

Brandsafe



Rack End Barrier

This heavy-duty polymer rack end barrier is engineered to protect racking systems, personnel and material handling equipment from impact damage in warehouse environments. Manufactured from flexible high-density polyethylene (HDPE), the barrier deflects under impact and reforms to shape, helping reduce damage to floors, vehicles and infrastructure compared with rigid steel protection systems.

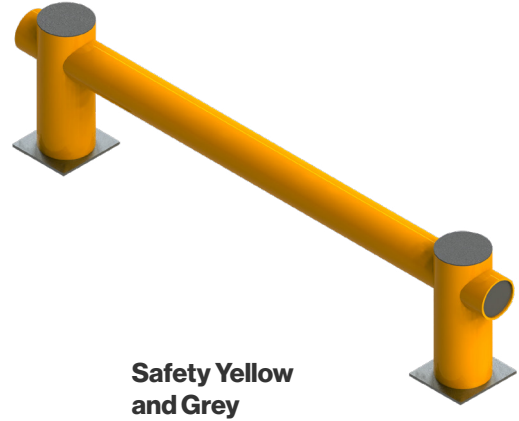


Features and Benefits

- Manufactured from flexible high-density polyethylene (HDPE) with mild steel base plates.
- Designed to deflect under impact and reform to shape.
- Standard barrier lengths: 900mm, 1100mm and 2400mm.
- Quick and easy installation, all fixings provided.
- Non-toxic and fully recyclable materials.
- Suitable for use in food production facilities and freezer environments.
- Minimal floor damage when impacts occur, reducing long-term maintenance costs.
- High-visibility colour clearly defines safe operating zones for MHE drivers.

Testing

Brandsafe® Rack End Barriers have been impact tested by IWS Group, to ensure superior performance and reliability. Testing demonstrated that at a 90° impact angle, the barrier absorbed 4.6 kJ of energy, while at a 45° impact angle, it absorbed 9.2 kJ. These results are equivalent to a 3.7 mph impact from a 3,500 kg forklift, with a measured deflection of 195 mm. All testing was conducted using M12 Safety Plus Anchors, confirming performance under standard warehouse conditions.



Material	High density polyethylene (HDPE)
Properties	Resistant to water, mould, corrosion, and most solvents
Temperature range	Use in ambient, chilled and freezer environments
Height	468.5mm
Width	240mm (footplate)
Length	900mm / 1100mm / 2400mm
Colour options	Safety Yellow and Grey
Floor anchors	4x M12 x 120mm Safety Plus Anchors
Barrier option	Single
Tested impact energy (J)	4,600 Based on impact at 90°
Deflection (mm)	195