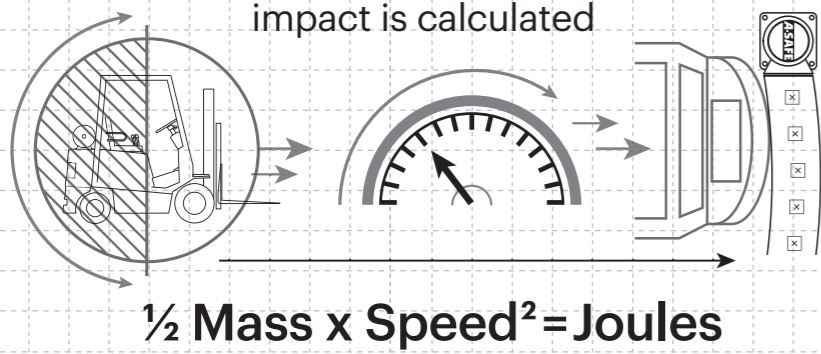


Technical Information

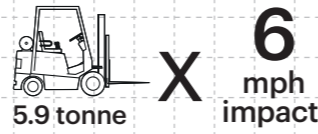
How the energy from a vehicle impact is calculated



Tested Impact Energy

21,350 Joules

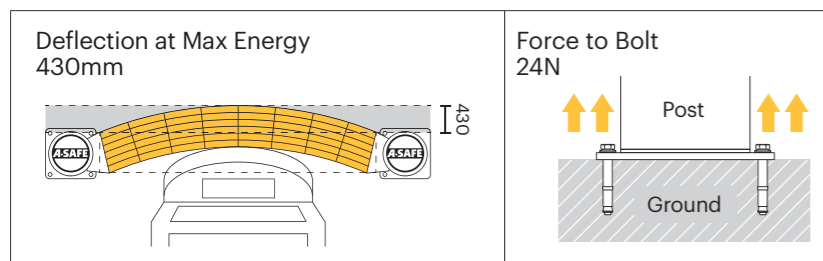
Equivalent vehicle and speed



Mid Rail 45° Impact on 2000mm Post Centres

Impact Test	Impact Angle on 2000mm Post Centres			
	90°	45°	22.5°	10°
Mid Rail Max Energy (Joules)	15,100	21,350	39,450	86,950

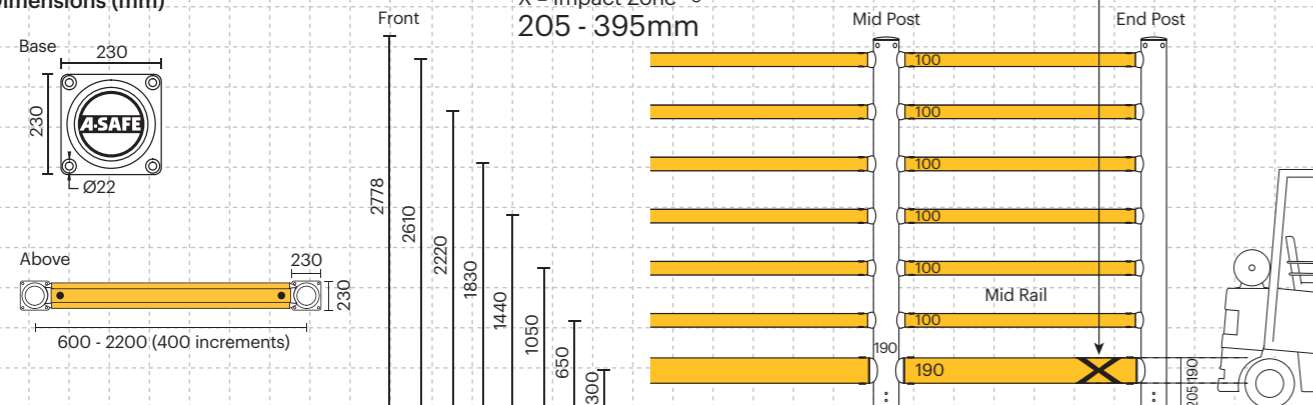
End Post Max Energy (Joules) - 90°	6,900
Mid Post Max Energy (Joules) - 90°	6,900



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

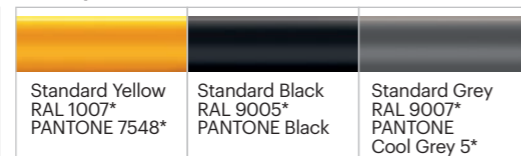
Dimensions (mm)



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.

A-SAFE Headquarters

Habergham Works, Ainleys Industrial Estate, Elland, HX5 9JP, West Yorkshire, United Kingdom.

www.asafe.com



iFlex™

High Level Single Traffic Barrier + 6 Rail

A-SAFE

Est. 1984



Designed to safeguard pedestrians, buildings and equipment from floor to height both inside and out.

The addition of a Traffic Rail at the base provides greater resistance to vehicle impacts. The energy-absorbing high level barrier protects from the lowest to the highest level, separating traffic, shielding people and property, and preventing the dangerous toppling of stacked goods.

Ideal for high-storage areas with high traffic movement.



Code of Practice for Workplace Safety Barriers

PAS13
2017

Engineered for performance

A-SAFE's state of the art products are meticulously engineered to deliver the highest performance. Designed, developed, tested and manufactured in-house at our cutting-edge facility, each unique component is carefully crafted and purpose-built to play a vital role in the product's performance.

Topple protection from increased height prevents accident and injury in stacked storage zones.

Advanced 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 a unique built-in memory that allows the barrier to flex, cushion and reform repeatedly upon impact, saving vast amounts in barrier and vehicle repairs.

Huge return on investment from incident prevention and downtime avoidance as barriers, vehicles, floors and equipment do not need replacing or repair.

Ultra-low maintenance material is chemical and water resistant, non-corrosive, non-scratch and self coloured so no repainting, rusting, flaking or corrosion.

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

Multi-directional system ensures a streamlined fit into any facility and the removal of hard angles.

Hygiene seals remove ingress points.

Ergonomic design with no sharp edges.

Food safe, wipe-clean, water resistant surface.

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.

Environmentally friendly and 100% recyclable.

Self coloured and UV stabilised for continued visibility and long lasting aesthetics with no repainting.

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

MEMAPLEX™

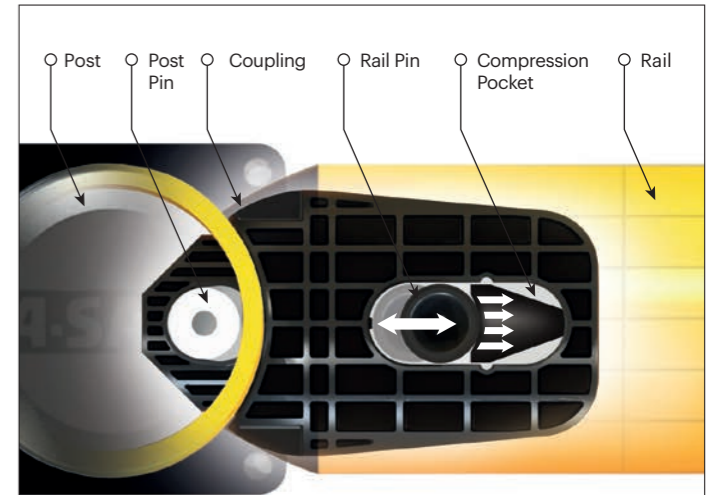
Patented Engineering
Molecular reorientation during manufacturing creates a unique built-in memory that enables the barrier to fully recover following impacts.

Revolutionary 3-Layered Material

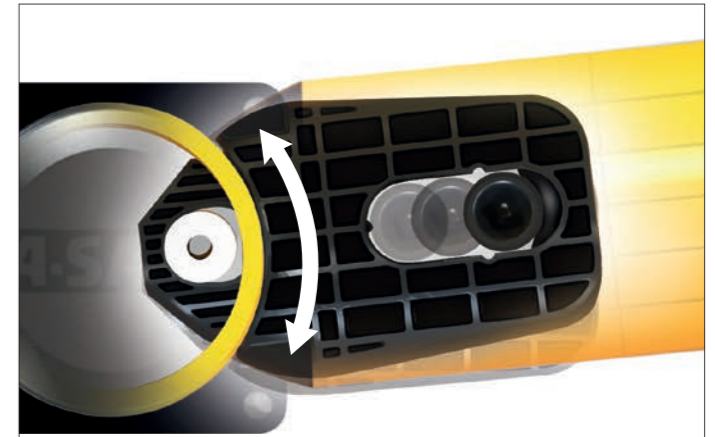
- Inner strengthening core
- Central impact absorption zone
- Outer UV stabilised colour layer

Energy Absorption System

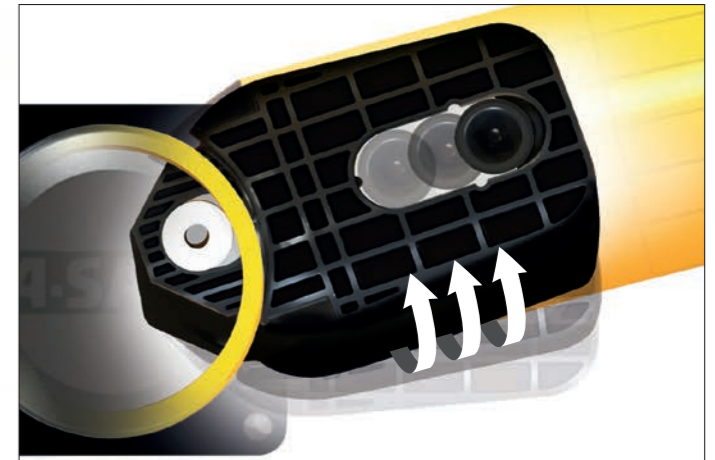
A patented 3-phase system that activates sequentially for unparalleled energy absorption



PHASE 1: Memaplex™ rail flexes to absorb impact, initiating the rail pin to slide forward and transfer load energy to the compression pocket.



PHASE 2: Compression of the pocket continues to disperse energy as the coupling rotates around the post pin to activate further absorption.



PHASE 3: At peak energy, the coupling twists further, engaging the post pin and instigating torsion of the post to dispel remaining forces.