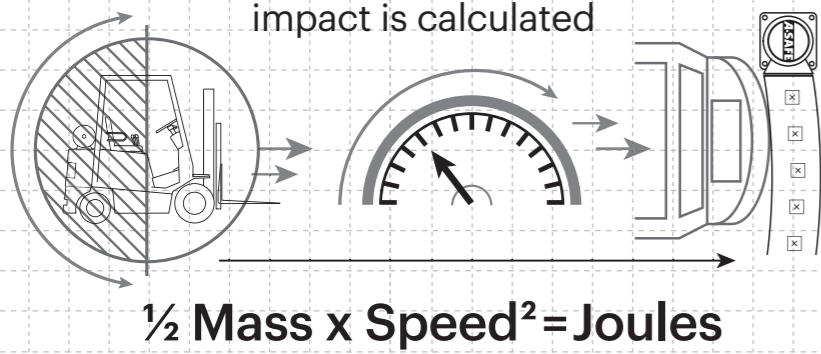


# Technical Information

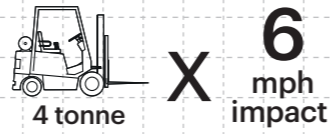
How the energy from a vehicle impact is calculated



Tested Impact Energy

**14,400 Joules**

Equivalent vehicle and speed

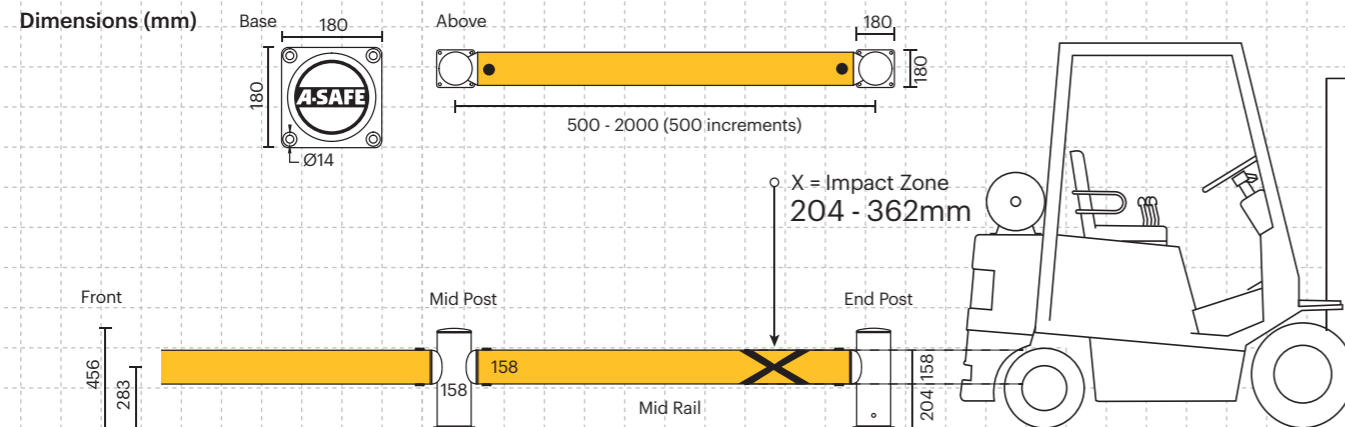
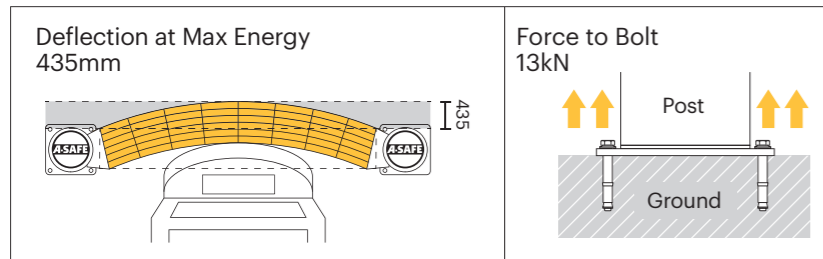


Mid Rail 45° Impact on 2000mm Post Centres

Impact Test	Impact Angle on 2000mm Post Centres			
	90°	45°	22.5°	10°
Mid Rail Max Energy (Joules)	10,200	14,400	26,600	58,700
End Post Max Energy (Joules) - 90°	3,600			
Mid Post Max Energy (Joules) - 90°	3,600			

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

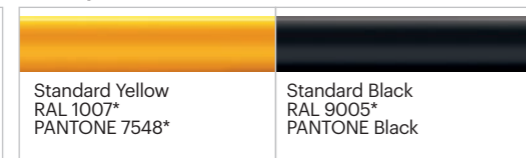
\* Weathering scale 1 is very poor and 5 is excellent  
 \*\* Light stability scale 1 is very poor and 8 is excellent



### 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.



eFlex™  
Single Traffic Barrier

# A-SAFE

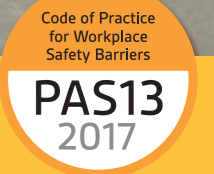
Est. 1984



Designed to shield buildings, machinery and equipment from damage caused by vehicle collisions both inside and out.

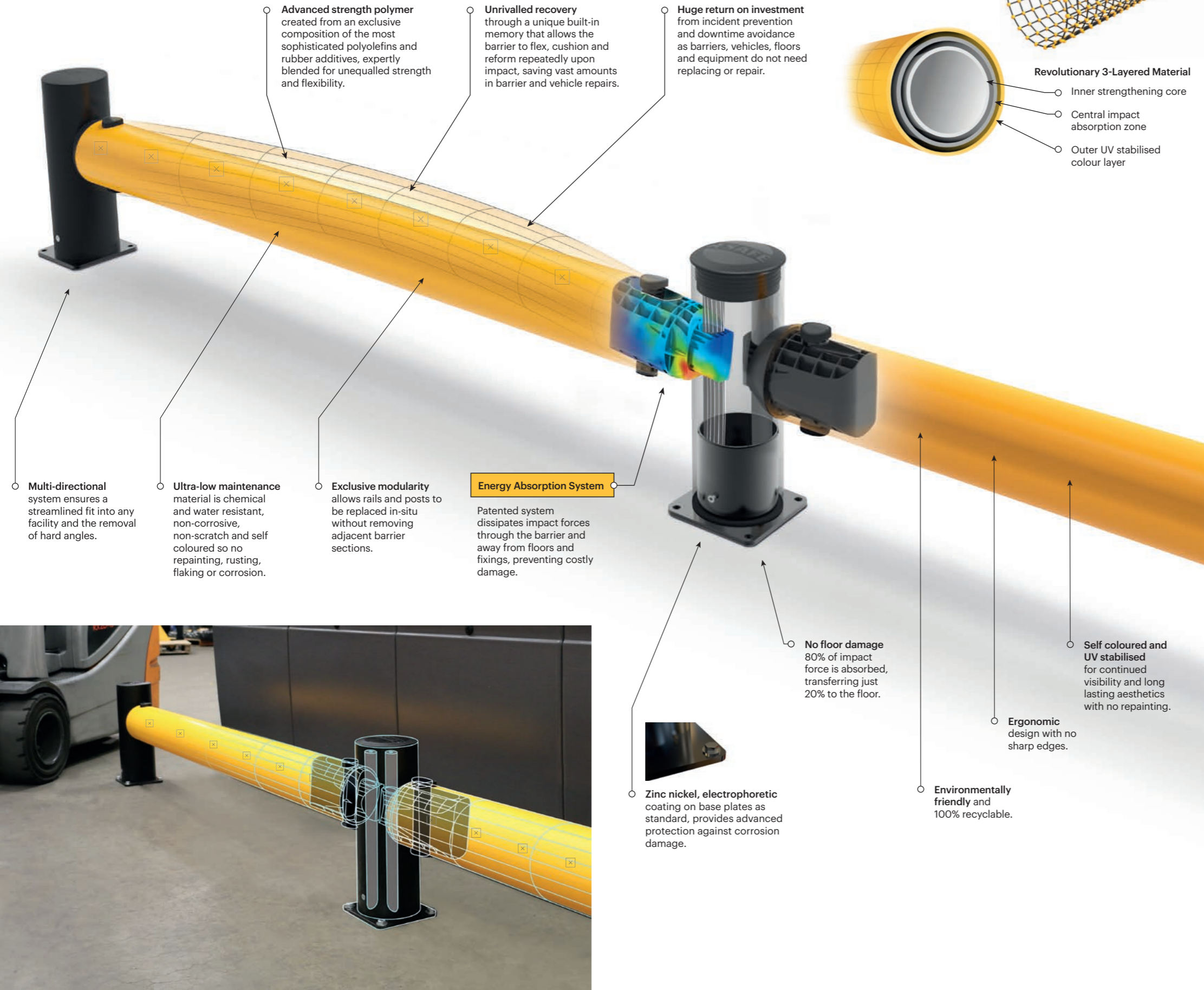
This flexible mid-strength barrier provides visual guidance to drivers and physical protection for assets by absorbing and deflecting impact forces, preventing incidents and avoiding downtime.

Ideal for mid-traffic areas and for equipping build base specifications.



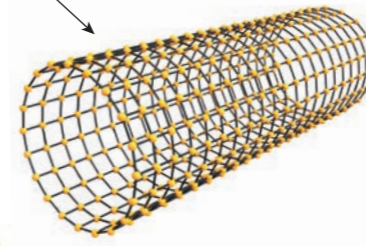
# Engineered for performance

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.



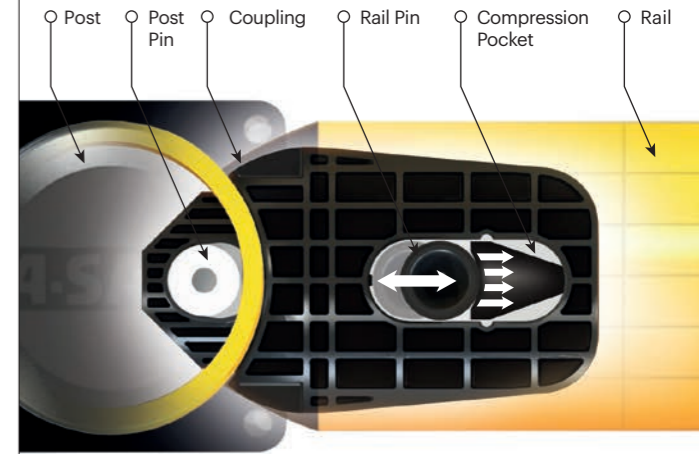
## MEMAPLEX™

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

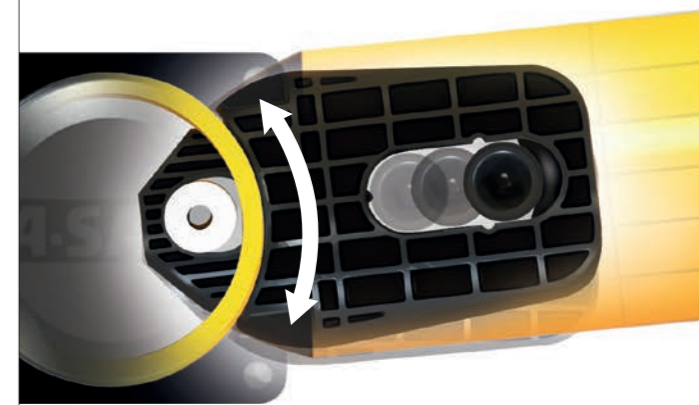


## Energy Absorption System

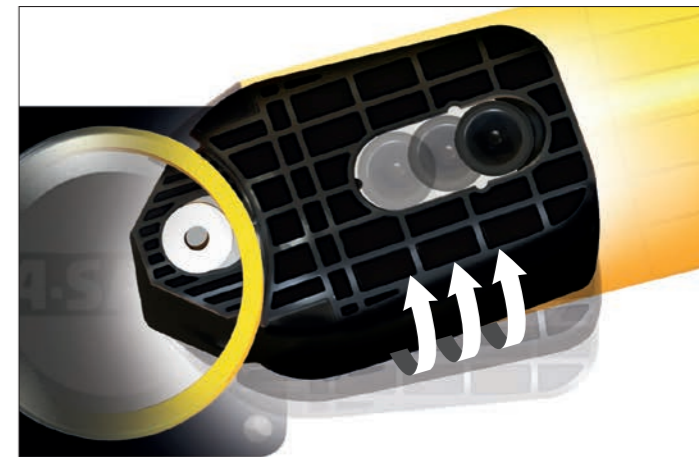
A patented 3-phase system that activates sequentially for unparalleled energy absorption



**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.