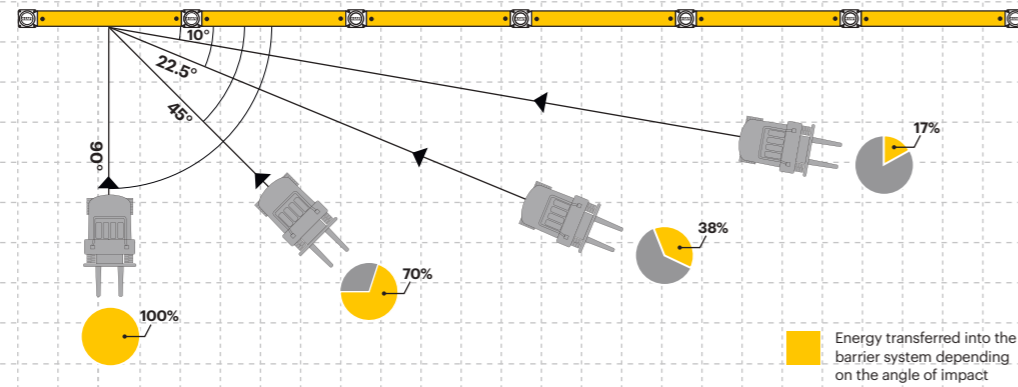


# Testing and Technical Information

Tested to the global benchmark in barrier safety

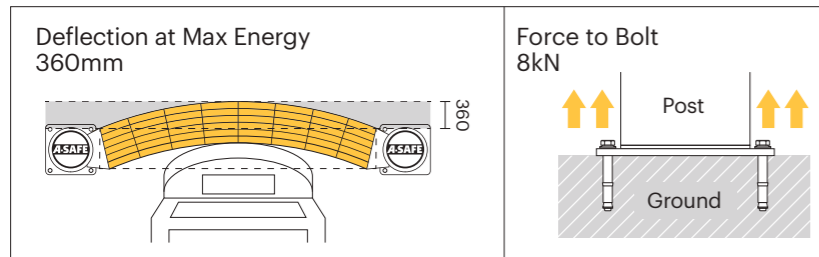
**bsi.**  
**PAS 13**  
Code of Practice for Workplace Safety Barriers

How energy (Joules) is transferred from a vehicle impact



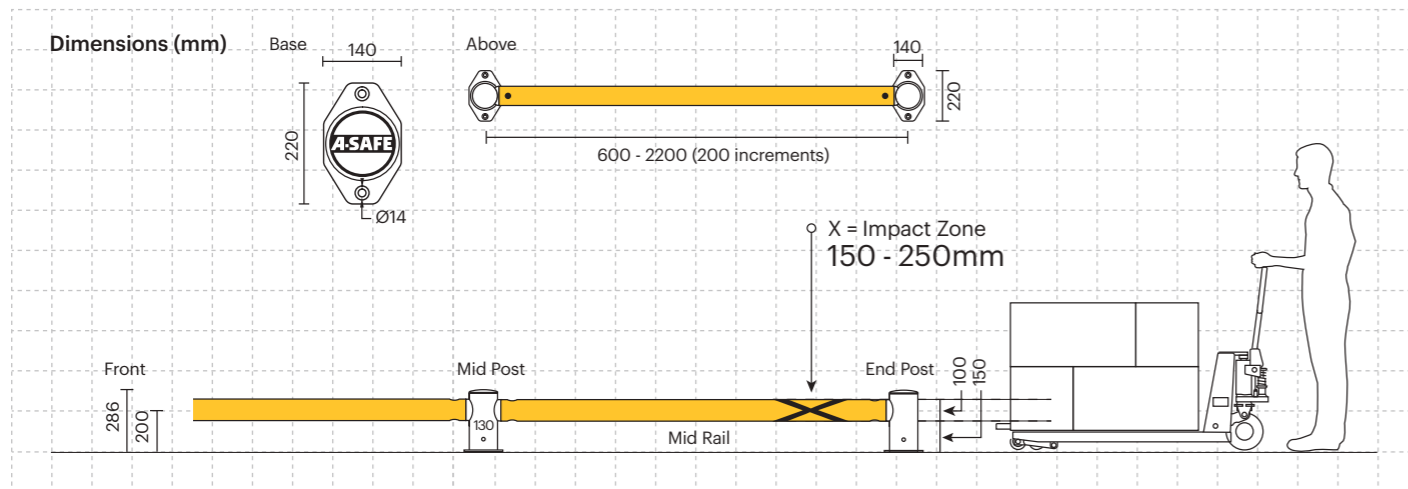
| Impact Test on 1500mm Post Centres | Max Vehicle Energy the barrier can withstand at the Impact Angle |       |       |        |
|------------------------------------|--|-------|-------|--------|
|                                    | 90°  | 45°   | 22.5° | 10°    |
| Mid Rail Max Energy (Joules)       | 2,700  | 3,850 | 7,100 | 15,650 |

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



| 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                      |

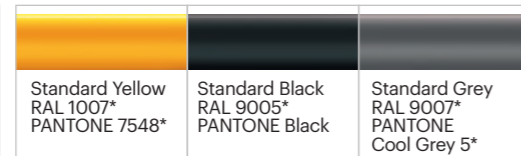
\* Weathering scale 1 is very poor and 5 is excellent  
\*\* Light stability scale 1 is very poor and 8 is excellent



## 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**



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.

Tested to the global benchmark in barrier safety

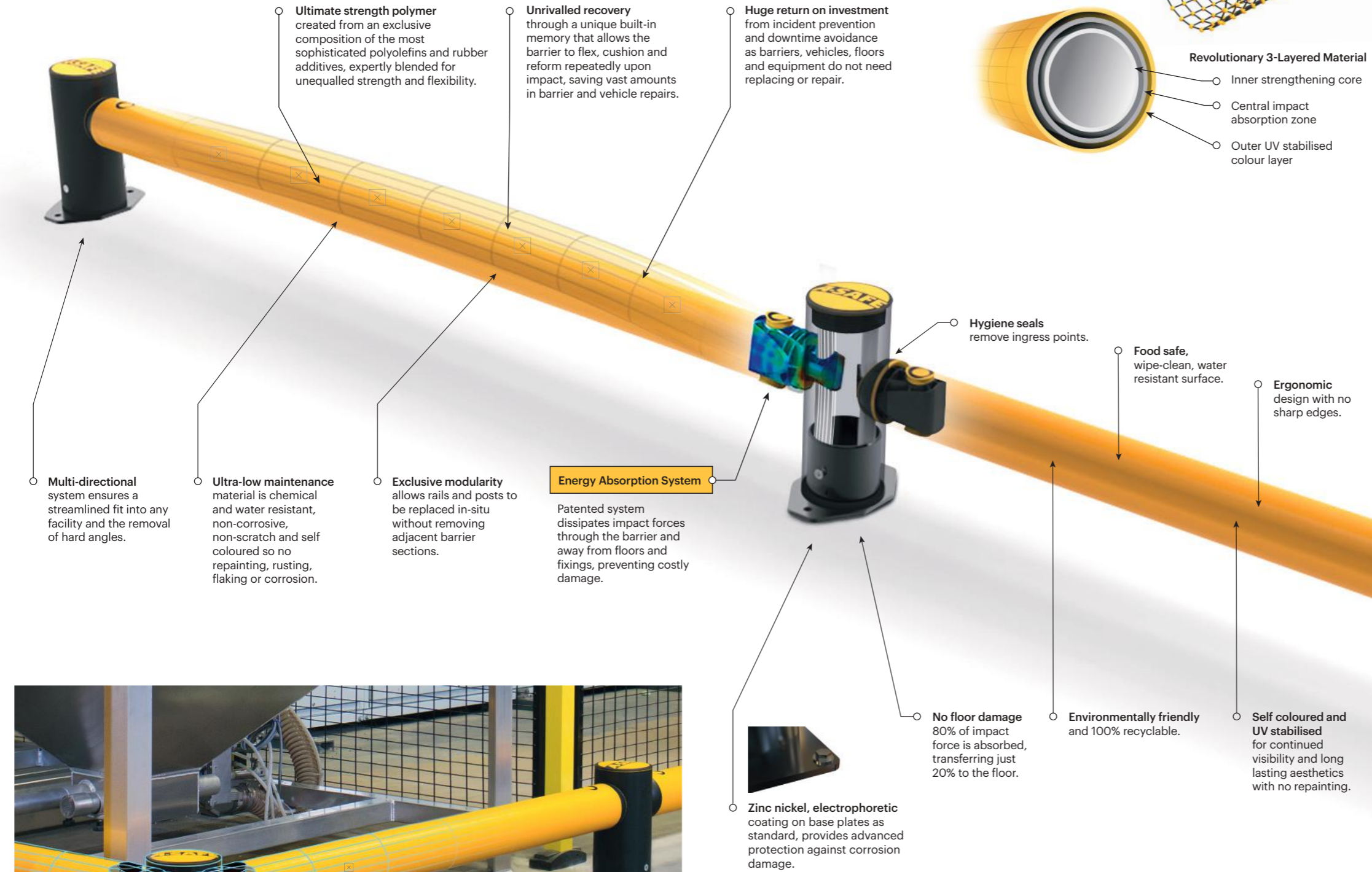
**bsi.** PAS 13  
Code of Practice for Workplace Safety Barriers





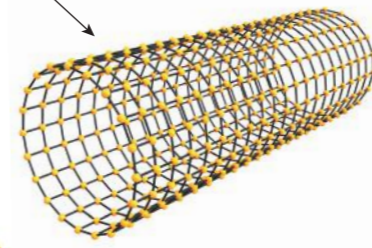
# Engineered for performance

Whether in the resilience, flexibility and in-built memory of our exclusive Memaplex™ material or the unrivalled energy absorption of our unique 3-phase coupling system, a wealth of technical ingenuity goes into every A-SAFE product to ensure that it performs perfectly every time you need it to. We are continuously innovating to solve the greatest workplace safety challenges on behalf of our customers and our numerous patents attest to our industry-leading commitment to research and development.



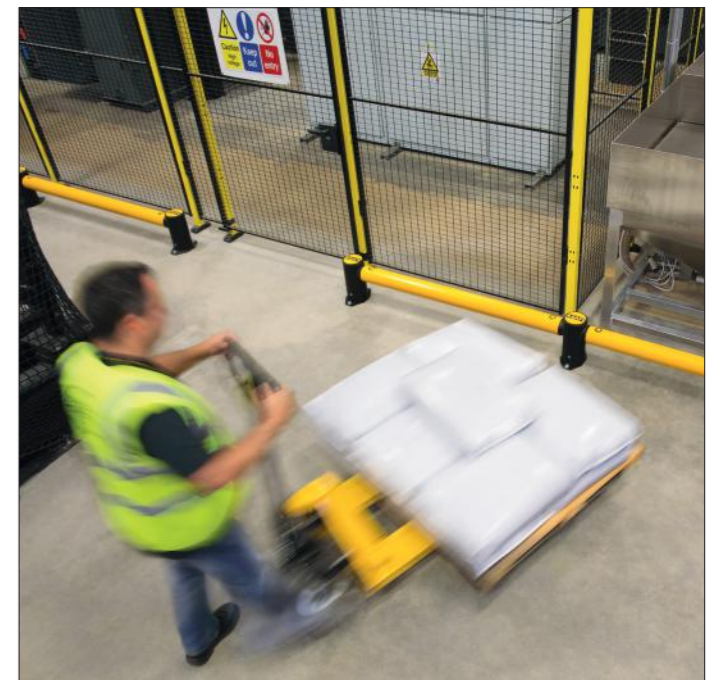
## MEMAPLEX™

**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

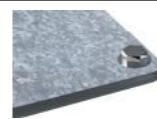


### ADDITIONAL BASE OPTIONS



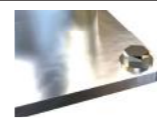
**Countersunk Bolts**

Creates a flat surface, preventing tyre damage where vehicles are in close proximity.



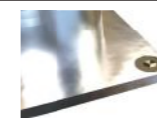
**Galvanised Steel**

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**