

Technical Information

How the energy from a vehicle impact is calculated

$\frac{1}{2} \text{ Mass} \times \text{Speed}^2 = \text{Joules}$

Tested Impact Energy

21,350 Joules

Equivalent vehicle and speed

8.5 tonne

\times

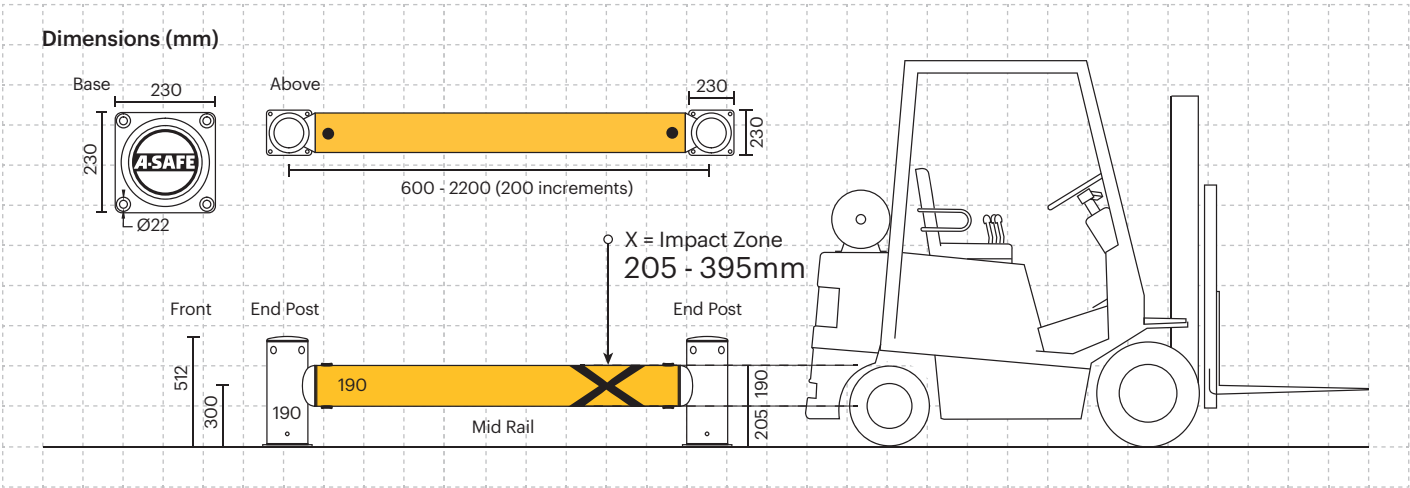
5 mph impact

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		
Deflection at Max Energy 430mm		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

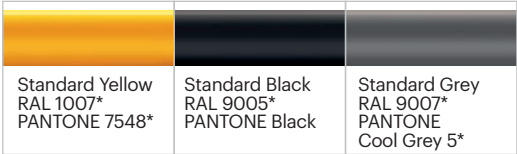
* Weathering scale 1 is very poor and 5 is excellent
** Light stability scale 1 is very poor and 8 is excellent



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™

Single RackEnd Barrier

A-SAFE

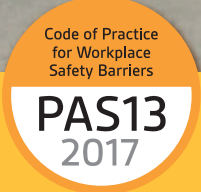
Est. 1984



Designed to protect the end of racking aisles where turning vehicles and equipment can impact vulnerable racking structures.

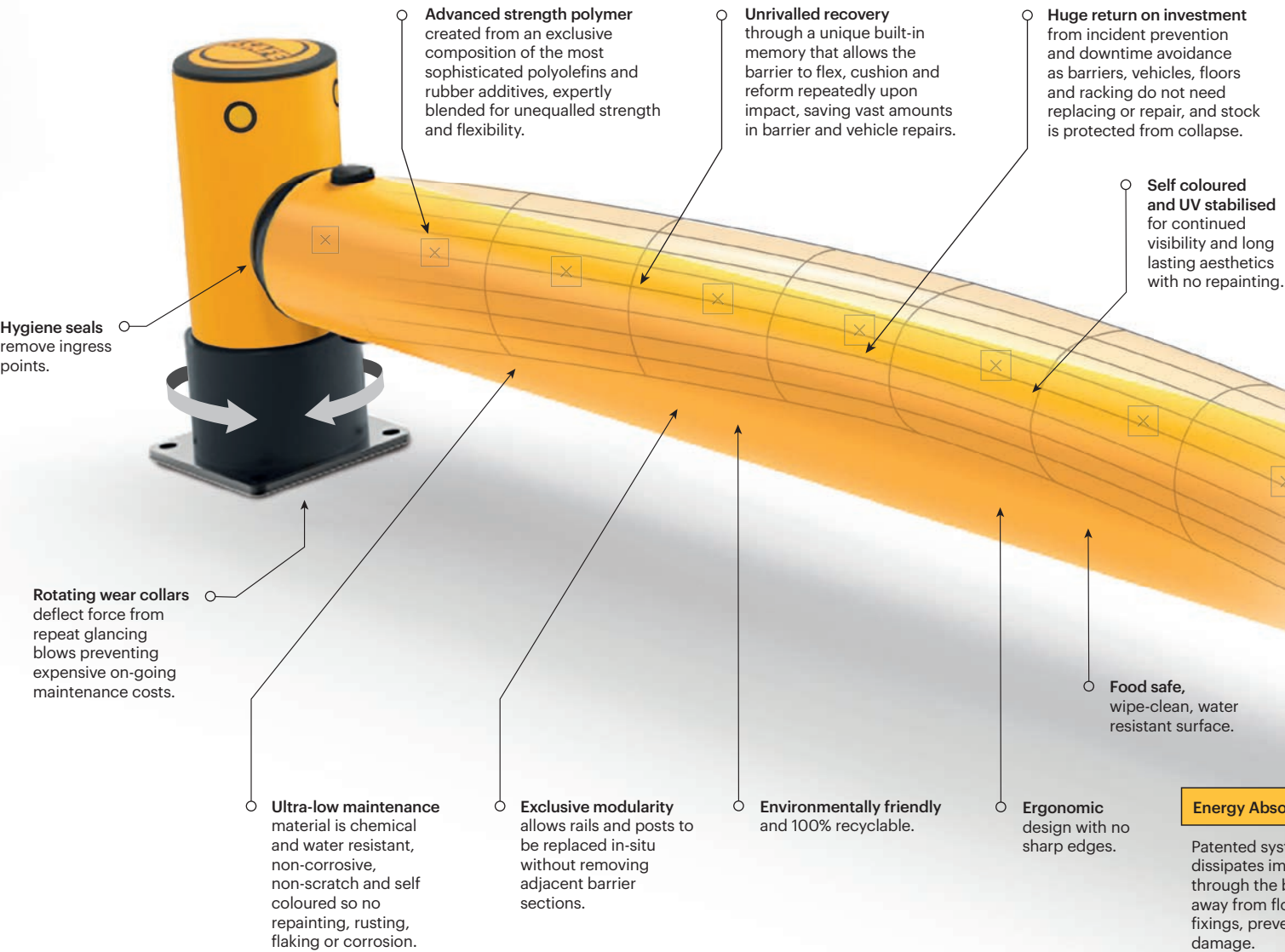
This RackEnd barrier provides heavy duty protection to shield racking systems from high impact accidents and prevent damage.

The circular end posts provide enhanced protection at the barrier ends which are most susceptible to impact. Innovative spinning collars further deflect and dissipate impact forces.

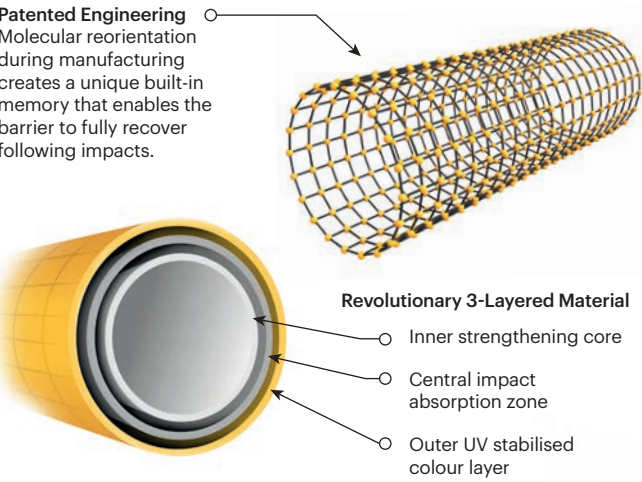


Engineered for performance

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.

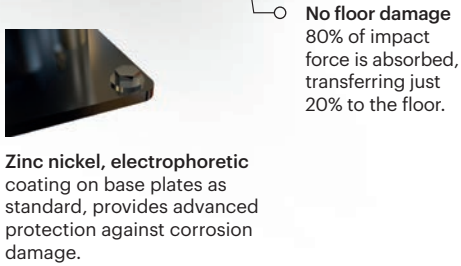


MEMAPLEX™



Energy Absorption System

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

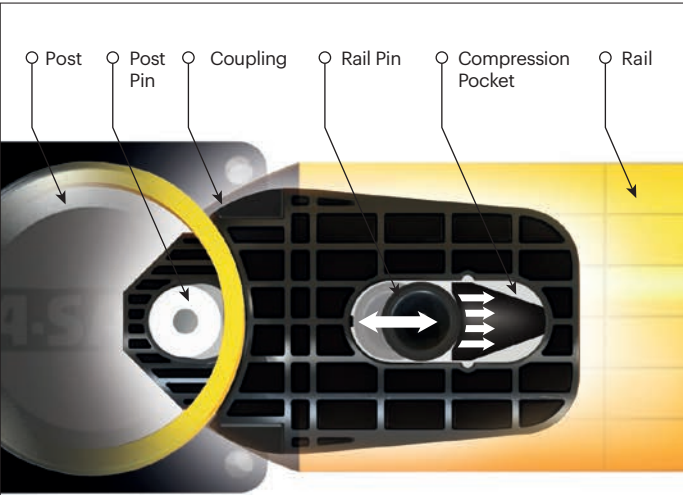


ADDITIONAL BASE OPTIONS

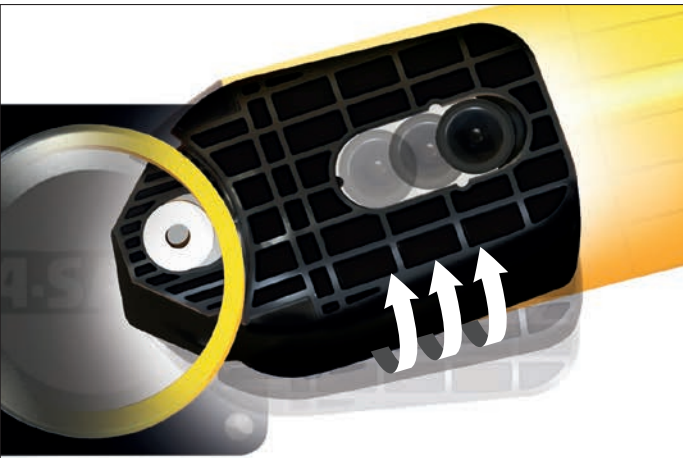
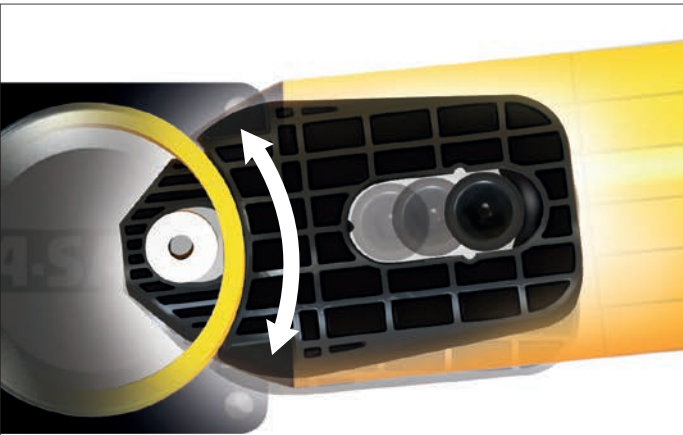
Countersunk Bolts	Galvanised Steel	Stainless Steel 316 Standard	Stainless Steel 316 Countersunk
Creates a flat surface, preventing tyre damage where vehicles are in close proximity.	Increased weather resistance for outdoor use and harsh climate environments.	Ultimate performance option, no corrosion or rusting and resistant to powerful cleaning agents. Ideal for hygiene environments.	

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.



iFlex RackEnd Barrier shown with optional iFlex ForkGuard.

