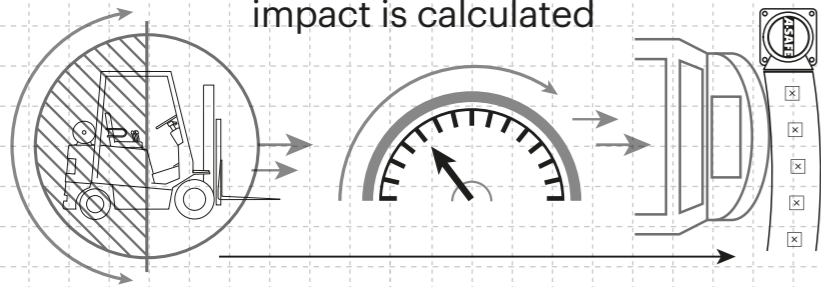


Technical Information

How the energy from a vehicle impact is calculated

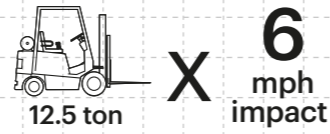


$$\frac{1}{2} \text{ Mass} \times \text{Speed}^2 = \text{Joules}$$

Tested Impact Energy

41,000 Joules

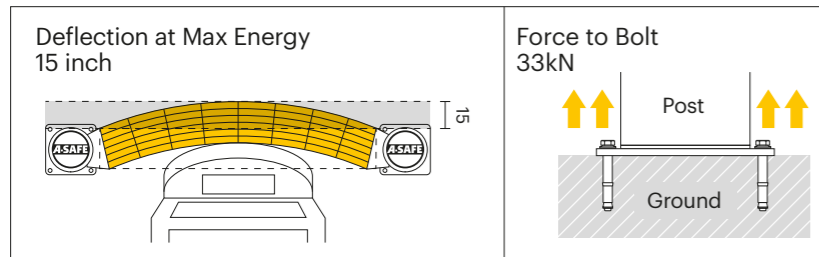
Equivalent vehicle and speed



Mid Rail 45° Impact on 86 3/8 inch Post Centers

Impact Test	Impact Angle on 86 3/8 inch Post Centers			
	90°	67.5°	45°	22.5°
Mid Rail Max Energy (Joules)	20,500	24,017	41,000	139,983

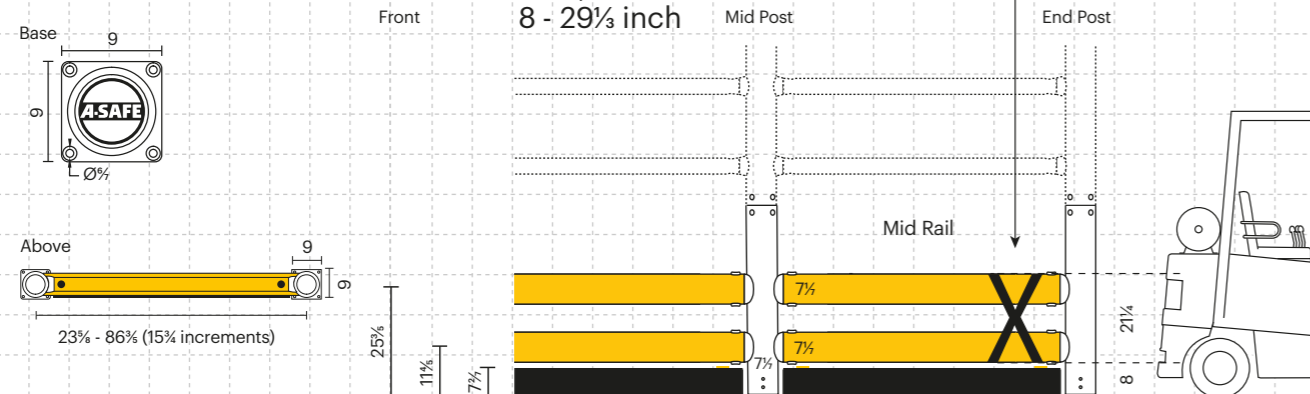
End Post Max Energy (Joules) - 90°	6,900
Mid Post Max Energy (Joules) - 90°	6,900



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	No

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

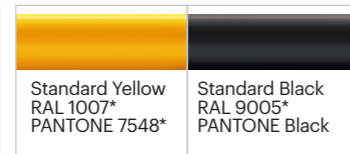
Dimensions (inches)



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™

Heavy Duty Topple Guardrail

A-SAFE



Designed to segregate pedestrians and protect them from vehicles and the danger of toppling bulk goods, the iFlex Heavy Duty Topple Guardrail is a robust, impact resisting guardrail that offers supreme safety 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.

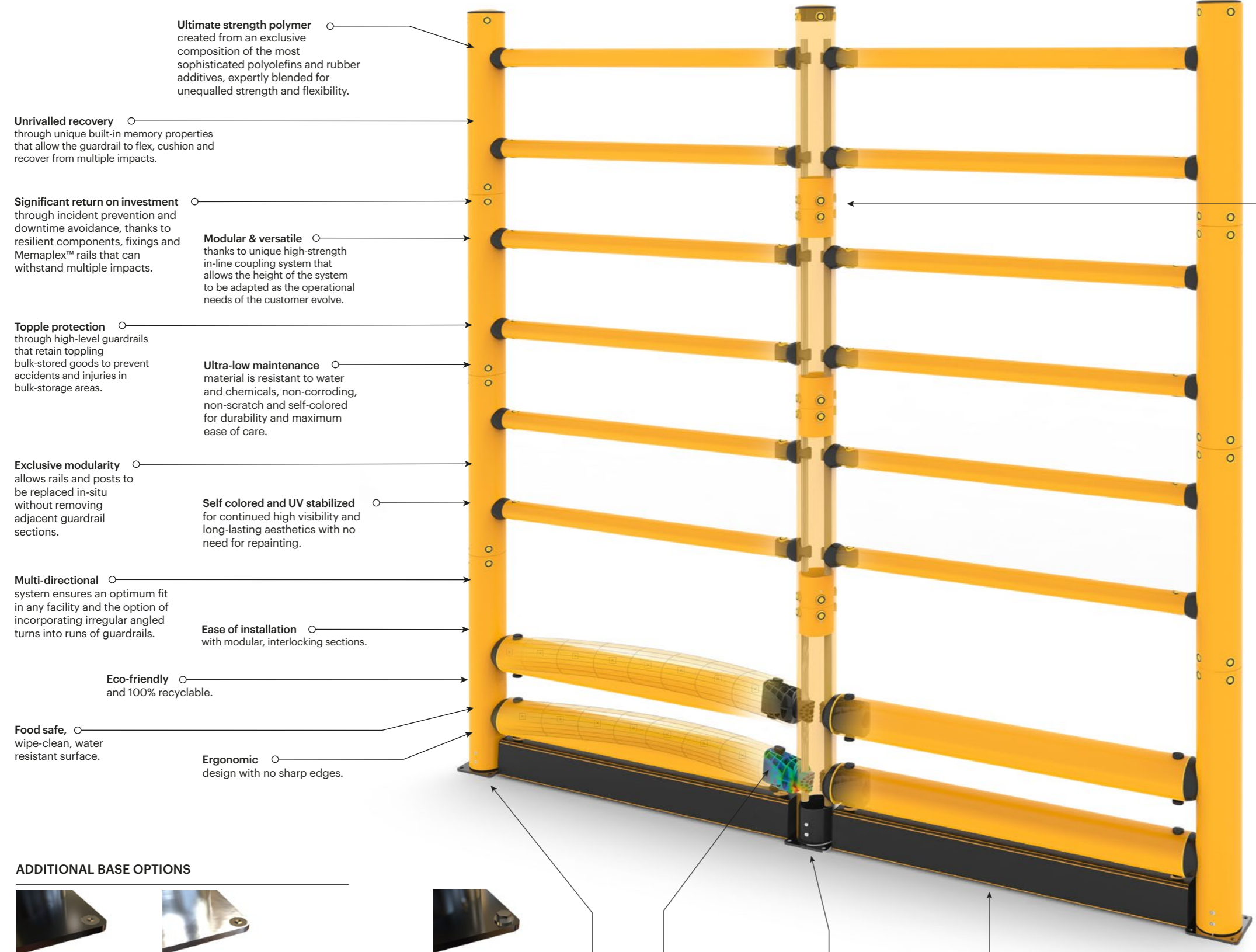
Tested to the global benchmark in guardrail safety

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 built-in memory properties that allow the guardrail to flex, cushion and recover from multiple impacts.

Significant 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 unique high-strength in-line coupling system that allows the height of the system to be adapted as the operational needs of the customer 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 with no 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

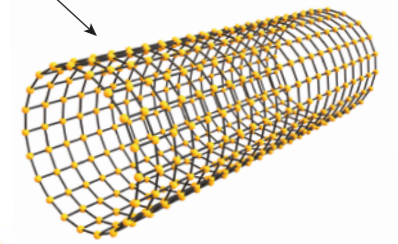
Patented system dissipates impact forces through the guardrail and away from floors and fixings, preventing costly damage.

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



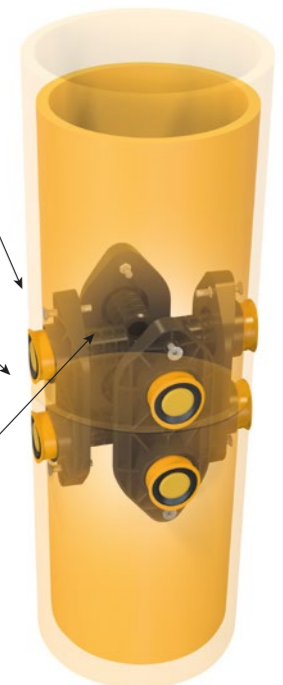
In-line coupling for a fully modular solution

A unique 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.

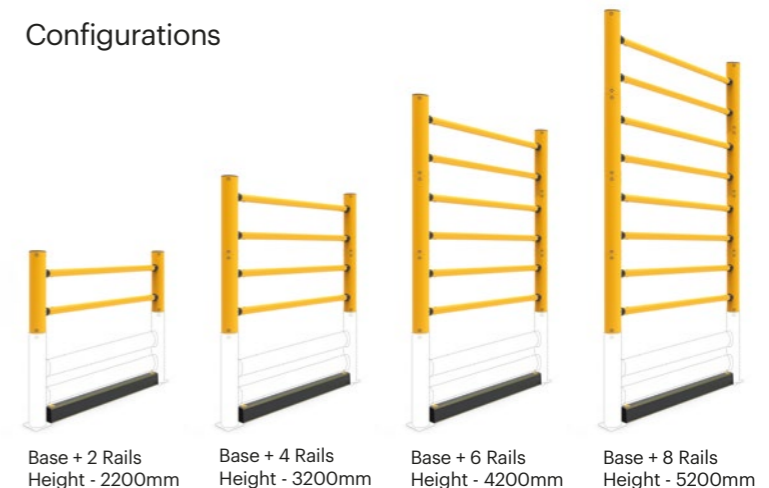
Four pin positioning to adjacent sections gives increased rigidity and stability.

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



Base + 2 Rails
Height - 2200mm

Base + 4 Rails
Height - 3200mm

Base + 6 Rails
Height - 4200mm

Base + 8 Rails
Height - 5200mm