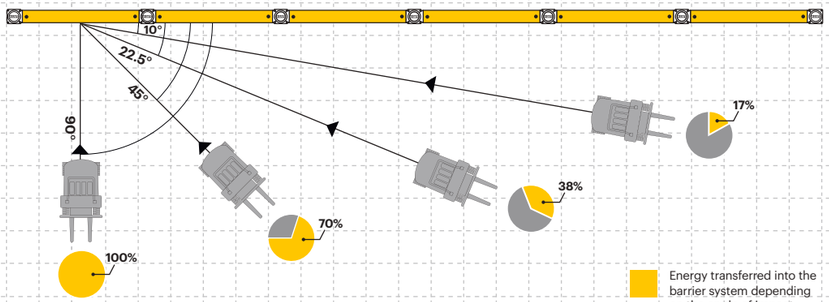
Testing and Technical Information

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

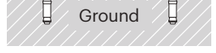


Impact Test on 2000mm Post Centres	Max Vehicle Energy the barrier can withstand at the Impact Angle			
	90°	45°	22.5°	10°
Mid Rail Max Energy (Joules)	20,500	28,950	53,550	118,000

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

Deflection at Max Energy
380mm

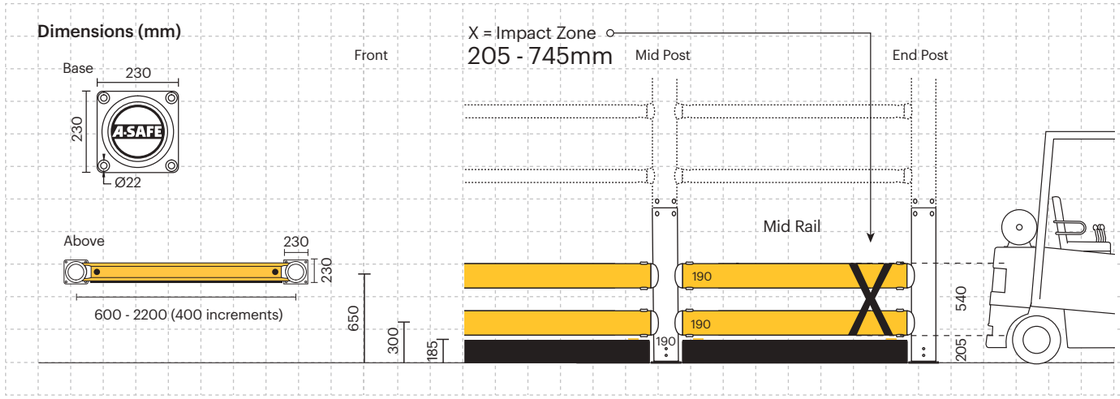
Force to Bolt
33kN



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	No

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

Dimensions (mm)



Post Options

Standard Black
RAL 9005*
PANTONE Black

Standard Yellow
RAL 1007*
PANTONE 7548*

Rail Options

Standard Yellow
RAL 1007*
PANTONE 7548*

Standard Black
RAL 9005*
PANTONE Black

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.

A-SAFE™

iFlex™

Heavy Duty Topple Barrier

Designed to segregate pedestrians and protect them from vehicles and the danger of toppling bulk goods, the iFlex Heavy Duty Topple Barrier is a robust, impact resisting barrier 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.

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www.asafe.com

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 barrier 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 barriers 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-coloured for durability and maximum ease of care.

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

Self coloured and UV stabilised 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 barriers.

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.

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

Energy Absorption System

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

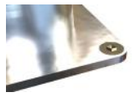
No floor damage 80% of impact force is absorbed, transferring just 20% to the floor.

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

ADDITIONAL BASE OPTIONS

Countersunk Bolts

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

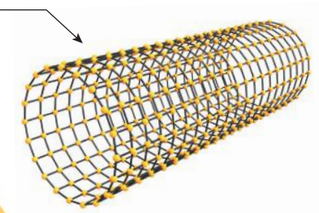


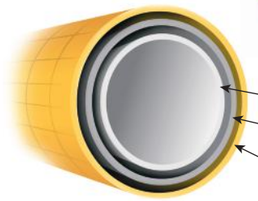
Stainless Steel 316 Countersunk

Ultimate performance option, no corrosion or rusting and resistant to powerful cleaning agents. Ideal for hygiene environments.

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

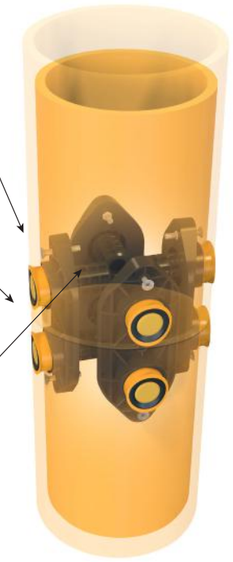
In-line coupling for a fully modular solution

A unique iFlex in-line coupling introduces a new level of modularity to the A-SAFE range of high-performance barrier products. Fully PAS-13 compliant, this robust solution makes it possible to construct topple barriers 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