



**“Protect-a-Rack”**  
Improve Safety and reduce damage costs ...



# Rack damage is a serious problem in warehouses ...

- ➔ Even the best forklift drivers have accidental collisions with racking.
- ➔ Worst case scenario involves a rack collapse
- ➔ Impact damage ...
  - ... weakens the racking structure
  - ... compromising the rack load carrying capacity
  - ... potentially putting both property and life, at risk

“Protect your business and your people  
with Protect-a-Rack”



## **There are two key benefits of using a Rack Protector:**

### **1. Improve OH&S standards**

- Minimise risk to human life and property
- Avoid expensive litigation, workers comp/sick pay
- Avoid OH&S fines

### **2. Save on repair and replacement costs**

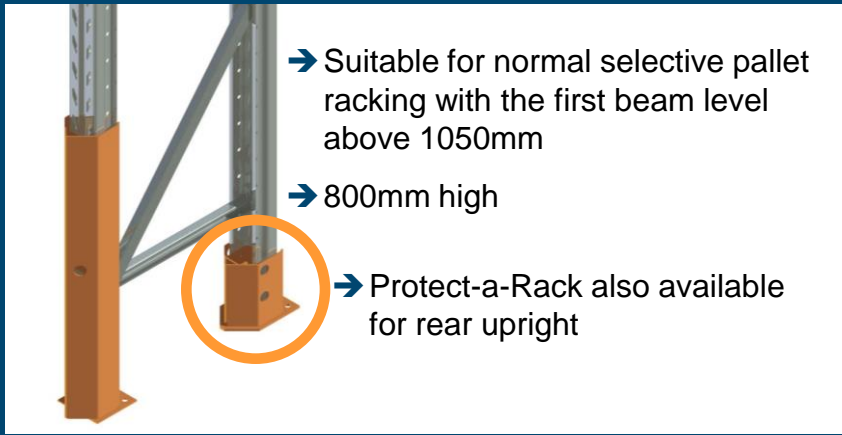
- Extend the longevity of rack and repair/replace it less often
- Avoid loss of productivity during replacement/repair process

# 4 Protect-a-RACK models are available

## Overview



### Protect-a-RACK Standard



- Suitable for normal selective pallet racking with the first beam level above 1050mm
- 800mm high
- Protect-a-Rack also available for rear upright

### Protect-a-RACK Low Beam



- Suitable for double deep racking and long span shelving with first beam at 300mm or 375mm
- Protect-a-Rack also available for rear upright
- Comes in two pieces which fit together snugly:
  - Base plate
  - Upright Protector

### Protect-a-RACK CLS



- A specially notched version suitable for carton live storage racking with typical shelf levels
- Available for front and rear uprights

### Protect-a-RACK Base



- Protect-a-Rack also available for rear upright
- Two available types:
  - Integrated unit combining a baseplate for the rack upright and a low-rise protector
  - Low-rise retrofit unit to suit existing installations

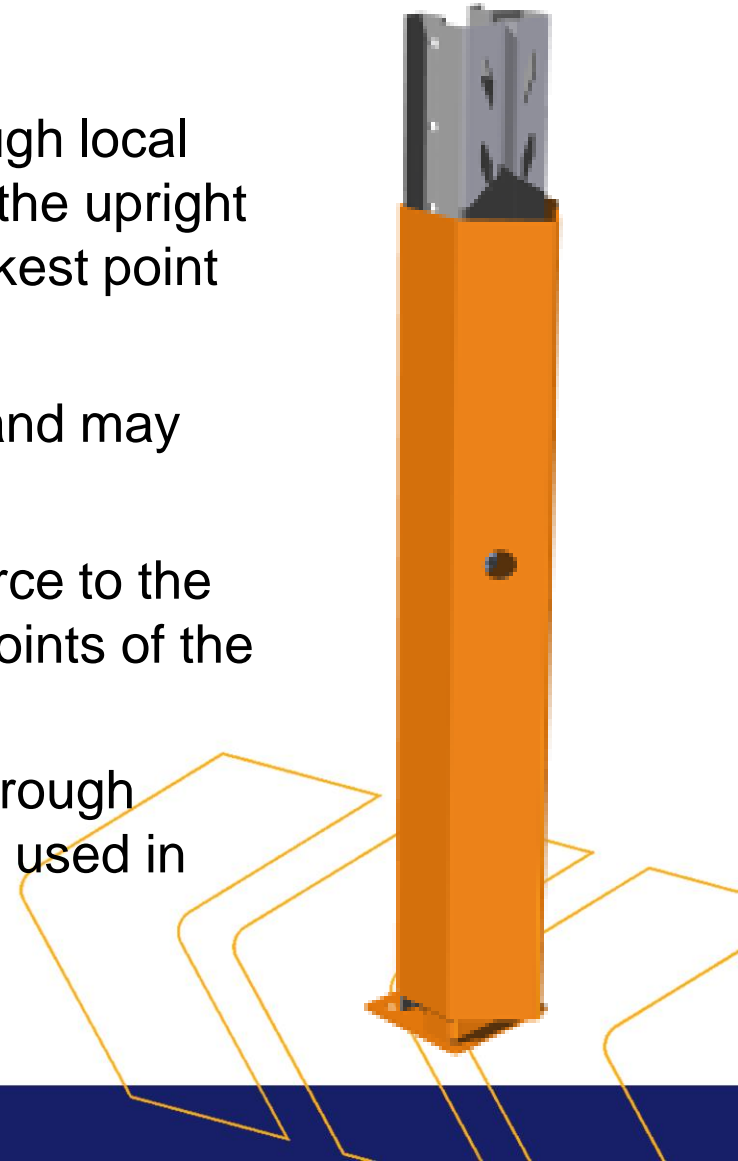
## What is the Idea behind Protect-a-Rack?

- › Bolted directly onto the front face of the upright
  - Eliminates need to install additional masonry anchors in the floor
- › Increases impact resistance
- › Transfers forces from an impact to the strongest section of the rack
- › Provides both front and rear protection
- › Extends back past the rear flange providing greater protection, even at brace nodes
- › Prevents damage when removing pallets



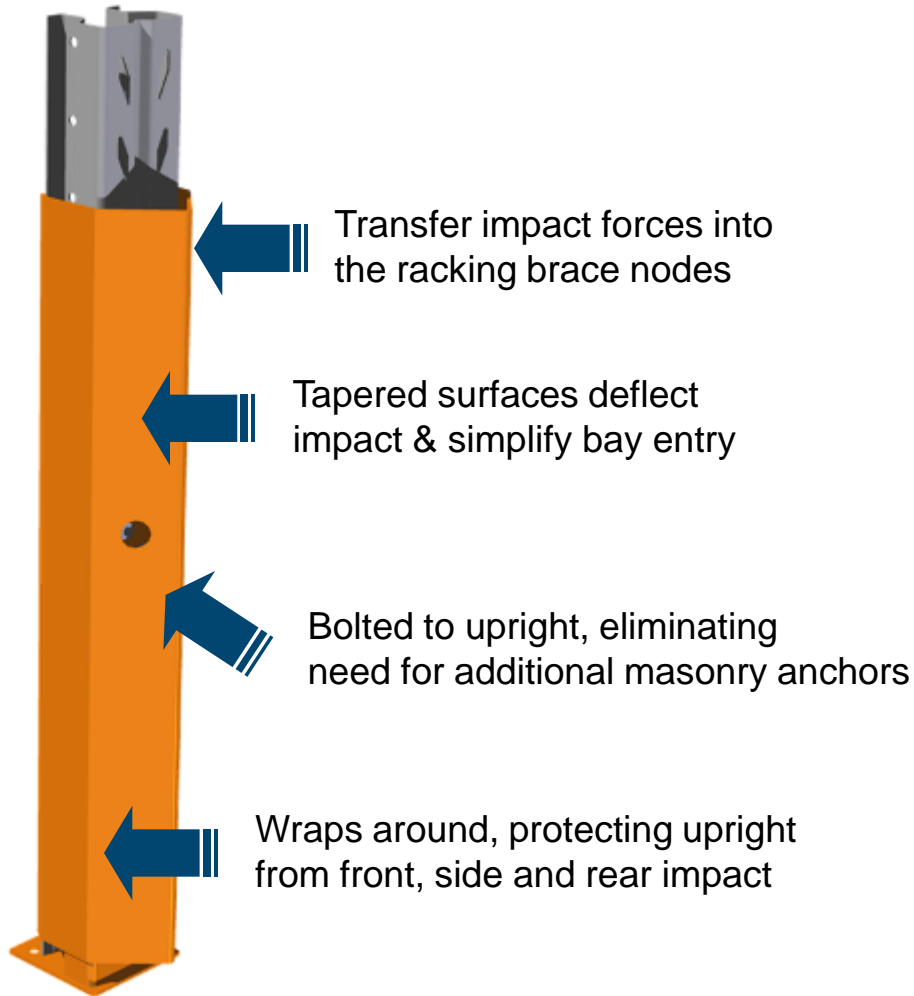
## ➤ Steel performs better than Plastic

- Plastic protectors “absorb” impact through local deformation. They transfer the force to the upright in that local region, possibly at the weakest point in between brace nodes.
- Plastic protection are easily damaged and may require frequent placement
- Colby’s Protect-a-Rack transfers the force to the brace nodes, which are the *strongest* points of the frame.
- Colby protectors “absorb” the impact through bending, which is exactly the technique used in cars, especially in side impact beams.



# Rack protection system boosts warehouse safety

## Protect-a-RACK



Rear

Front

# Rack protection system boosts warehouse safety

## Protect-a-RACK



- Manufactured from heavy duty steel
- Versatile design fits any type of racking
- Simple, fast and cost effective installation
- Streamlined design maximises clear bay entry
- Certified and patented design



Designed to be fitted to just about every type of rack upright, including those of other manufacturers.





## Customers about Protect-a-Rack



*"To improve OH&S and reduce on-going rack maintenance costs, we trialed a couple of rack protection systems in our warehouse. Our forklift operators expressed a strong preference for the Colby Protect-a-RACK, and it was also the most cost-effective solution, which made this a very easy decision."*

**Neville Tapp, Director of Operations, Avery Dennison**



*"The Colby Protect-a-RACKs have done their job superbly. Over the past 12 months, we have experienced minimal rack damage and enjoyed a safer workplace thanks to them, and Colby Storage Solutions' smart warehouse layout."*

**Terry Wicks, Distribution Centre Manager, Westgate Logistics**

# Application Examples



# Application Examples



# Application Examples



# Application Examples

