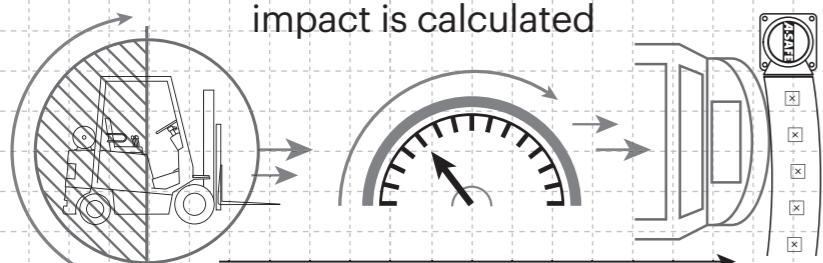


Technical Information

How the energy from a vehicle impact is calculated



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

Tested Impact Energy

6,500 Joules

Equivalent vehicle and speed

2.6 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)	4,550	6,500	12,000	26,450

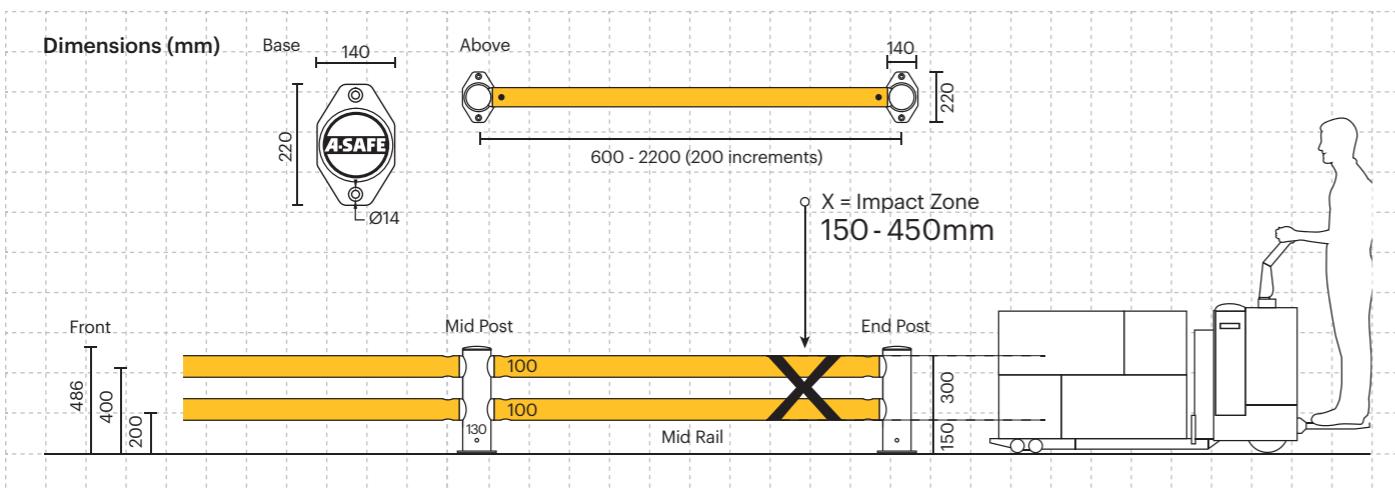
End Post Max Energy (Joules) - 90°	3,000
Mid Post Max Energy (Joules) - 90°	3,000

Deflection at Max Energy 390mm	Force to Bolt 6kN Post Ground
--------------------------------	-------------------------------------

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

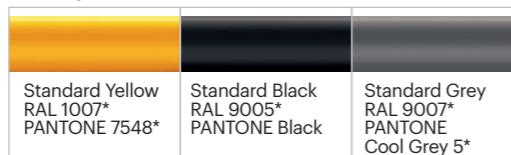
** Light stability scale 1 is very poor and 8 is excellent



Post Options



Rail Options



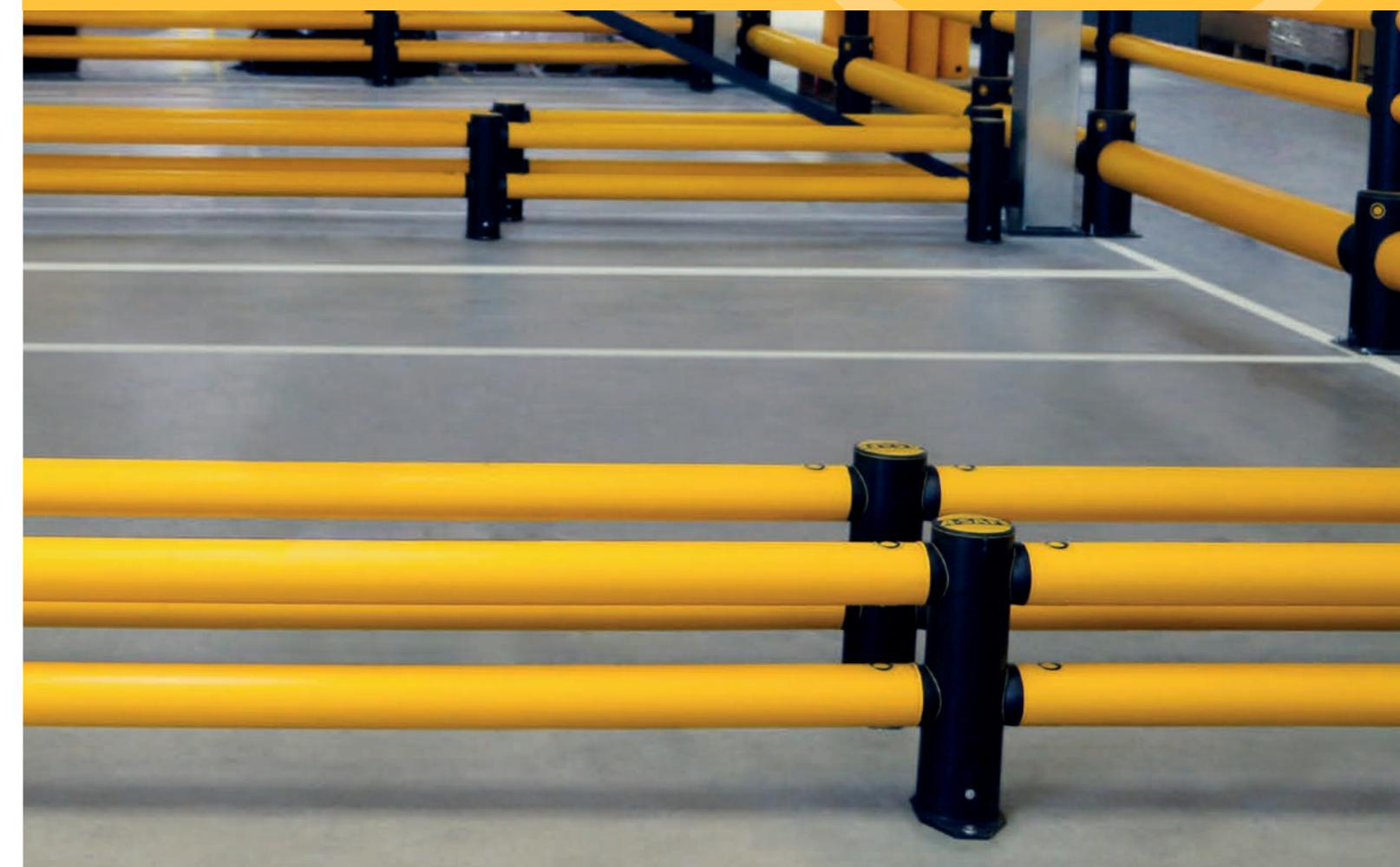
Colour Combinations

*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™

Double Traffic Barrier



Designed to safeguard walls, structures, goods and machinery from hand operated equipment as well as pedestrian operated powered pallet trucks.

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

The Double Rail increases the height and strength of the impact zone, providing greater resistance to impact forces and improved protection against wear-and-tear from frequent collisions.



Code of Practice for Workplace Safety Barriers

PAS13 2017

A-SAFE Headquarters

Habergham Works, Ainleys Industrial Estate, Elland, HX5 9JP, West Yorkshire, United Kingdom.

www.asafe.com



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.

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

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.

Multi-directional system ensures a streamlined fit into any facility 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.

Energy Absorption System Patented system dissipates impact forces through the barrier and away from floors and fixings, preventing costly damage.

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

Environmentally friendly and 100% recyclable.

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

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

Hygiene seals remove ingress points.

Food safe, wipe-clean, water resistant surface.

Ergonomic design with no sharp edges.

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

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

MEMAPLEX™

