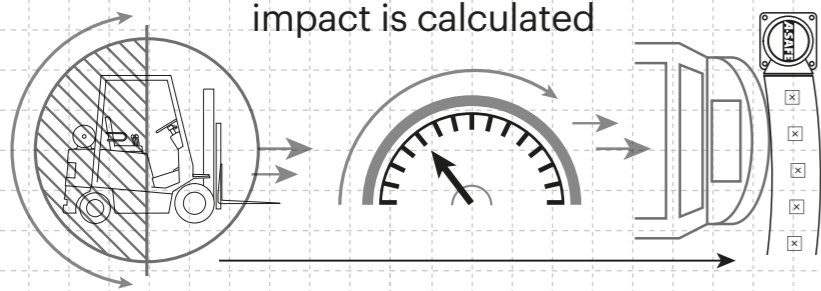



# Technical Information

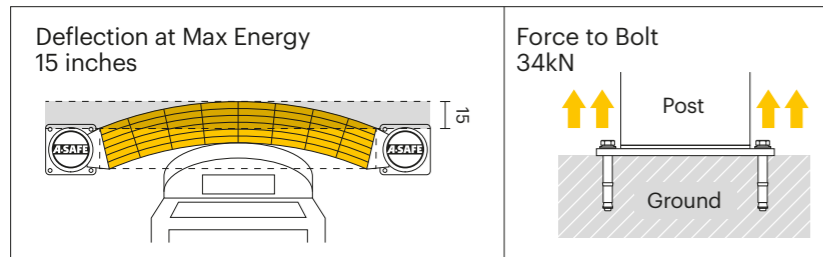
How the energy from a vehicle impact is calculated



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

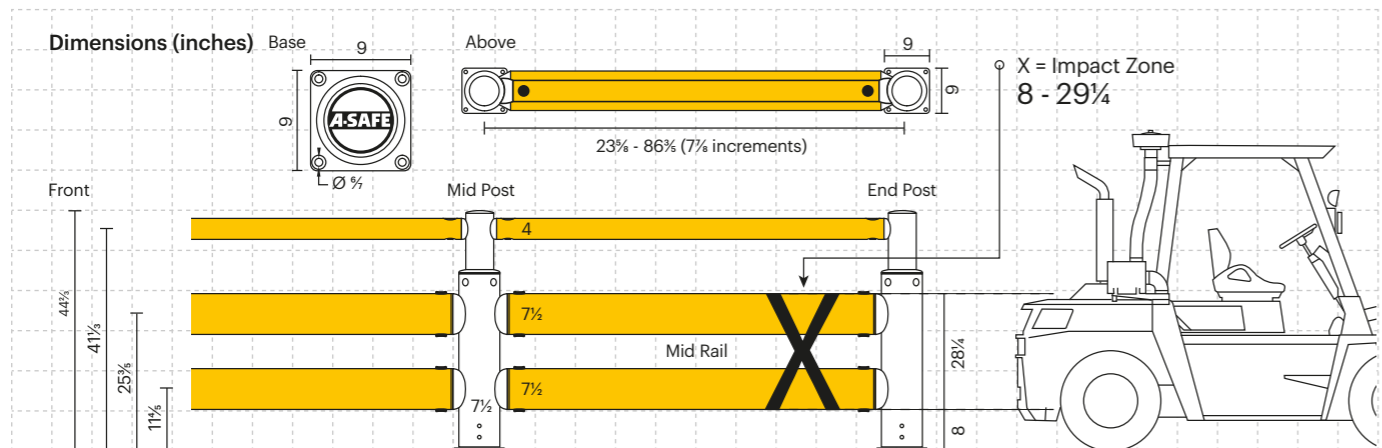
**Tested Impact Energy**  
**41,000 Joules**  
 Equivalent vehicle and speed  
 **X** **6 mph impact**  
 12.5 ton  
 Mid Rail 45° Impact on 78¼ Post Centers

Impact Test	Impact Angle on 78¼ Post Centers			
	90°	67.5°	45°	22.5°
Mid Rail Max Energy (Joules)	20,500	24,017	41,000	139,983
End Post Max Energy (Joules) - 90°	6,900			
Mid Post Max Energy (Joules) - 90°	6,900			



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

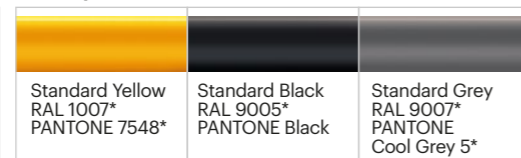
\* Weathering scale 1 is very poor and 5 is excellent  
 \*\* Light stability scale 1 is very poor and 8 is excellent



### Post Options



### Rail Options



### 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.



iFlex™

Double Traffic Guardrail+

# A-SAFE



Designed to protect people from injury, and safeguard buildings and equipment from damage both inside and out.

The Double Rail provides maximum resistance and protection from straying vehicles in high-impact areas. This heavy duty, dual-function guardrail separates and guides pedestrians and drivers, whilst also physically defending against heavyweight forces, preventing incidents and accidents.

Ideal for high traffic environments where people and larger mass vehicles intermix.

Tested to the global benchmark in guardrail safety

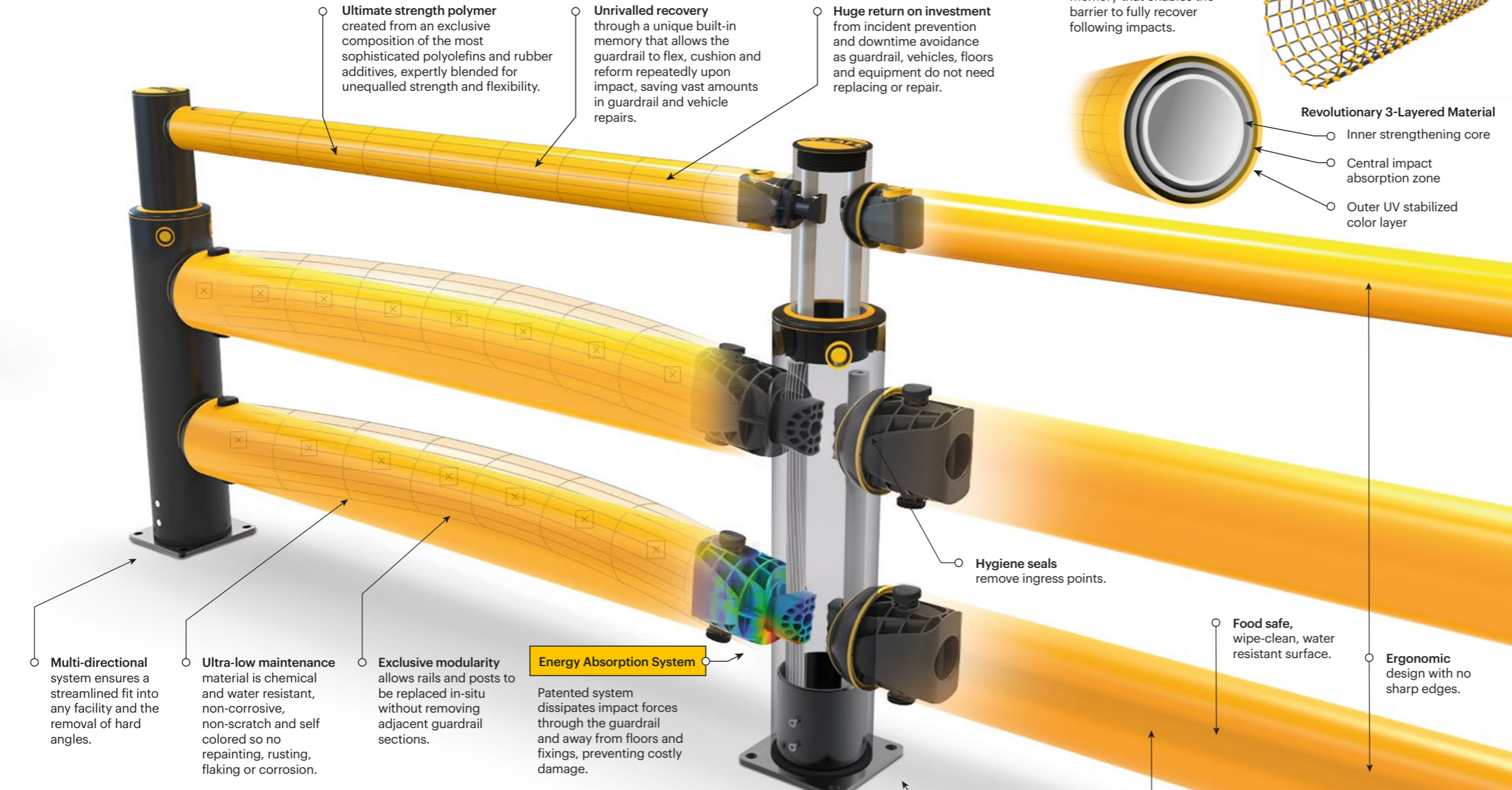
**bsi. PAS 13**  
Code of Practice for Workplace Safety Guardrails





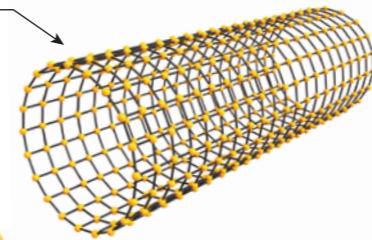
# Engineered for performance

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 stabilized color layer



### ADDITIONAL BASE OPTIONS

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

## Energy Absorption System

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

