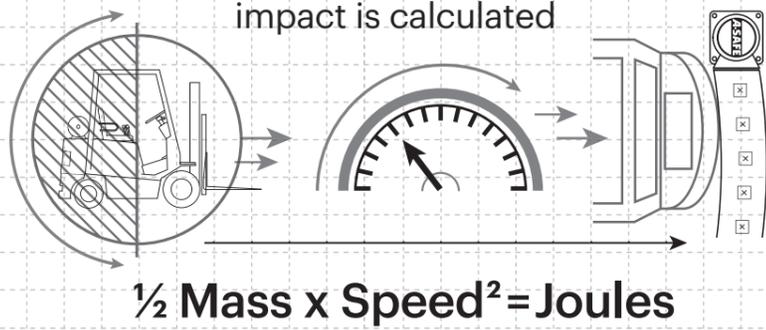


# Technical Information

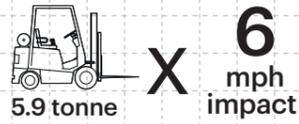
How the energy from a vehicle impact is calculated



Tested Impact Energy

**21,350 Joules**

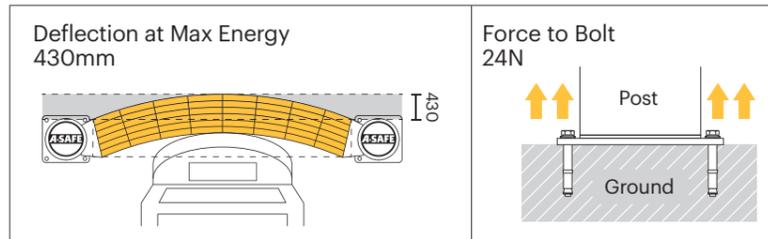
Equivalent vehicle and speed



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

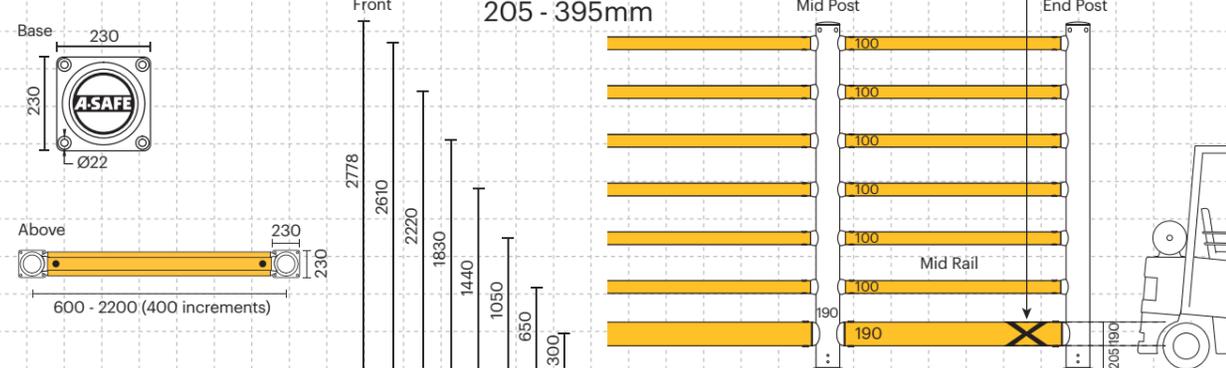
End Post Max Energy (Joules) - 90°	6,900
Mid Post Max Energy (Joules) - 90°	6,900



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

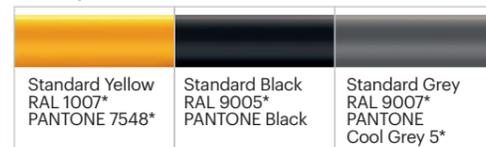
### Dimensions (mm)



### 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.



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.

**ADDITIONAL BASE OPTIONS**

<b>Countersunk Bolts</b> Creates a flat surface, preventing tyre damage where vehicles are in close proximity.	<b>Galvanised 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**  
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.

## MEMAPLEX™

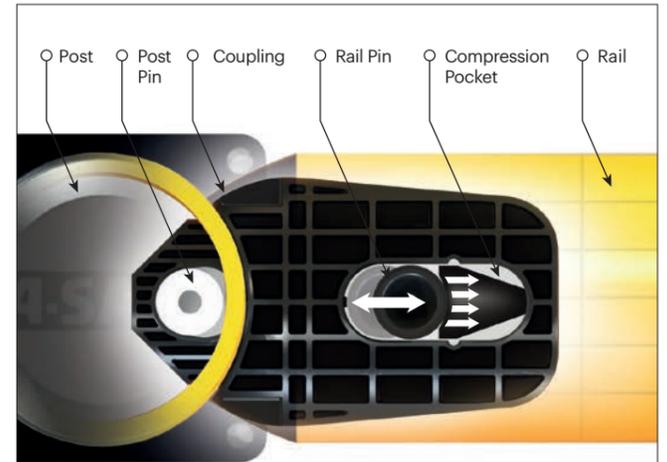
**Patented Engineering**  
Molecular reorientation during manufacturing creates a unique built-in memory that enables the barrier to fully recover following impacts.

**Revolutionary 3-Layered Material**

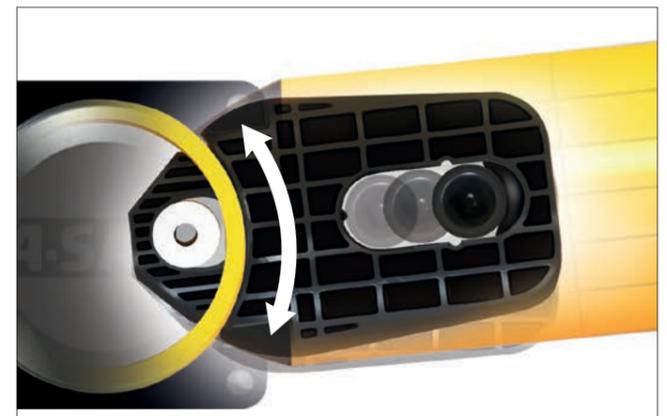
- Inner strengthening core
- Central impact absorption zone
- Outer UV stabilised colour layer

## Energy Absorption System

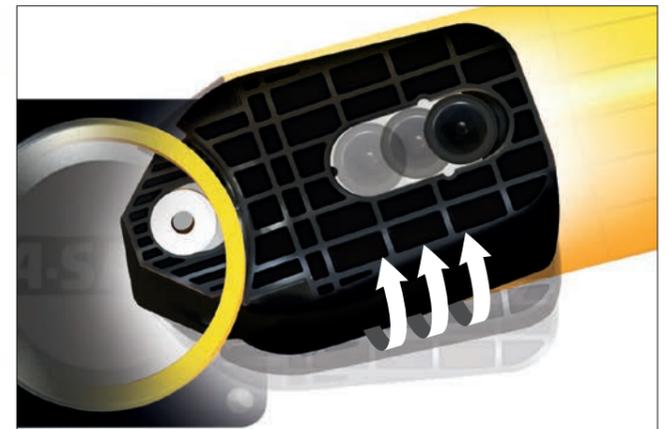
A patented 3-phase system that activates sequentially for unparalleled energy absorption



**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.