

mFlex Single Traffic Guardrail

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

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.





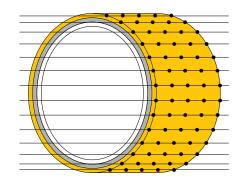


Ultimate strength polymer

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 guardrail to fully recover following impacts.



Revolutionary 3-Layered Material

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

Suitability





Electric Pedestrian Stacker



Frame Roll

Container



Application

Building and equipment protection



wall protection

Column

Protection



machinery

A Post Pin

B Coupling

C Rail Pin



Energy Absorption System

energy to the compression pocket.

pin to activate further absorption.

3 At peak energy, the coupling twists further,

the post to dispel remaining forces.

for unparalleled energy absorption.

A patented 3-phase system that activates sequentially

Memaplex™ rail flexes to absorb impact, initiating

2 Compression of the pocket continues to disperse energy as the coupling rotates around the post

engaging the post pin and instigating torsion of

Compression Pocket

the rail pin to slide forward and transfer load

Airport equipment & baggage conveyor protection

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

Huge return on investment from incident prevention and downtime avoidance as guardrails, 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.



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



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



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



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



Food safe, wipe-clean, water resistant surface.



Hygiene seals remove ingress points.

Ergonomic design with no

sharp edges.



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

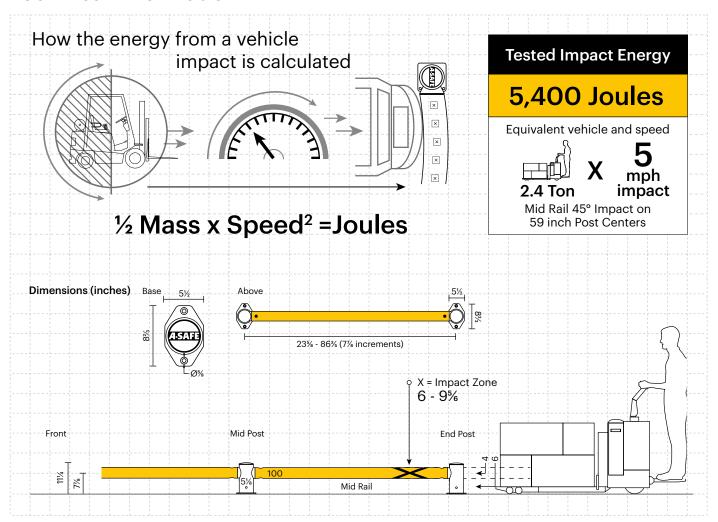


Environmentally friendly and 100% recyclable.





Technical Information



Post Options	Rail Option
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	Rail	Options
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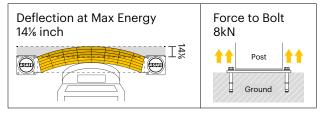
Standard Yellow RAL 1007* PANTONE 7548*	Standard Black RAL 9005* PANTONE Black	Standard Grey RAL 9007* PANTONE Cool Grey 5*

Color Combinations

*Please note that the RAL and PANTONE colors listed are the closest match to standard A-SAFE colors, but may not be exact matches of the actual product color and should be used for guidance only.

Impact Test	Impact Angle on 59 inch Post Centers			
	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	14°F to 122°F
Ignition Temperature	698°F to 734°F
Flash Point	662°F to 698°F
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
Hygiene Seals	Yes

^{*} Weathering scale 1 is very poor and 5 is excellent



^{**} Light stability scale 1 is very poor and 8 is excellent