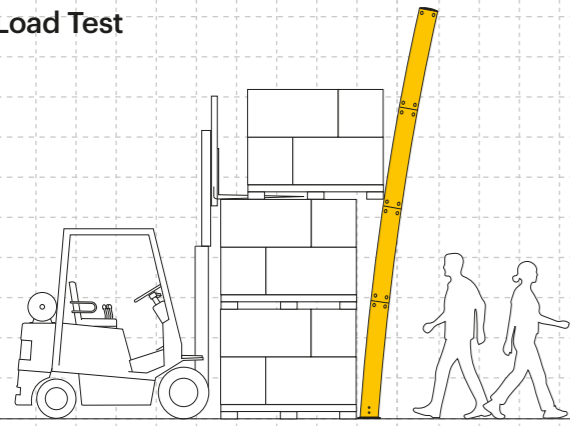


# Technical Information

## Load Test



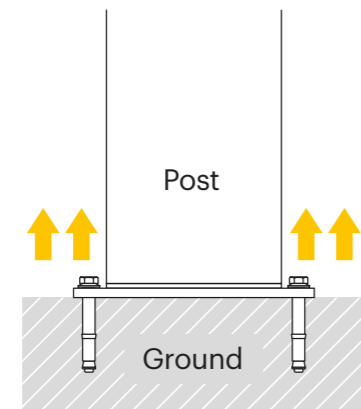
**400kg Horizontal Point Load**

**1000kg Horizontal Distributed Load**

## Impact Test

End Post Max Energy (Joules) - 90°	6,900
Mid Post Max Energy (Joules) - 90°	6,900

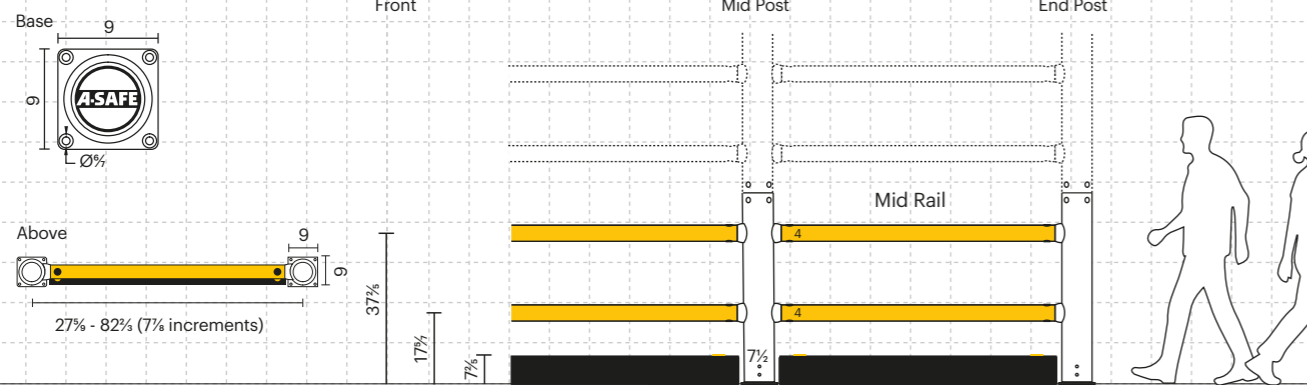
## Force to Bolt 33kN



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	No

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

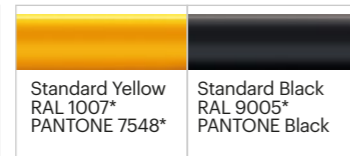
## Dimensions (inches)



## 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™**

**Topple Guardrail**

# A-SAFE



Designed to segregate pedestrians and protect them from the danger of toppling bulk goods, the iFlex Topple Guardrail is a robust solution that offers excellent levels of protection in multiple height variations.

This fully modular system can be tailored to suit both high and low-level storage areas, while the proven fork-impact protection of the eFlex ForkGuard is included as standard.

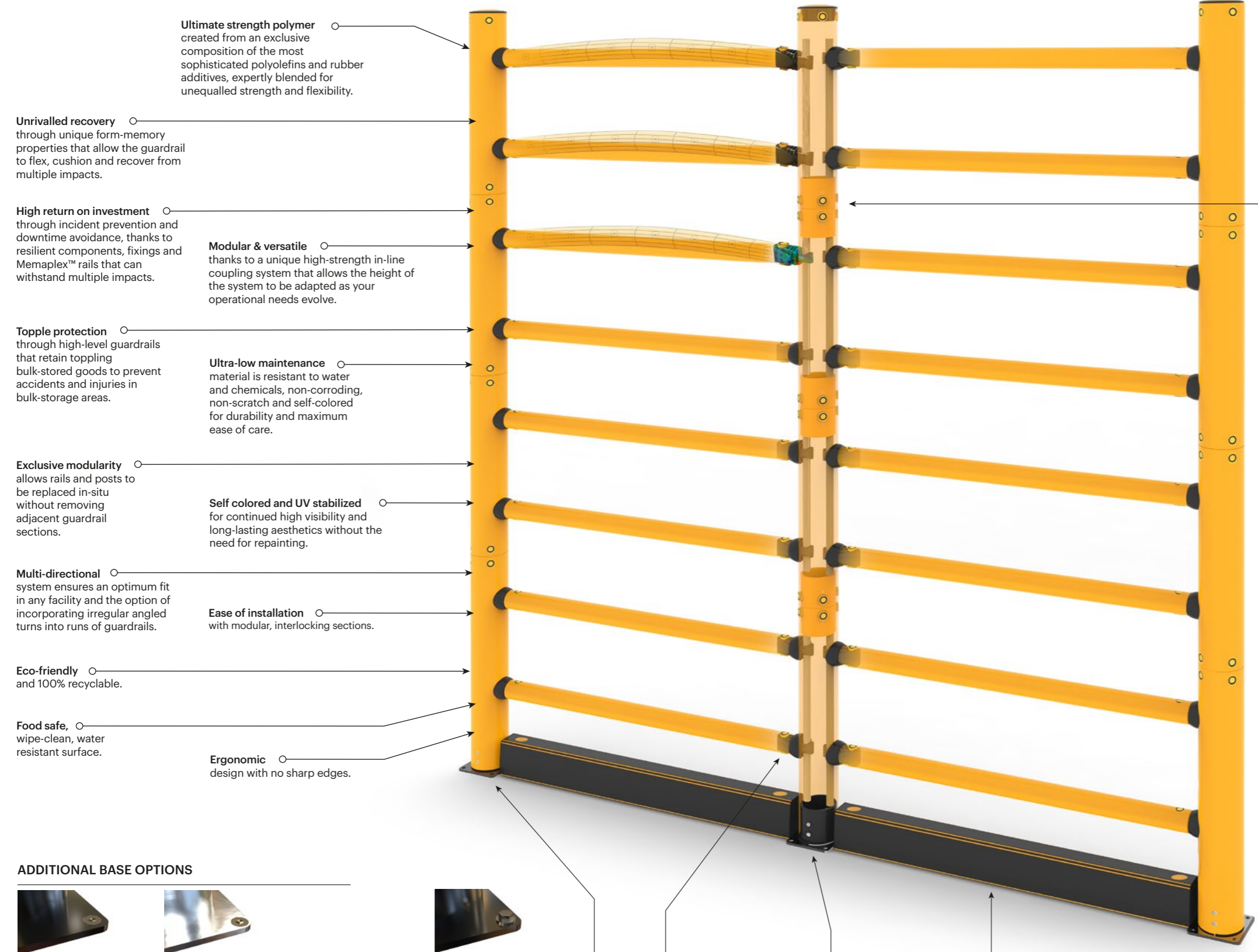
Tested to the global benchmark in guardrail safety

**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.



**Ultimate 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 unique form-memory properties that allow the guardrail to flex, cushion and recover from multiple impacts.

**High return on investment**  
through incident prevention and downtime avoidance, thanks to resilient components, fixings and Memaplex™ rails that can withstand multiple impacts.

**Modular & versatile**  
thanks to a unique high-strength in-line coupling system that allows the height of the system to be adapted as your operational needs evolve.

**Topple protection**  
through high-level guardrails that retain toppling bulk-stored goods to prevent accidents and injuries in bulk-storage areas.

**Ultra-low maintenance**  
material is resistant to water and chemicals, non-corroding, non-scratch and self-colored for durability and maximum ease of care.

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

**Self colored and UV stabilized**  
for continued high visibility and long-lasting aesthetics without the need for repainting.

**Multi-directional**  
system ensures an optimum fit in any facility and the option of incorporating irregular angled turns into runs of guardrails.

**Ease of installation**  
with modular, interlocking sections.

**Eco-friendly**  
and 100% recyclable.

**Food safe,**  
wipe-clean, water resistant surface.

**Ergonomic**  
design with no sharp edges.

## ADDITIONAL BASE OPTIONS



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

**Stainless Steel 316 Countersunk**  
Ultimate performance option, no corrosion or rusting and resistant to powerful cleaning agents. Ideal for hygiene environments.



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

## Energy Absorption System

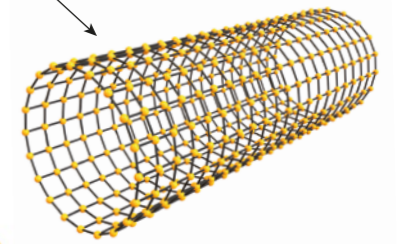
Patented system dissipates impact forces through the guardrail and away from floors and fixings, preventing costly damage.

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

**eFlex ForkGuard**  
included as standard to protect walls, stored goods and pedestrians from damage or injury as a result of fork impacts.

## 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



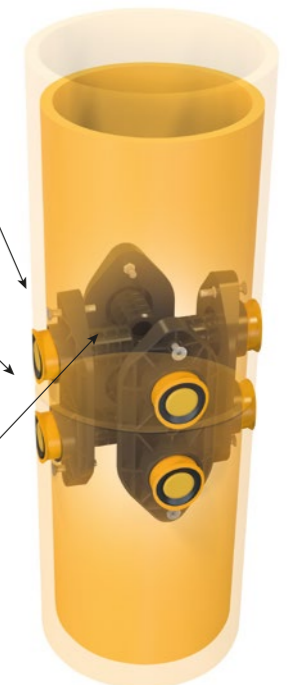
## In-line coupling for a complete modular solution

The iFlex in-line coupling introduces a new level of modularity to the A-SAFE range of high-performance guardrail products. Fully PAS 13 compliant, this robust solution makes it possible to construct topple guardrails ranging in height from 2200mm to 5200mm by simply adding the required number of additional rail modules to a universal base unit.

**Four pin positioning**  
to adjacent sections gives increased rigidity and stability.

**Seamless join**  
on external edges gives a continuous flush finish along the length.

**Moulded pins**  
lock securely into the internal layer with a quarter turn.



## Configurations

