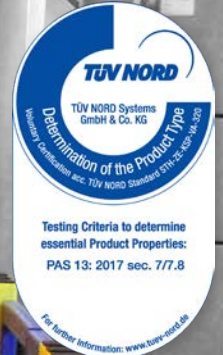


# Specialist Catalogue for Industrial Impact Barriers



# IMPACT PROTECTION

## Rack Armour® Upright Protection

- ✓ 800% proven ROI.
- ✓ Slash maintenance budgets and workloads.
- ✓ Self-install with no fixings and fits all racking types.
- ✓ Zero maintenance and floor damage.
- ✓ A single solution for all warehouse environments.

Made from ballistics grade plastic, the Rack Armour® outer shell is shaped to divert impact energy around the rack leg instead of through it. Any remaining impact energy is absorbed by the interior foam until it is diffused. This twin action protection uniquely helps to maintain the structural integrity of the racking system. Rack Armour® can't be knocked off when brushed by vehicles and with a high visibility range of colours, clearly helps identify safe working boundaries for materials handling equipment drivers.



### Features

- ✓ Impact tested to FEM 10.2.02 international standards.
- ✓ Fitted in seconds and last for years.
- ✓ Requires no maintenance unlike metal barriers.
- ✓ Patented design to deflect and absorb impact.
- ✓ Use in temperatures as low as -40°C.
- ✓ Fits all types of pallet racking and is transferable.
- ✓ High visibility colour for warehouse safety.
- ✓ Materials are non-toxic and fully recyclable.
- ✓ Impervious to rust, moisture, mould growth, corrosion, acid, alkaline and most solvents.















Hi-Vis Yellow



Safety Yellow



|   |                   |   |                  |
|---|-------------------|---|------------------|
|  | Hi-Vis Yellow     |  | Red              |
|  | Colourfast Yellow |  | Green            |
|  | Safety Yellow     |  | Grey             |
|  | Orange            |  | Glow in the dark |

## Rack Armour® has been tested to meet and exceed European and Australian safety standards, including EN 15512 and AS4100.

This involved simulating a forklift truck weighing 2032KG travelling at 1.8 metres per second striking a section of racking. With Rack Armour® fitted, negligible damage occurred after eight strikes (a 3mm buckle). Without protection, significant damage occurred after one strike (a 12mm buckle), increasing to 74mm after three hits.

## DIMENSIONS

### EURO

- ✓ 300mm high
- ✓ 600mm high



If you require any additional sizes, please contact the sales team.

### FITS RACK FRONT FACE

- EURO A:
  - ✓ 87mm wide
- EURO B:
  - ✓ 100mm wide
- EURO C:
  - ✓ 120mm wide

### USA: 24" HIGH DIMENSIONS

- USA A:
  - ✓ 3" x 1" 5/8
- USA B:
  - ✓ 3" x 3"
- USA C:
  - ✓ 4" x 2" 3/4



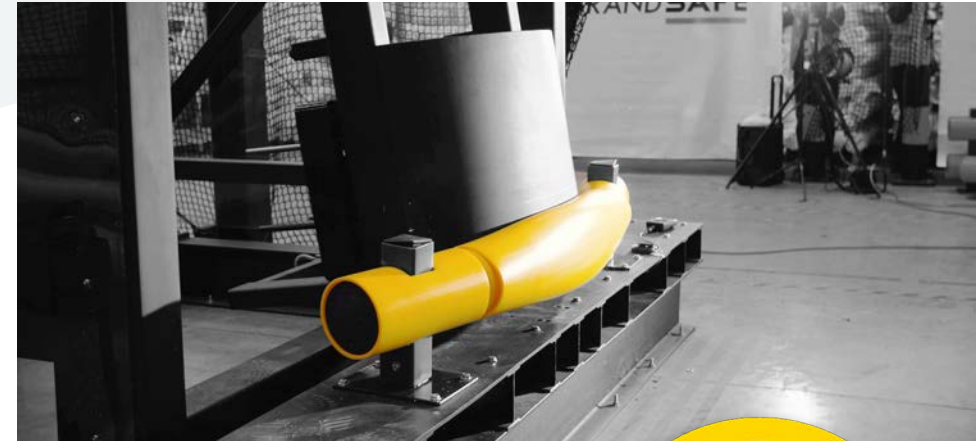
Available in a range of colours

# Impact Barriers

## Impact protection solutions for storage, buildings, drivers and pedestrians.

### Benefits

- ✓ Lower repairs and maintenance cost compared to metal barriers.
- ✓ Reduces vehicle impact damage and downtime.
- ✓ Tested to PAS 13 and third party accredited.
- ✓ Greater employee safety and driver protection.



### Description

The flexible barrier design, absorbs the load of impact, away from a vehicle and ground fixings to reduce damage and repair time, unlike metal barriers.

Easy to install, these low maintenance polymer barriers don't rust, corrode, fade or require re-painting, and only need replacing after frequent, major impact has occurred.

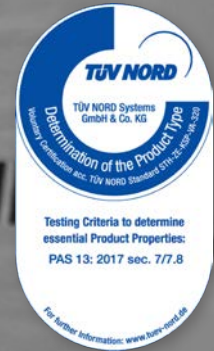
Available in a range of striking, high visibility colours that are easily detectable, preventing damage and accidents before they happen.

Fully recyclable, non-toxic and suitable for use in food production and freezer environments.



## Features

- ✓ **Flex design**  
Upon impact a barrier will flex and then simply return to its original shape.
- ✓ **As strong as steel**  
Our polymer barriers are equal in strength to traditional steel barriers.
- ✓ **PAS 13 compliant and third party accredited**  
Tested and accredited to the highest standards to ensure confidence in barrier performance.
- ✓ **UV resistant**  
Fully weather proof for all climates and conditions means it's colour fast and does not distort.
- ✓ **No maintenance**  
These barriers are made from solid coloured polymer, so no flaking, loss of colour or scratches to re-paint.
- ✓ **Reduces floor damage**  
Unlike other barriers the impact force is absorbed by flexing throughout the barrier, to reduce base plate and floor damage.
- ✓ **Lower vehicle damage and driver injury**  
These flexible polymer barriers flex to reduce vehicle damage and also cushion the impact for drivers.
- ✓ **Suitable for all temperatures**  
Multi-purpose solution which performs in temperatures from +40°C to -40°C.



### PAS 13

is a BSI published code of practice to help advise on the types of barriers that are suitable for use within the workplace to segregate vehicles and pedestrians. It also includes guidance on how to test barriers to demonstrate their safety.

### TUV Nord

is a global independent testing and certification organisation that assess if product testing is carried out to PAS 13 and confirm the test results.

- ✓ Our range of barriers is the only one that has been PAS 13 tested and third-party accredited among barriers of similar use.
- ✓ Brandsafe® barriers outperform comparable products in the market and support rapid customisation and shorter lead times, than any other providers.





# End of Aisle Barriers

## Solid all-round protection and highly visible to MHE operators.

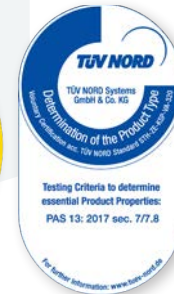
These low maintenance High Density Polyethylene (HDPE) plastic barriers flex and absorb upon impact due to its unique design. Unlike metal barriers, there is minimal floor damage when impact occurs, saving maintenance costs long term.

Available in single or double barrier options depending on the business of your warehouse and strength required - single barriers stand at 400mm high and double barriers at 620mm high.

Available in 2 sizes, 1200mm or 2400mm width and in a range of striking, high visibility colours that are easily detectable.

## Features

- ✓ Available in single or double options.
- ✓ Highly durable plastic for long lasting protection.
- ✓ Flexes on impact and reforms shape.
- ✓ Variety of highly visible colours available.
- ✓ Use in temperatures as low as -40°C.



**Colourfast  
Yellow & Grey**



**Hi-Vis  
Yellow & Blue**



**Safety  
Yellow & Grey**



# Bumper Barriers

## Combines strength and visibility to maximise space.

These low maintenance High Density Polyethylene (HDPE) plastic barriers offer complete warehouse protection by creating safe zones of highly visible barrier systems. They provide the right amount of visibility and strength, whilst maximising space in the warehouse.

Unlike metal barriers, there is minimal floor damage when impact occurs, saving maintenance costs long term.

Available as single or double bumpers, depending on the level of protection required - single barriers stand at 260mm high and double barriers at 565mm high.

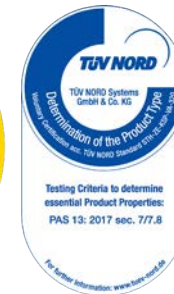
Available in a range of striking, high visibility colours that are easily detectable, preventing accidents before they happen.

Fully recyclable and non-toxic. Suitable for use in food production facilities and freezer environments.

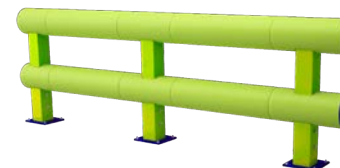


## Features

- ✓ Available in single or double options.
- ✓ Highly durable plastic for long lasting protection.
- ✓ Flexes on impact and reforms shape.
- ✓ High visibility colours clearly gives safe working boundaries for MHE drivers.
- ✓ Variety of highly visible colours available.
- ✓ Use in temperatures as low as -40°C.



**Colourfast  
Yellow & Grey**



**Hi-Vis  
Yellow & Blue**



**Safety  
Yellow & Grey**

# Pedestrian Barriers

## A simple solution to protect and segregate pedestrians and MHE.

These pedestrian barriers are ideal for highlighting safe pedestrian areas and guiding people in the right direction, internally or externally.

Low maintenance High Density Polyethylene (HDPE) plastic barriers only need replacing when frequent, major impact has occurred. Unlike metal barriers, there is minimal floor damage when impact occurs, saving maintenance costs long term.

Available in a range of striking, high visibility colours that are easily detectable, preventing accidents before they happen.

## Features

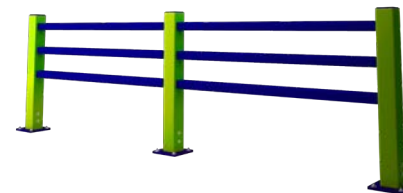
- ✓ Highly durable plastic for long lasting protection.
- ✓ Flexes on impact and reforms shape.
- ✓ Variety of highly visible colours available to highlight safe pedestrian areas.
- ✓ Use in temperatures as low as -40°C.
- ✓ Designed with safety and segregation in mind.



Available  
in 3 colour  
options



Colourfast  
Yellow & Grey



Hi-Vis  
Yellow & Blue



Safety  
Yellow & Grey



# Pedestrian Bumper Barriers

## Extra deflection and strength to increase safety of pedestrians.

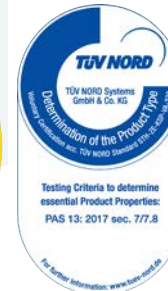
Where pedestrians and MHE frequently pass each other, there is no better protection than the pedestrian bumper barriers. Easy to see and durable, they are ideal for warehouse and pedestrian segregation.

High Density Polyethylene (HDPE) plastic barriers only need replacing when frequent, major impact has occurred. Unlike metal barriers, there is minimal floor damage when impact occurs, saving maintenance costs long term.

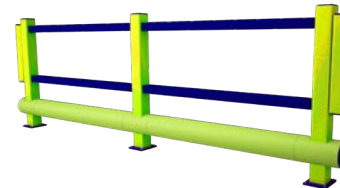
Choose from a range of striking, high visibility colours that are easily detectable, preventing accidents before they happen.

### Features

- ✓ Available in single or double options.
- ✓ Highly durable plastic for long lasting protection.
- ✓ Flexes on impact and reforms shape.
- ✓ Variety of highly visible colours available gives safe working boundaries for MHE drivers and pedestrians.
- ✓ The bumpers add extra deflection, strength and safety.



**Colourfast  
Yellow & Grey**



**Hi-Vis  
Yellow & Blue**



**Safety  
Yellow & Grey**



# Safety Gate

## Safe and easy to use pedestrian access for any barrier system.

Low maintenance High Density Polyethylene (HDPE) plastic gates only need replacing when frequent, major impact has occurred.

Available in a range of striking, high visibility colours that are easily detectable, preventing accidents before they happen.

Fully recyclable and non-toxic. Suitable for use in food production facilities and freezer environments.

## Features

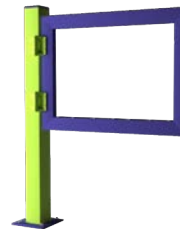
- ✓ Highly durable plastic for long lasting protection.
- ✓ Flexes on impact and reforms shape.
- ✓ Variety of highly visible colours available.
- ✓ Use in temperatures as low as -40°C.
- ✓ Designed with safety and segregation in mind.



Available  
in 3 colour  
options



Colourfast  
Yellow & Grey



Hi-Vis  
Yellow & Blue



Safety  
Yellow & Grey



# Floor Rail

**Provides subtle protection that is both strong and durable.**

These floor rail bumpers are ideal for providing subtle protection at low levels from order pickers, with minimal space intrusion in the warehouse.

Manufactured from ballistics grade materials and fixed to the floor, these barriers are strong and durable enough to take knocks and bumps from MHE drivers. They are ideal for placing behind bays to prevent pallets being hit against walls or racking.

Choose from a range of striking, high visibility colours that are easily detectable, preventing accidents before they happen.

**Available  
in 3 colour  
options**



**Colourfast  
Yellow & Grey**



**Hi-Vis  
Yellow & Blue**



**Grey**

## Features

- ✓ Manufactured from ballistics grade materials.
- ✓ Provides subtle protection at low levels.
- ✓ Ideal for placing behind bays.
- ✓ Length available - 900mm upwards.
- ✓ High visibility colour clearly gives safe working boundaries for MHE drivers.







# Safety Bollard

## Adding strength and presence to corners and structures.

These heavy duty safety bollards are a cost effective solution to protect corners, entrances and structures without taking up too much space.

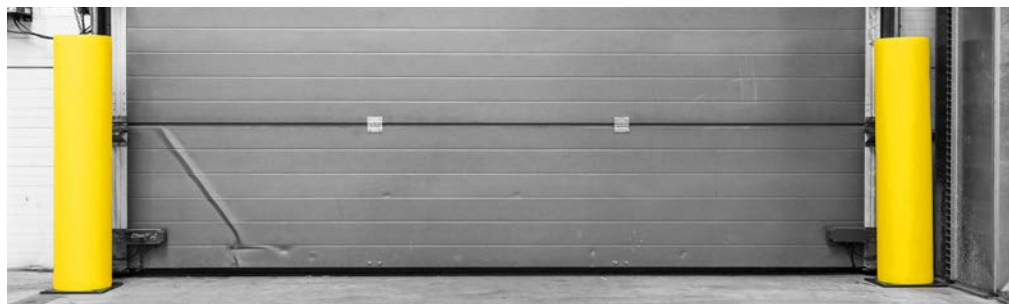
Manufactured from tough HPDE, these bollards are able to take the impact of multiple hits and simply reform afterwards with little or no damage.

Available in various heights - 600mm, 900mm and 1200mm.

Available in a range of striking, high visibility colours that are easily detectable, preventing accidents before they happen.

## Features

- ✓ Manufactured from ballistics grade materials.
- ✓ Ideal for corners, entrances and structures.
- ✓ Deflects under impact without damaging.
- ✓ High visibility colour clearly gives safe working boundaries for MHE drivers.
- ✓ Use in temperatures as low as -40°C.



**Hi-Vis  
Yellow & Blue**



**Safety  
Yellow & Grey**



**Colourfast  
Yellow & Grey**



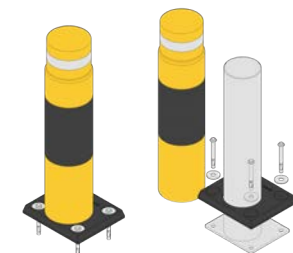
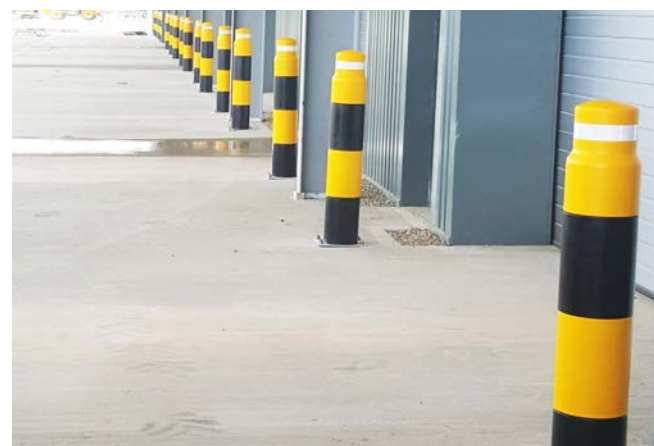
# ImpactSAFE Bollards

These bolt-down heavy-duty bollards come with shock absorbing rubber buffers to take the force of impact away from the slab and fixings.



## Features

- ✓ Industrial steel bollards with ImpactSAFE shock absorbing buffers for impact force.
- ✓ Slide-over polymer cover kits to eliminate need for re-painting and degradation associated with powder-coated bollards.
- ✓ A high quality finish and protection.
- ✓ No-trip, no-dirt design with flush finish safety-plus floor anchors.
- ✓ 168mm dia steel cores and baseplates galvanised to BS EN ISO 1461.
- ✓ Available in 1000mm, 1300mm and 1600mm heights.
- ✓ 210mm dia polymer cover kits available in a range of colours.





STORAGE DESIGN LIMITED

