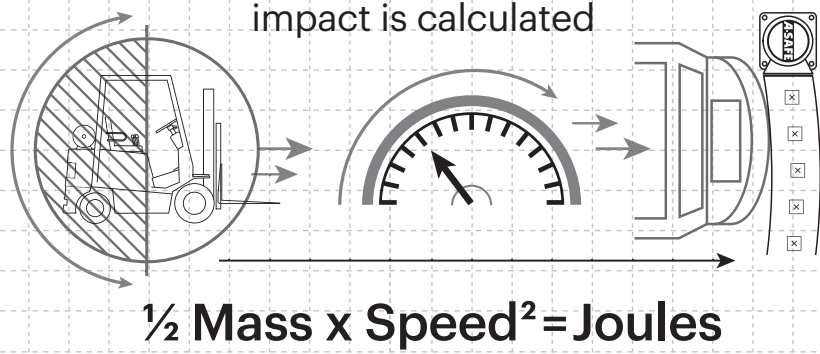


Technical Information

How the energy from a vehicle impact is calculated



Tested Impact Energy
21,350 Joules
 Equivalent vehicle and speed

8.5 tonne X **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		

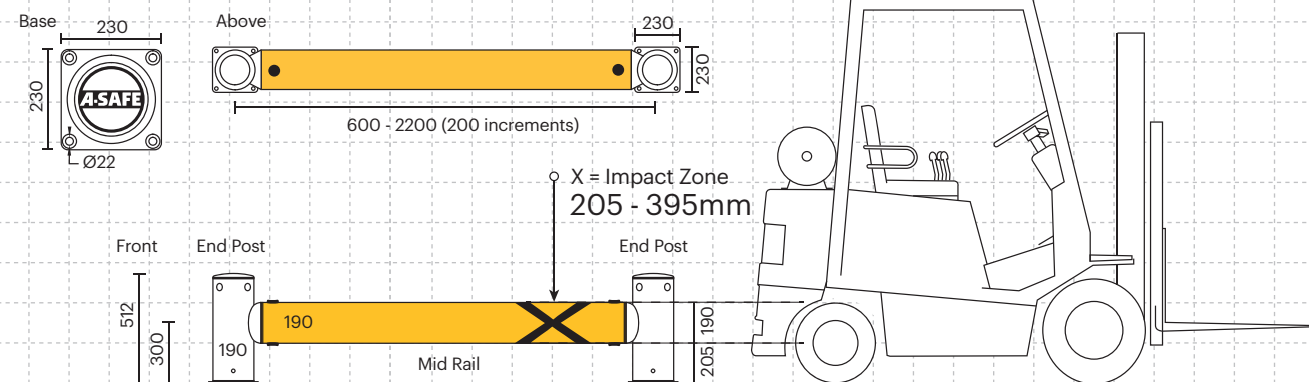
Deflection at Max Energy 430mm

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

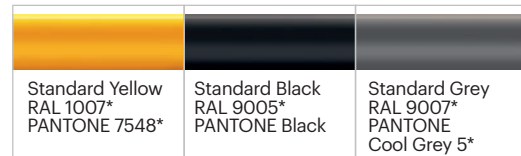
Dimensions (mm)



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™

Single RackEnd Barrier

A-SAFE

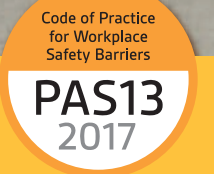
Est. 1984



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

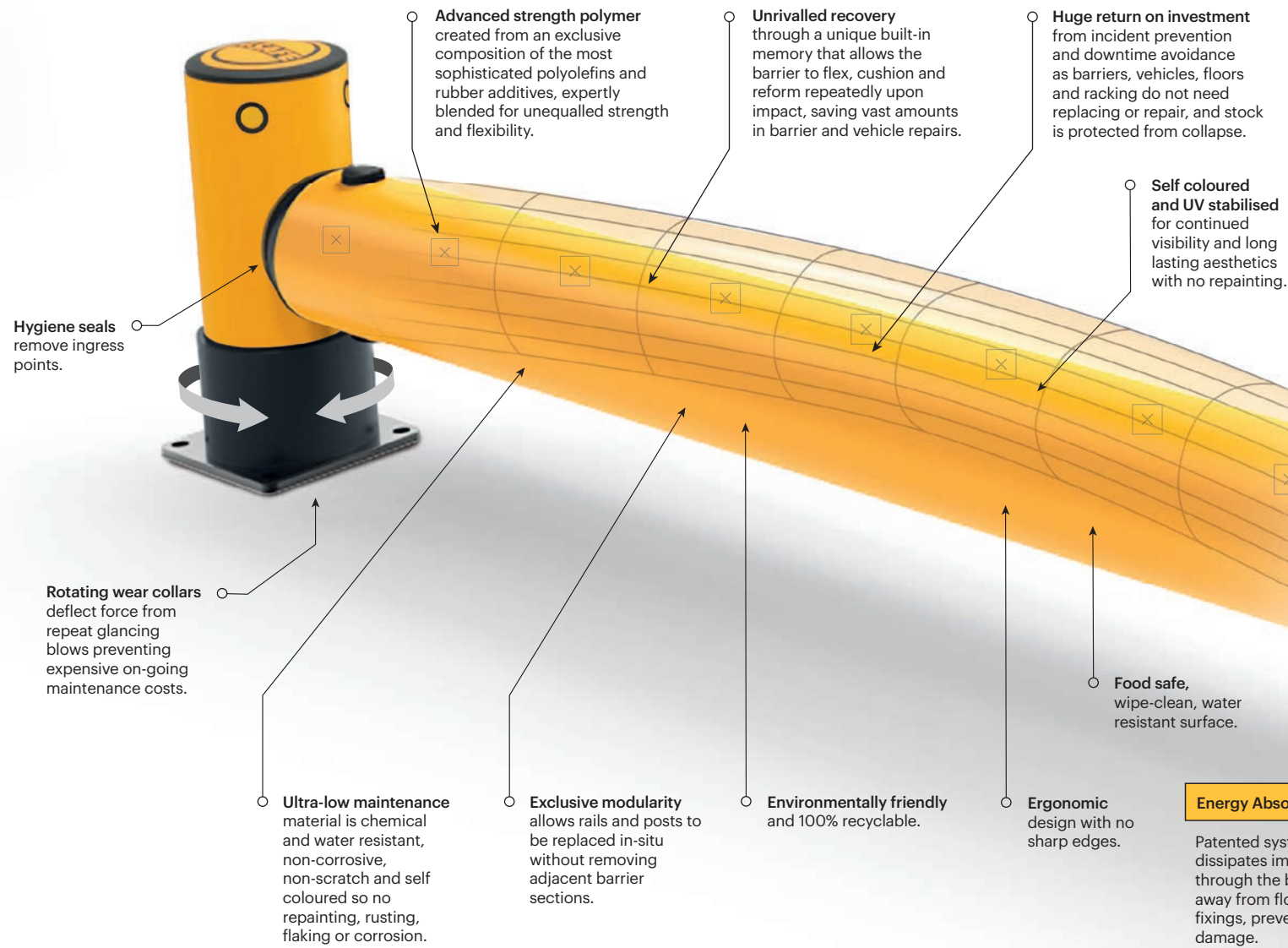
This RackEnd barrier provides heavy duty protection to shield racking systems from high impact accidents and prevent damage.

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.



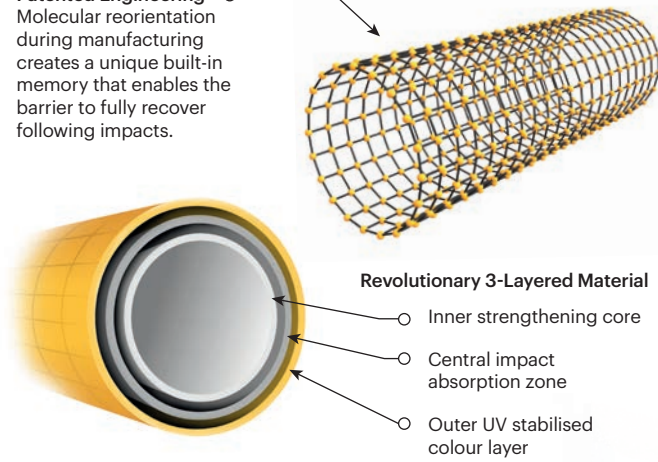
Engineered for performance

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™

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



Energy Absorption System

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



ADDITIONAL BASE OPTIONS

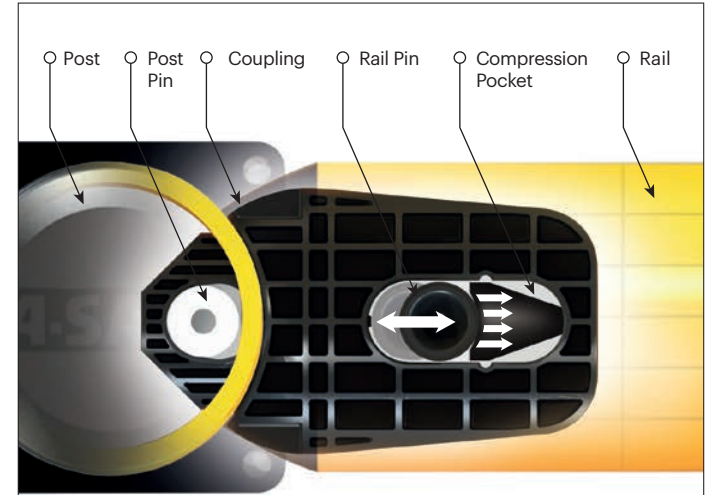
Countersunk Bolts	Galvanised Steel	Stainless Steel 316 Standard	Stainless Steel 316 Countersunk
Creates a flat surface, preventing tyre damage where vehicles are in close proximity.	Increased weather resistance for outdoor use and harsh climate environments.	Ultimate performance option, no corrosion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



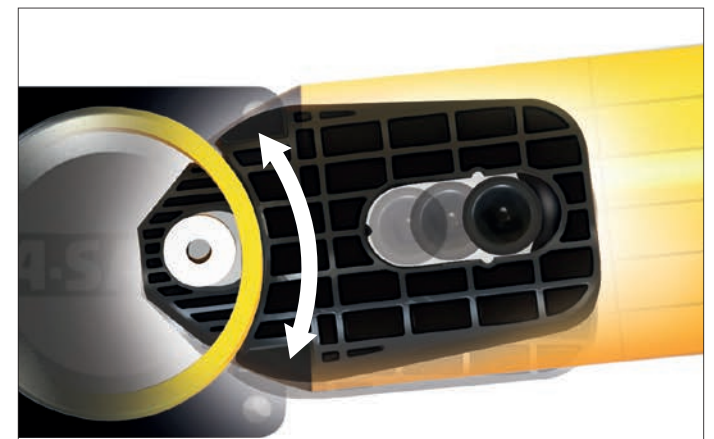
iFlex RackEnd Barrier shown with optional iFlex ForkGuard.

Energy Absorption System

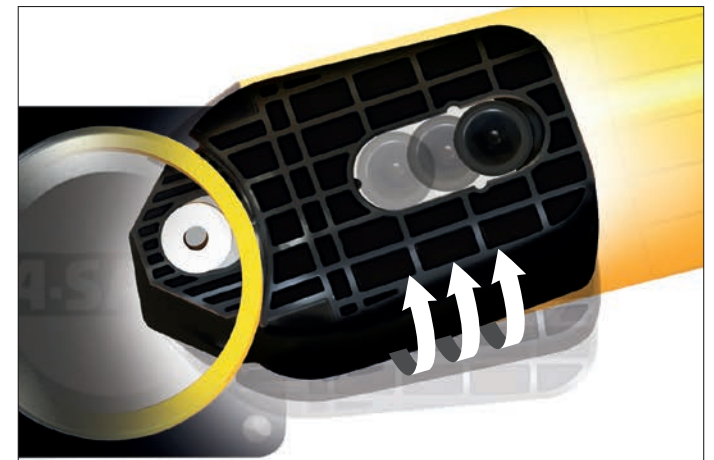
A patented 3-phase system that activates sequentially for unparalleled energy absorption



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.