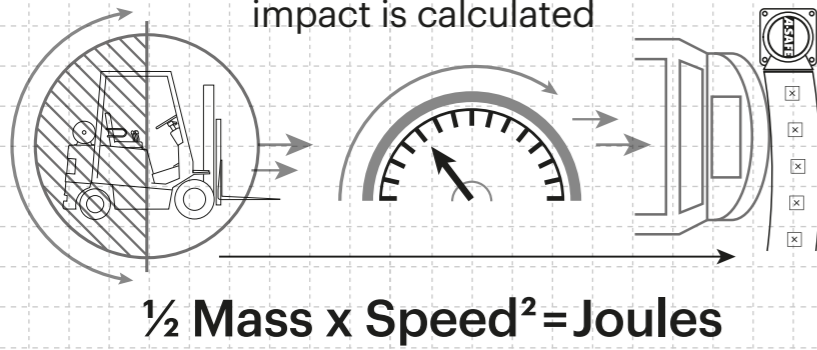


## Testing and Technical Information

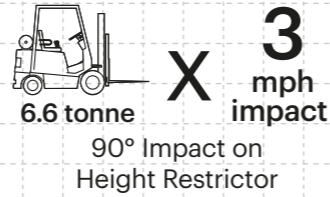
How the energy from a vehicle impact is calculated



### Tested Impact Energy

**5,400 Joules**

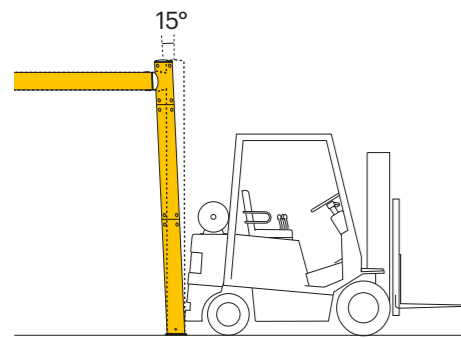
Equivalent vehicle and speed



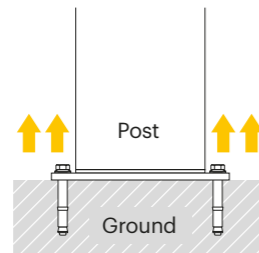
### Impact Test

Max Energy (Joules) at 90° **5,400**

Deflection at Max Energy  
15° Lean



Force to Bolt  
24kN



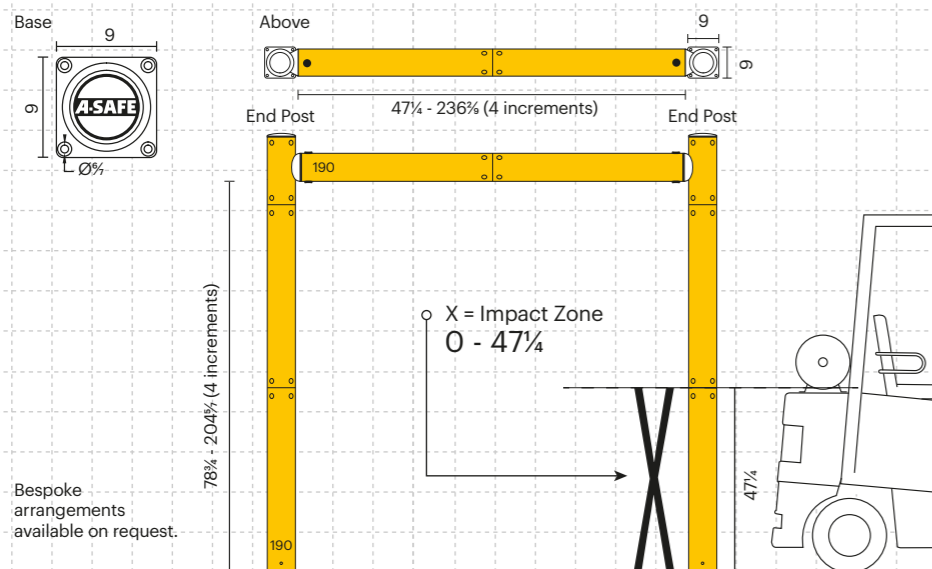
### Material Properties

**MEMAPLEX™**

Temperature Range	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)



### Color



\*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™**

**Height Restrictor**

**A-SAFE**



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.

Tested to the global benchmark in barrier safety

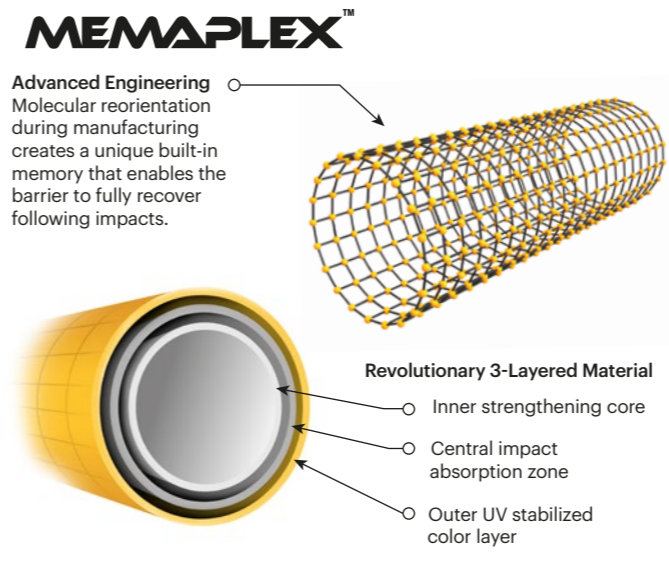
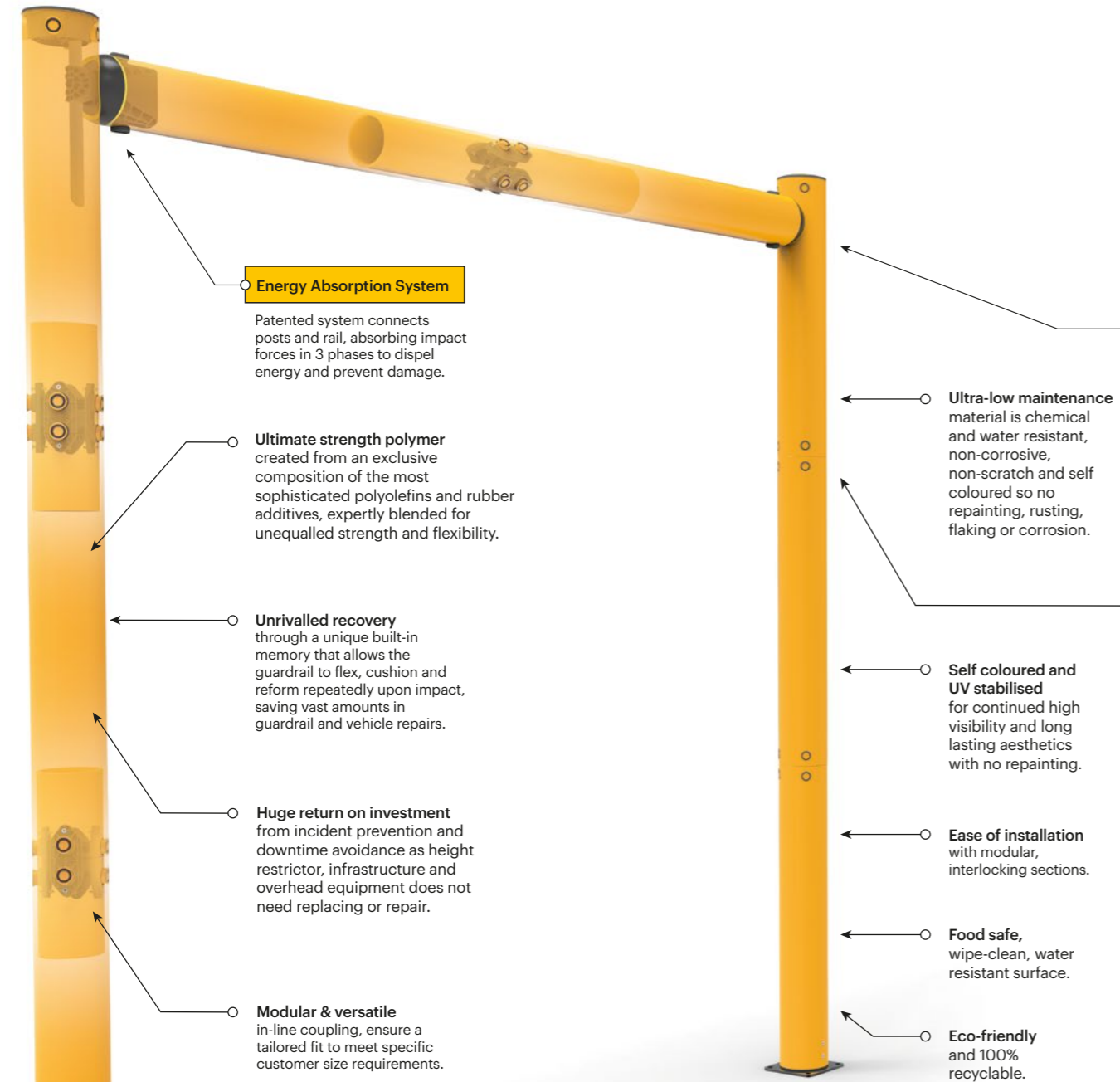
**bsi. PAS 13**  
Code of Practice for Workplace Safety Barriers



Your Authorized A-SAFE Distributor  
856-687-2227 • sales@banksindustrial.com • BanksIndustrial.com  
PO Box 382 • Berlin, NJ 08009

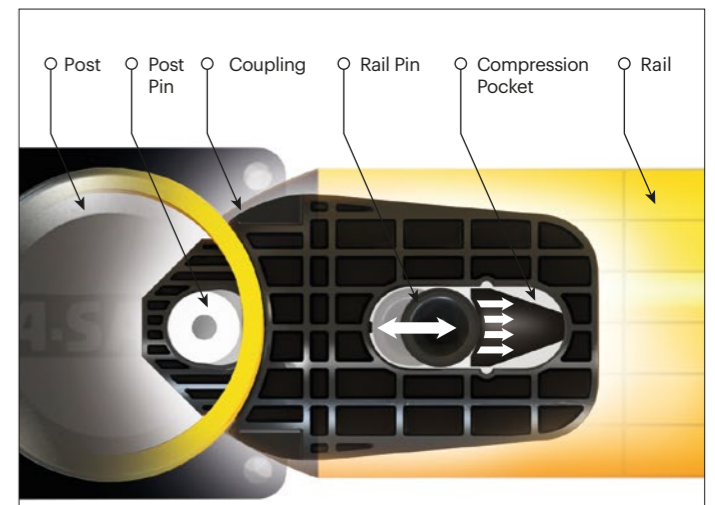
# Engineered for performance

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.

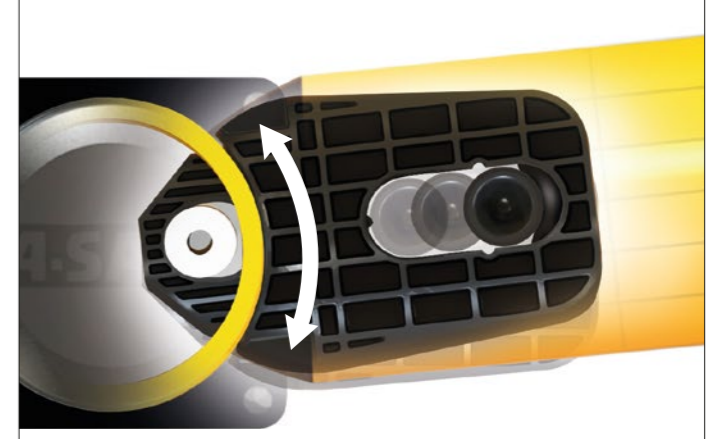


## Energy Absorption System

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



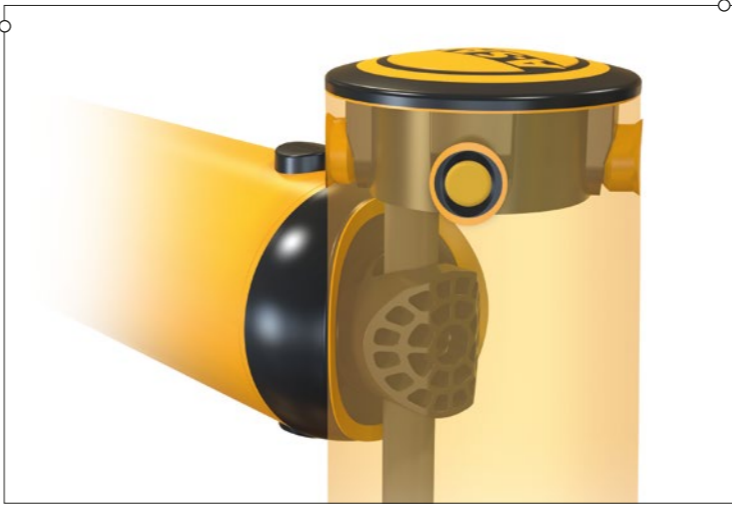
**PHASE 1:** Memaplex™ rail flexes to absorb impact, initiating the rail pin to slide forward and transfer load energy to the compression pocket.



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

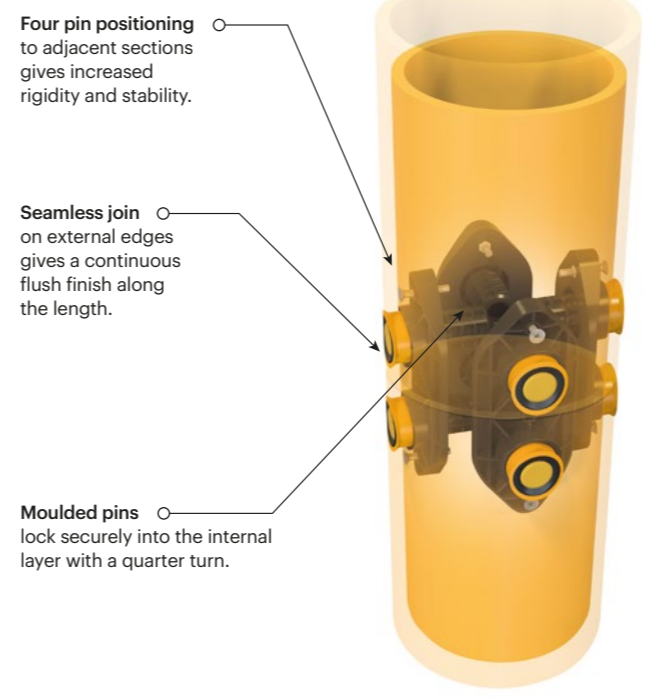


**PHASE 3:** At peak energy, the coupling twists further, engaging the post pin and instigating torsion of the post to dispel remaining forces.

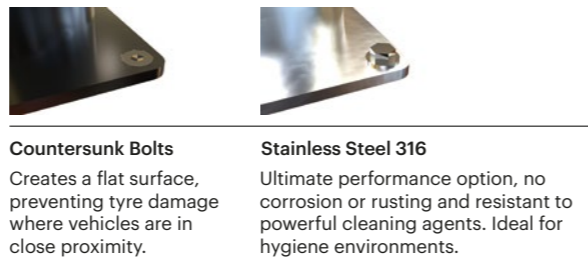


### In-line coupling for a complete modular solution

The iFlex in-line coupling introduces a new level of modularity to the A-SAFE product range. The 19% vertical coupling enables the product to be built up in 4 inch increments from 78% up to 204% inches. The 39% horizontal coupling offers widths from 47% to 236% again in 4 inch increments.



### 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.