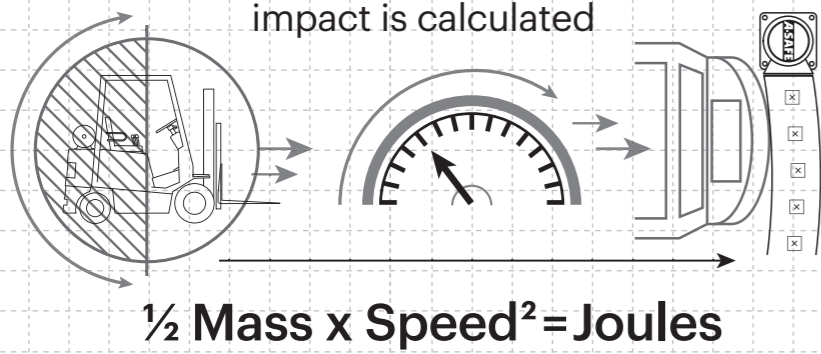


Technical Information

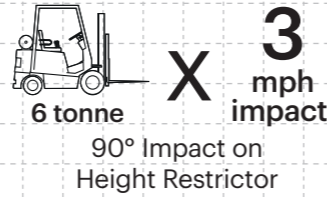
How the energy from a vehicle impact is calculated



Tested Impact Energy

5,400 Joules

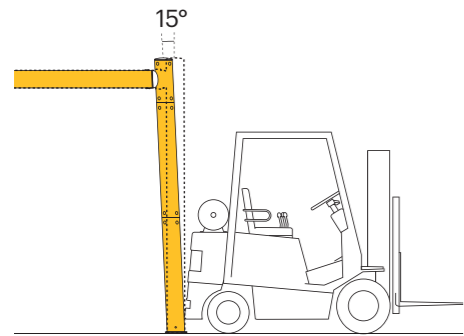
Equivalent vehicle and speed



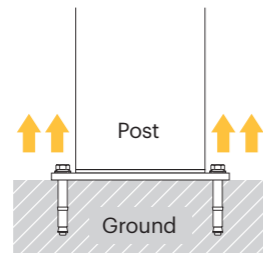
Impact Test

Max Energy (Joules) at 90° **5,400**

Deflection at Max Energy
15° Lean



Force to Bolt
24kN



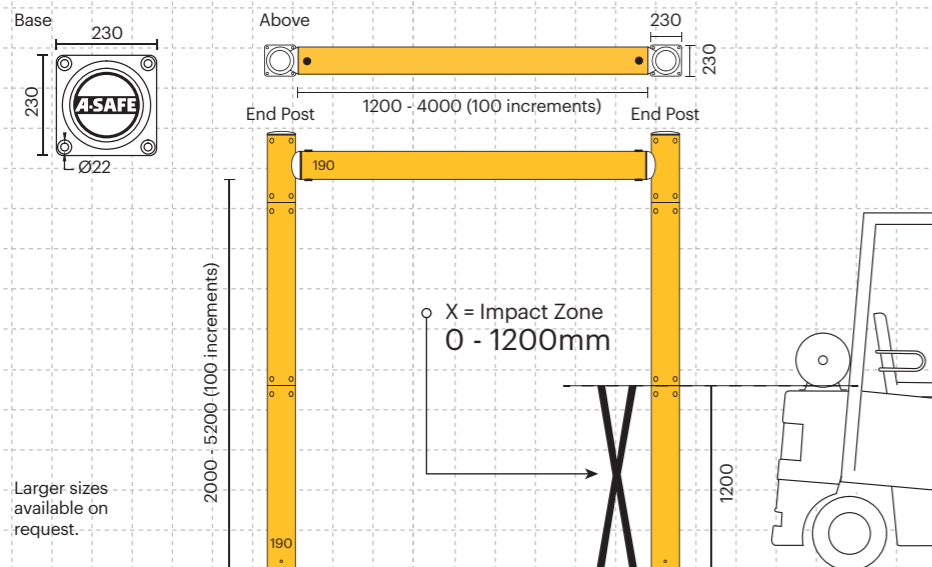
Material Properties

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)



Colour



*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™

Height Restrictor

A-SAFE

Est. 1984



Designed to protect the edges of doorways and prevent high level damage from vehicle impacts.

Height restrictors offer guidance and physical protection from both side and height collisions, protecting infrastructure. They stop vehicles and loads from making contact with doorway edges and roller shutter door channels, preventing costly damage.

Where there is a risk of collision with overhead pipe bridges, cable trays, air or gas supply lines, or ventilation ducts; Height Restrictors will prevent disruptive and expensive damage as well as warning a vehicle driver that his vehicle or load is too high.



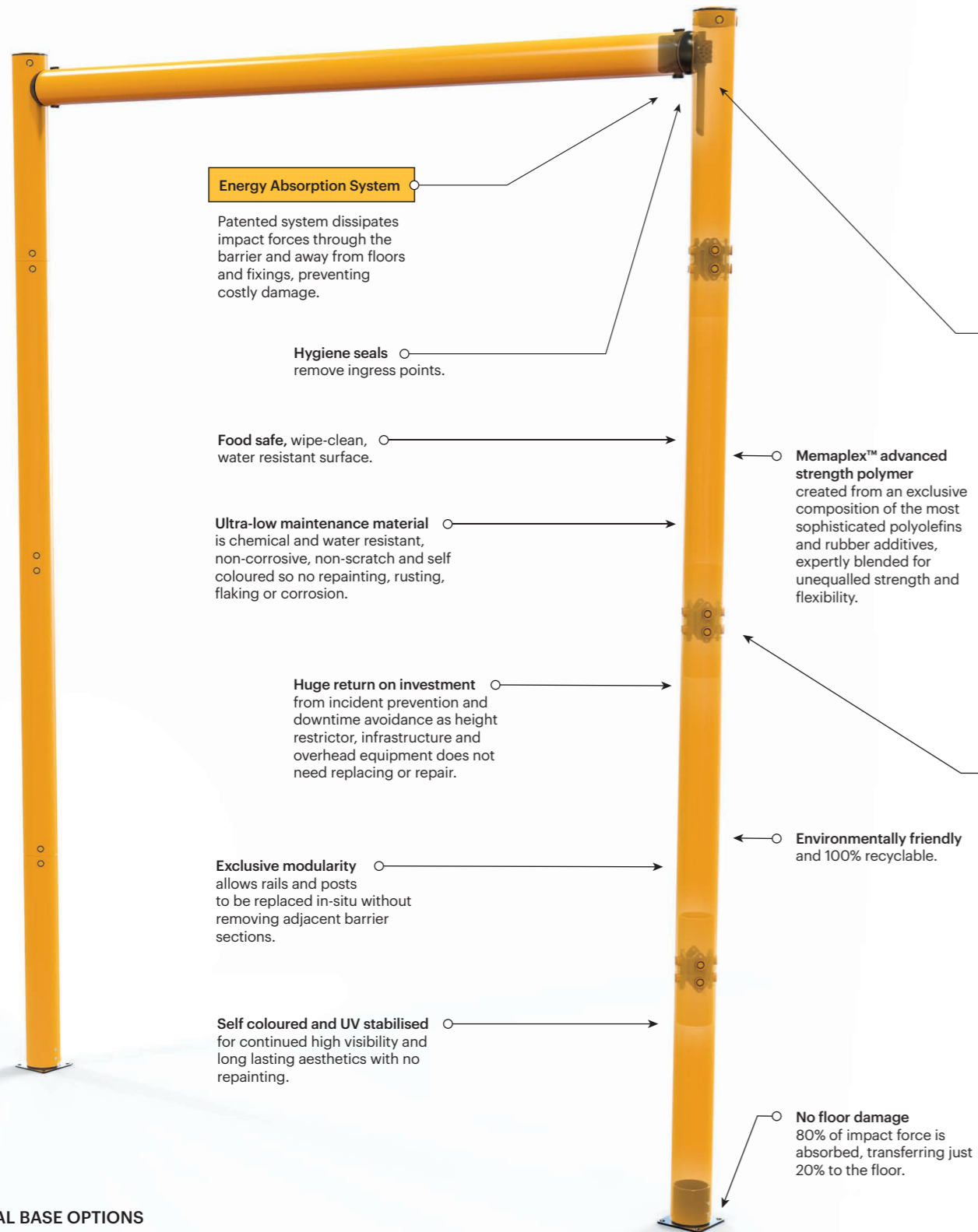
Code of Practice
for Workplace
Safety Barriers

PAS13



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.



Energy Absorption System

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

Hygiene seals remove ingress points.

Food safe, wipe-clean, water resistant surface.

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

Huge return on investment from incident prevention and downtime avoidance as height restrictor, infrastructure and overhead equipment does not need replacing or repair.

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 repainting.

Memaplex™ advanced strength polymer created from an exclusive composition of the most sophisticated polyolefins and rubber additives, expertly blended for unequalled strength and flexibility.

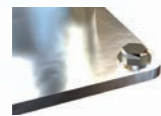
Environmentally friendly and 100% recyclable.

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

ADDITIONAL BASE OPTIONS



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



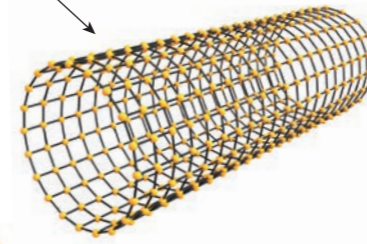
Stainless Steel 316
Ultimate performance option, no corrosion or rusting and resistant to powerful cleaning agents. Ideal for hygiene environments.



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

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



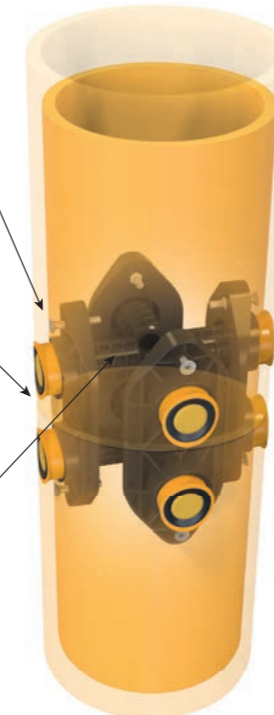
In-line coupling for height flexibility

The iFlex in-line coupling introduces a new level of modularity to the vertical height of a range of A-SAFE products. The coupling enables customers to take the height restrictor from 2000mm up to 5200mm.

Four pin positioning to top and bottom sections gives increased rigidity and stability.

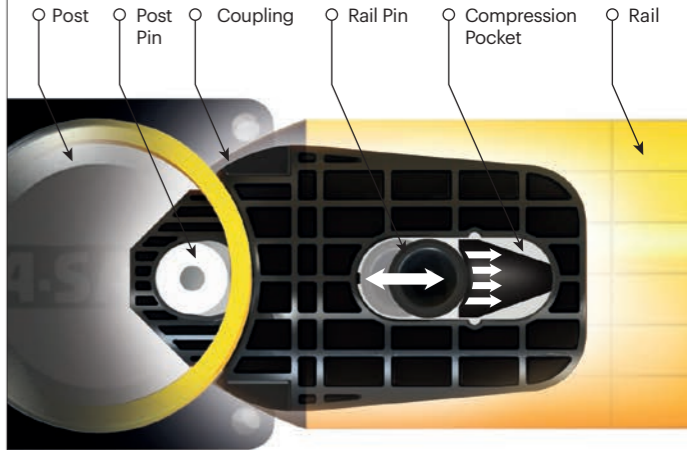
Seamless join enables easy stacking of top and bottom post sections.

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

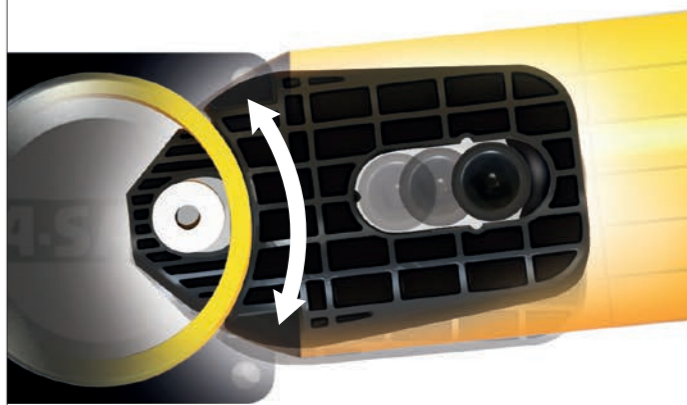


Energy Absorption System

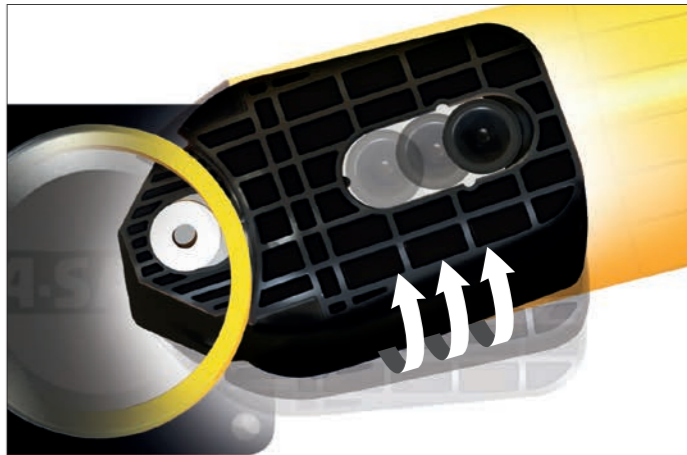
A patented 3-phase system that activates sequentially for unparalleled energy absorption



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.