



# ONE TOUCH

## Solutions

### PRODUCT SPECIFICATIONS

### RACK PROTECTION



Operating temperature

+50°C to -40°C

Colours

Bright yellow, red & green

Materials

Made from ballistic grade plastic

Dimensions

600mm high

Notes

No fixing required  
Fit frames from 85mm to 100mm – special large orders possible for larger and smaller frames



## **Introduction**

Have you ever thought about just how much time, effort and money you it costs to replace damaged pallet racking? Have you ever thought how easily an accident can happen with a forklift or reach truck hitting the rack? What are the costs of an accident and how much risk can you afford?

### **PREVENTION IS BETTER THAN CURE**

Obviously one shouldn't be hitting the rack – it's not designed for that. Good visibility reduces accidents.

It is an innovative rack protection device which signifies a departure from old methods of upright protection. The high visibility of the rack protector makes the rack upright more visible and reduces potential accidents by up to 95%. For the other 5% the rack protector reduces the impact.

Its strength is in its simplicity - it simply clips onto your existing or new racking without the need for further fixings and quite simply, it works!

In particular, whilst MHE operators' central vision is concentrating on loads at height, the Rack Armour enhances its position in the peripheral vision, thus reducing the major cause of chronic damage to Racking Uprights.

The external deflector' component is made from ballistics grade High Density Polyethylene. The curved shape gives this component a low friction coefficient with high deflecting properties. The same design principles used in sloped armour on Battle tank turrets together with load distributing abilities of an arch bridge make this component the key element in its strength.

Unlike some other rack protection products Polyethylene has 'persistence of shape' which means when Rack Armour receives an impact, it has the ability to return to its original shape. The simultaneous deflecting and diffusing action of the deflector will greatly reduce the impact forces from being transmitted to the vulnerable front and lateral faces of your racking uprights.

The internal 'shock diffuser' component is of such a shape and form so as to provide a flush interface between the internal profile of the 'shock isolator' component and the various types of external profiles of different manufacturing types of racking uprights. The 'shock isolator' component encapsulates the front face and portions of the lateral sides of the upright. This component is manufactured from closed cell polyethylene foam, a very tough and durable material. The shape, mass, density and internal structure of the shock isolator has such properties so as to induce inertia and an exaggerated path to shock forces.

## **Benefits:**

- Made from Ballistics Grade Plastic - No rust, no dents and has the ability to reform after impacts
- No fixings required - no drilling in to your floor, faster, easier and simple to install
- High visibility colour as standard - is easier to see thus reducing the likelihood of impacts occurring
- Available in Red and Green colours - for fire exits, safety equipment or traffic management systems/one way routes
- Fits all types and makes of racking - no special profiles required and can be transferred between different types of racking. Only Small, medium or large are required
- The guard has a rounded shape with a high density polyethylene outer deflector and a tough foam inner diffuser - impacts are more likely to be deflected and any forces are diffused throughout its length
- The guard can operate down to - 40C - Extremely tough materials where you need to get in and out fast