downloads

- Upright Protector Product information
- X-Protect | Impact Protection Brochure

### Product Information

The Upright Protector is designed to help protect warehouse racking uprights from impacts caused by forklifts, pallet trucks, and warehouse traffic. Absorbing and deflecting impact forces before they reach the rack structure 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 allows for 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 Upright Protector 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

### Where It's Used

The Upright Protector is built for any facility running a pallet rack system in an active traffic environment, including:

- Racking aisles where forklifts and pallet trucks operate close to storage structures
- Distribution centers with frequent pallet placement and retrieval
- Narrow-aisle warehouses where clearance between the rack leg and vehicle traffic is limited
- Any facility that wants to add protection to existing racking without a major installation project

## How It Works

- **Placement:** The protector fits around the base of the rack upright, the section most exposed to impacts from forklifts and pallet trucks.
- **Impact absorption:** Its energy-absorbing polymer design deflects impact force before it reaches the rack structure.
- **Installation:** A heavy-duty Velcro strap holds the protector in place, so your team can install it in minutes without shutting down the aisle.
- **Fit:** It's available in three standard sizes to fit most rack upright profiles.
- **Verification:** It's tested to FEM 10.2.02 guidelines, an industry standard for equipment used in logistics and warehouse settings.

## Who This Is For

If you're responsible for facility safety, maintenance budgets, or warehouse operations, an unprotected racking system is worth a second look. This typically falls to:

- Safety and EHS managers, who need to reduce incident risk and keep facilities compliant
- Facility and maintenance managers, who deal directly with the cost and hassle of rack repairs
- Operations leads, who feel the impact of downtime when a bay goes out of service

If any of that sounds like your role, the upfront cost of protecting your racking is almost always smaller than the cost of not doing it.

## Part of a Larger Impact Protection Approach

The Upright Protector isn't the only line of defense Axelent offers for a busy warehouse floor. It's designed to work alongside other products in the X-Protect range, including:

- **Bollards,** for protecting doorways, corners, and standalone equipment
- **Impact Barriers,** for defining vehicle routes and absorbing larger collision forces
- **Column Guard,** for protecting building columns and structural pillars
- **Pedestrian Barrier,** for separating foot traffic from forklift and pallet truck routes

The right combination depends on your specific layout, traffic patterns, and where your facility sees the most risk. This protector addresses the rack leg specifically, while the others cover the rest of your high-traffic points.

## Protect Your Racking System Before Damage Happens

The protector adds a layer of energy-absorbing protection that installs in minutes and keeps your racking system running without interruption. Request a quote today, or reach out to our team to find the right size and configuration for your facility.

## FAQs

**Do I need to shut down an aisle to install the Upright Protector?**

No. It attaches with a heavy-duty Velcro strap, so you can add it to existing racking without shutting anything down.

**How do I know which of the three sizes fits my racking?**

Each size is built for a specific upright width range: 70-83 mm, 79-92 mm, and 92-105 mm. Match your rack upright's width to the corresponding size to get the right fit.

**Will adding the Upright Protector change how my racking system is used day to day?**

No. It's designed to sit on the upright without restricting access to the rack, so day-to-day picking, loading, and maintenance continue as normal.

**How do I get pricing for outfitting a full aisle or facility?**

You can request a quote directly, and our team can help you figure out how many units you'll need based on your rack layout.

**Is this a one-time purchase or something I'll need to reorder?**

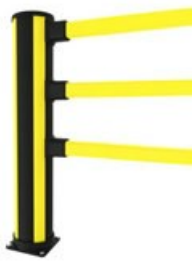
It depends on how much impact traffic your facility sees. Since it's a wear item, most facilities check it periodically during routine inspections and reorder as needed.

# 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



CLASSIC PEDESTRIAN

## 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

## 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...

*3 articles*

# 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"

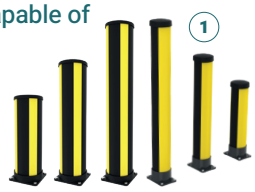
**Essential**
2 connection sides
Width:
132 mm
5 3/16"
Height:
620 – 1170 mm
24 7/16" – 46 1/16"

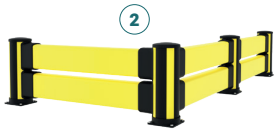


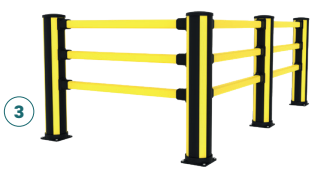
## X-Protect Standard Configurations

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

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

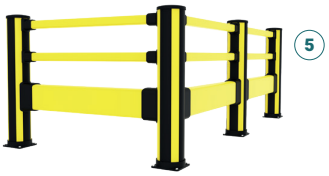




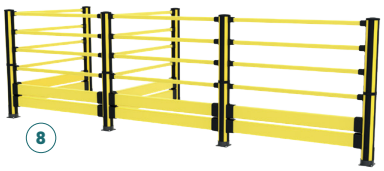


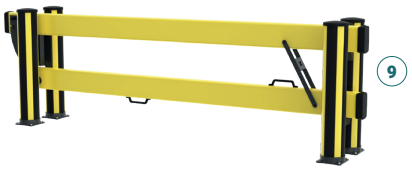








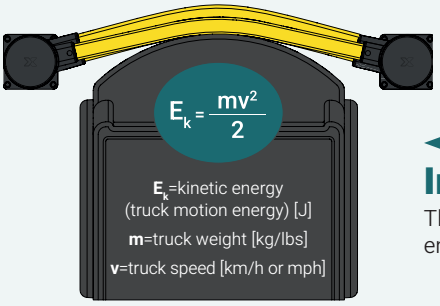









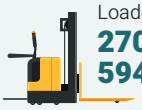

## Impact testing

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**