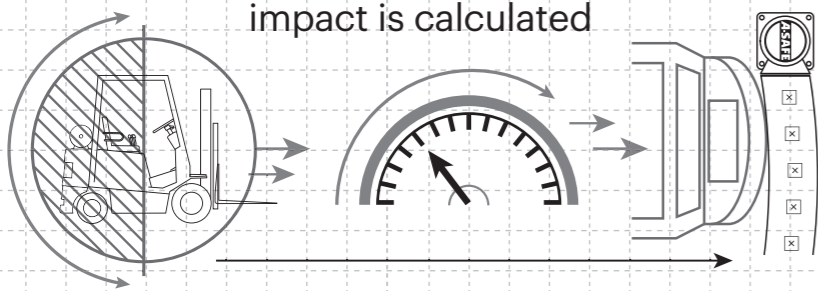


Technical Information

How the energy from a vehicle impact is calculated



$\frac{1}{2} \text{ Mass} \times \text{Speed}^2 = \text{Joules}$

Tested Impact Energy
3,850 Joules
 Equivalent vehicle and speed
1.5 tonne X **5 mph impact**
 Mid Rail 45° Impact on 1500mm Post Centres

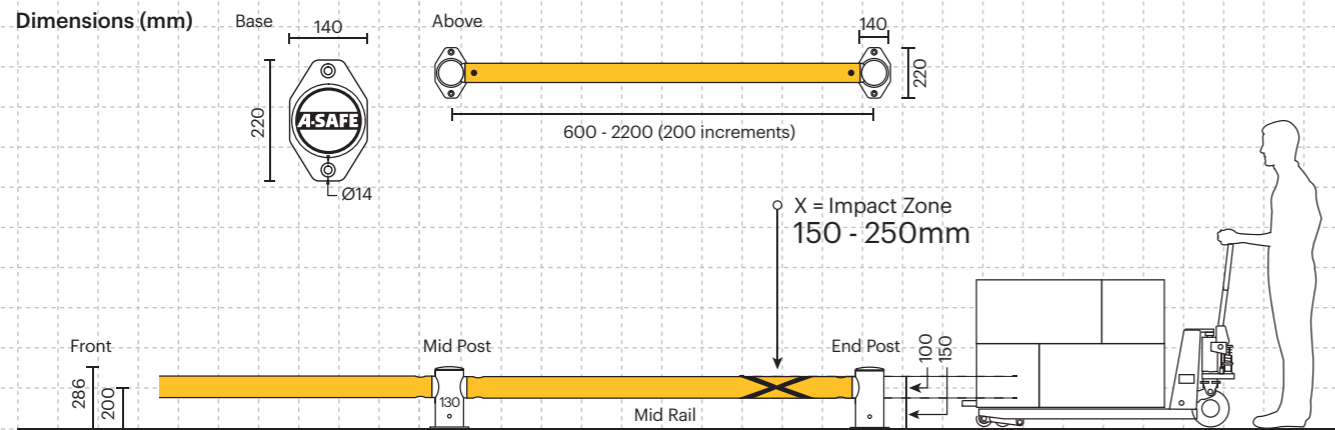
Impact Test	Impact Angle on 1500mm Post Centres			
	90°	45°	22.5°	10°
Mid Rail Max Energy (Joules)	2,700	3,850	7,100	15,650
End Post Max Energy (Joules) - 90°	3,000			
Mid Post Max Energy (Joules) - 90°	3,000			

Deflection at Max Energy 360mm

Force to Bolt 8kN

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
Hygiene Seals	Yes

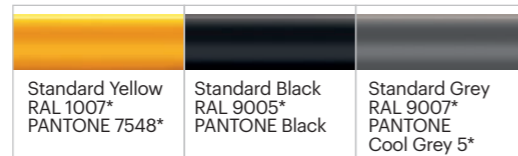
* Weathering scale 1 is very poor and 5 is excellent
 ** Light stability scale 1 is very poor and 8 is excellent



Post Options



Rail Options



Colour Combinations

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



mFlex™
 Single Traffic Barrier

A-SAFE

Est. 1984



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

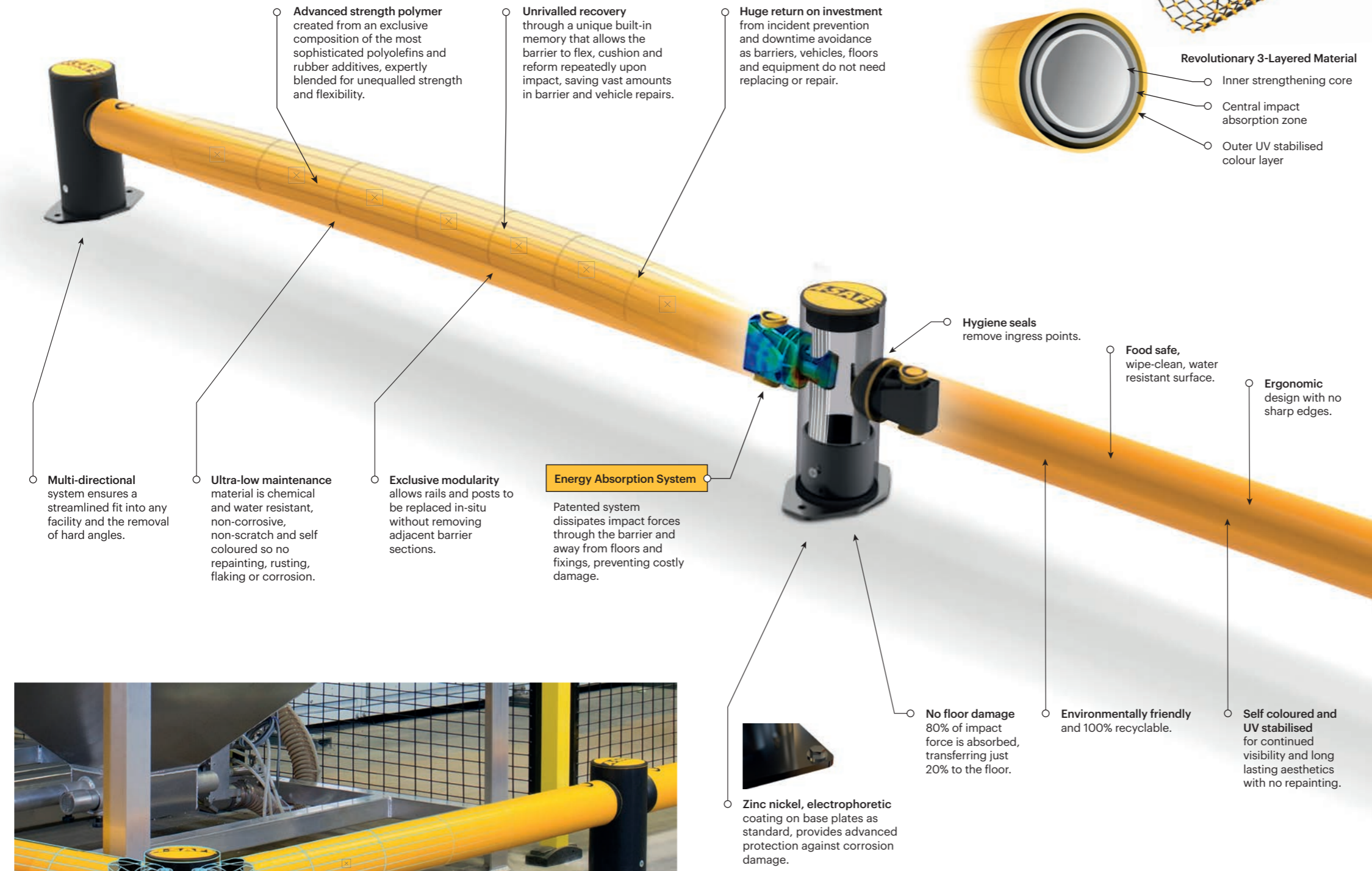
Such impacts can damage surfaces, materials and stock over time, degrading safety and causing equipment to break down.

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



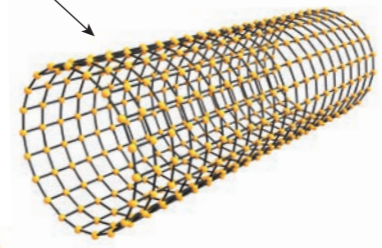
Engineered for performance

A-SAFE's state of the art products are meticulously engineered to deliver the highest performance. Designed, developed, tested and manufactured in-house at our cutting-edge facility, each unique component is carefully crafted and purpose-built to play a vital role in the product's performance.



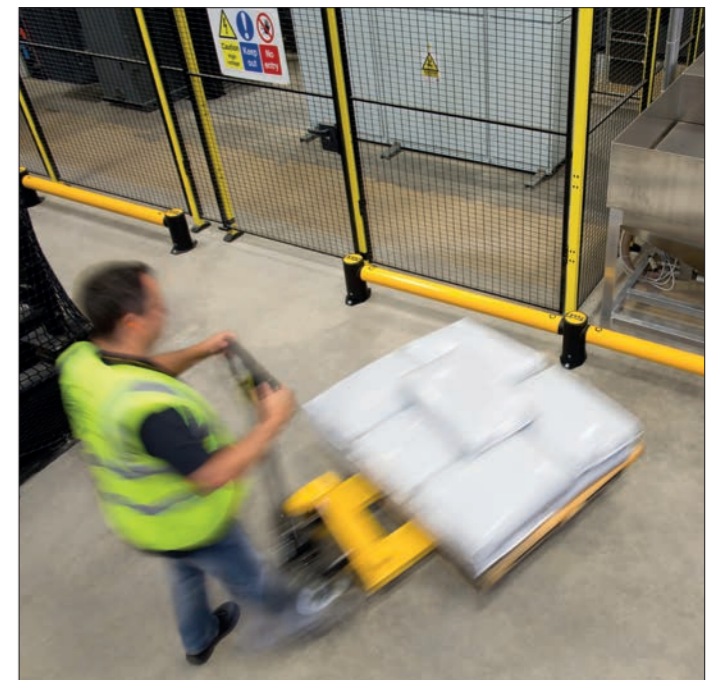
MEMAPLEX™

Patented 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



ADDITIONAL BASE OPTIONS

Countersunk Bolts Creates a flat surface, preventing tyre damage where vehicles are in close proximity.	Galvanised Steel Increased weather resistance for outdoor use and harsh climate environments.	Stainless Steel 316 Standard Ultimate performance option, no corrosion or rusting and resistant to powerful cleaning agents. Ideal for hygiene environments.	Stainless Steel 316 Countersunk