



## mFlex Single Traffic Barrier Ground Level

Designed to safeguard walls, structures, goods and machinery from hand operated equipment and the wear-and-tear of frequent low energy impacts at near-ground level.

Such impacts can damage surfaces, materials and stock over time, degrading safety and causing equipment to break down.

This light duty barrier keeps vehicles and their loads on a required route, preventing them from encroaching into protected areas.



**Q-A-SAFE**  
PIONEERING WORKPLACE SAFETY



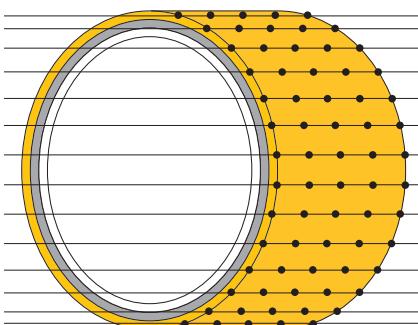
## MEMAPLEX™

### Ultimate strength polymer

created from an exclusive composition of the most sophisticated polyolefins and rubber additives, expertly blended for unequalled strength and flexibility.

### Advanced Engineering Molecular

reorientation during manufacturing creates a unique built-in memory that enables the barrier to fully recover following impacts.



### Revolutionary 3-Layered Material

- Inner strengthening core
- Central impact absorption zone
- Outer UV stabilised colour layer



## Energy Absorption System

A patented 3-phase system that activates sequentially for unparalleled energy absorption.

- 1 Memaplex™ rail flexes to absorb impact, initiating the rail pin to slide forward and transfer load energy to the compression pocket.
- 2 Compression of the pocket continues to disperse energy as the coupling rotates around the post pin to activate further absorption.
- 3 At peak energy, the coupling twists further, engaging the post pin and instigating torsion of the post to disperse remaining forces.

**A** Post Pin

**B** Coupling

**C** Rail Pin

**D** Compression Pocket

**E** Rail

## Suitability

Vehicle



Electric  
Pedestrian Stacker



Manual Pallet  
Truck



Frame Roll  
Container

### Application



Building and  
equipment  
protection



Corridor and  
wall protection



Unrivalled recovery through a unique built-in memory that allows the barrier to flex, cushion and reform repeatedly upon impact, saving vast amounts in barrier and vehicle repairs.

Huge return on investment from incident prevention and downtime avoidance as barriers, vehicles, floors and equipment do not need replacing or repair.

## Features and benefits



Multi-directional system ensures a streamlined fit into any operation and the removal of hard angles.



Ultra-low maintenance material is chemical and water resistant, non-corrosive, non-scratch and self coloured so no repainting, rusting, flaking or corrosion.



Exclusive modularity allows rails and posts to be replaced in-situ without removing adjacent barrier sections.



Seals reduce the risk of water ingress.



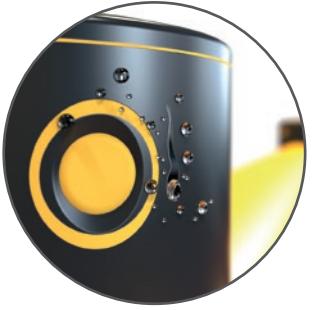
Zinc nickel, electrophoretic coating on base plates as standard, provides advanced protection against corrosion damage.



Self coloured and UV stabilised for continued visibility and long lasting aesthetics with no repainting.



No floor damage 80% of impact force is absorbed, transferring just 20% to the floor.



Wipe-clean, water resistant surface.



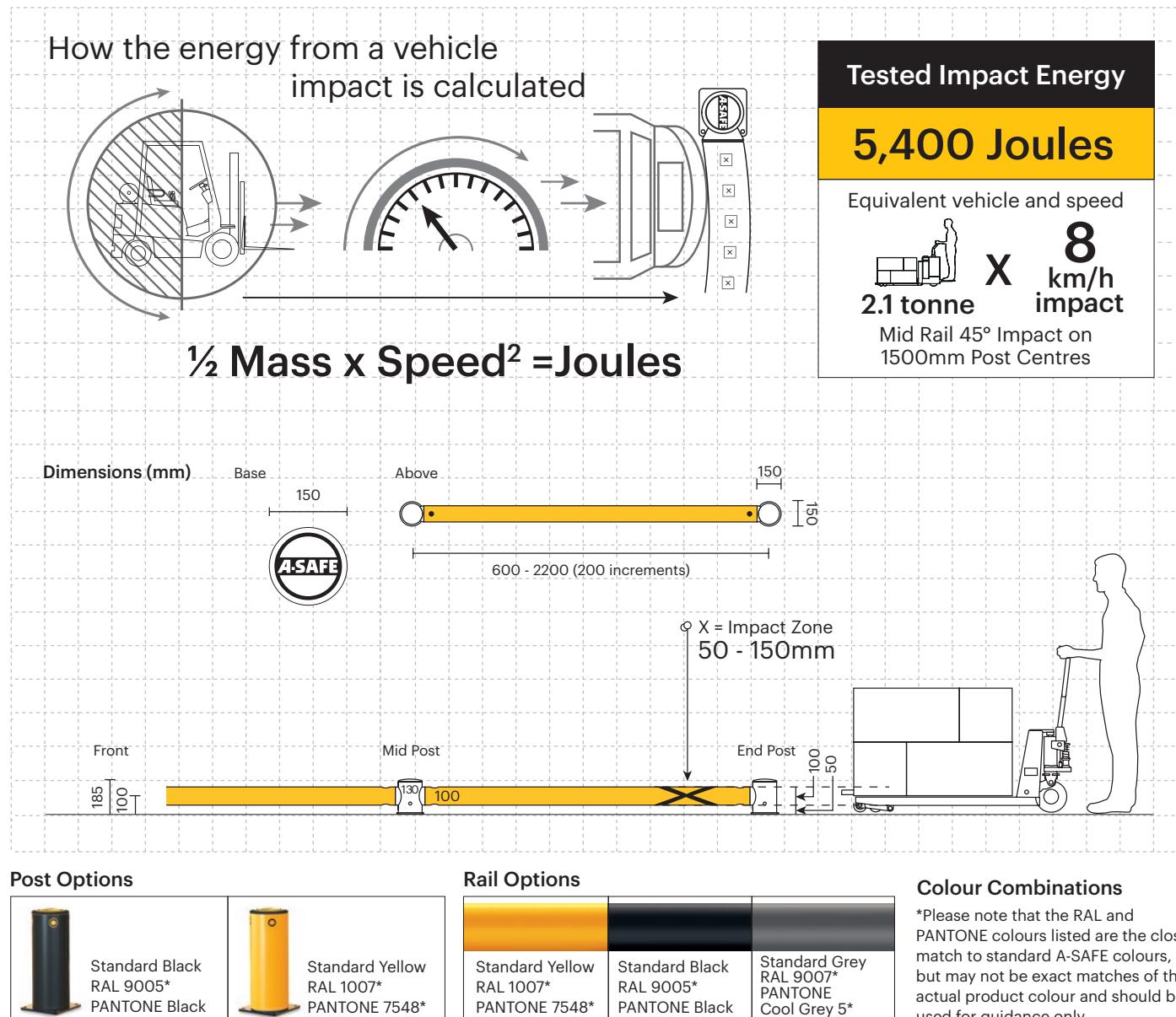
Ergonomic design with no sharp edges.



Environmentally friendly and 100% recyclable.

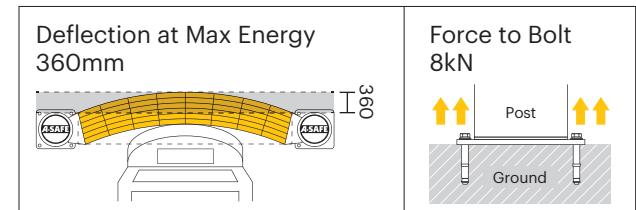


# Technical Information



Impact Test	Impact Angle on 1500mm Post Centres			
	90°	67.5°	45°	22.5°
Mid Rail Max Energy (Joules)	2,700	3,163	5,400	18,437

End Post Max Energy (Joules) - 90°	3,000
Mid Post Max Energy (Joules) - 90°	3,000



Material Properties	MEMAPLEX™
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	1015 - 1016 Ω

\* Weathering scale 1 is very poor and 5 is excellent

\*\* Light stability scale 1 is very poor and 8 is excellent

