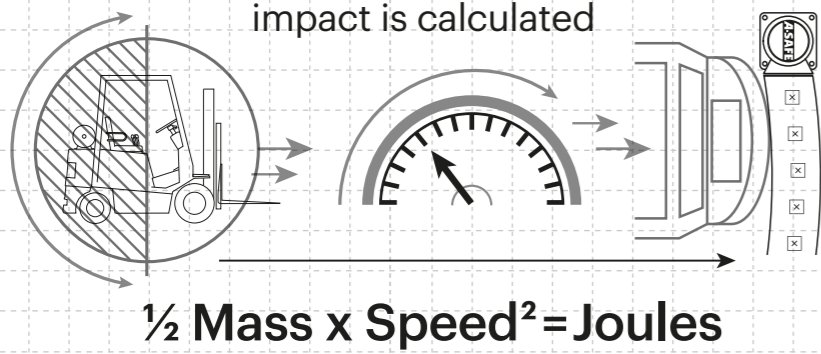


Technical Information

How the energy from a vehicle impact is calculated



Tested Impact Energy
30,200 Joules
 Equivalent vehicle and speed

9.2 ton X **6 mph impact**

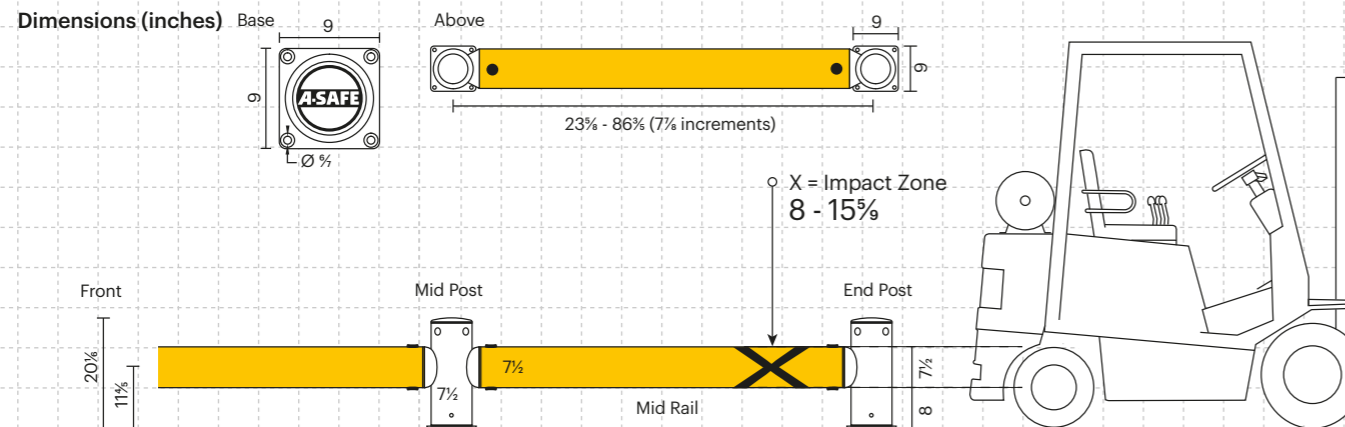
Mid Rail 45° Impact on 78¼ Post Centers

Impact Test	Impact Angle on 78¼ inch Post Centers			
	90°	67.5°	45°	22.5°
Mid Rail Max Energy (Joules)	15,100	17,691	30,200	103,109
End Post Max Energy (Joules) - 90°	6,900			
Mid Post Max Energy (Joules) - 90°	6,900			

Deflection at Max Energy 17 inches	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	Yes

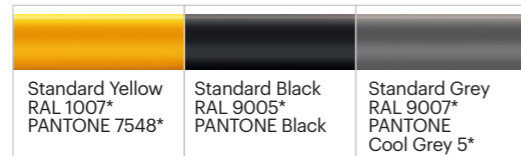
* Weathering scale 1 is very poor and 5 is excellent
 ** Light stability scale 1 is very poor and 8 is excellent



Post Options



Rail Options



Color Combinations

*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™

Single Traffic Guardrail

A-SAFE



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

This flexible heavy-duty guardrail provides visual guidance to drivers and physical protection for vital assets by absorbing and deflecting high-impact forces, preventing incidents and avoiding downtime.

Ideal for high traffic areas.



Tested to the global benchmark in guardrail safety

bsi. PAS 13
Code of Practice for Workplace Safety Guardrails

Testing Criteria to determine essential Product Properties of Collision Protection Systems:

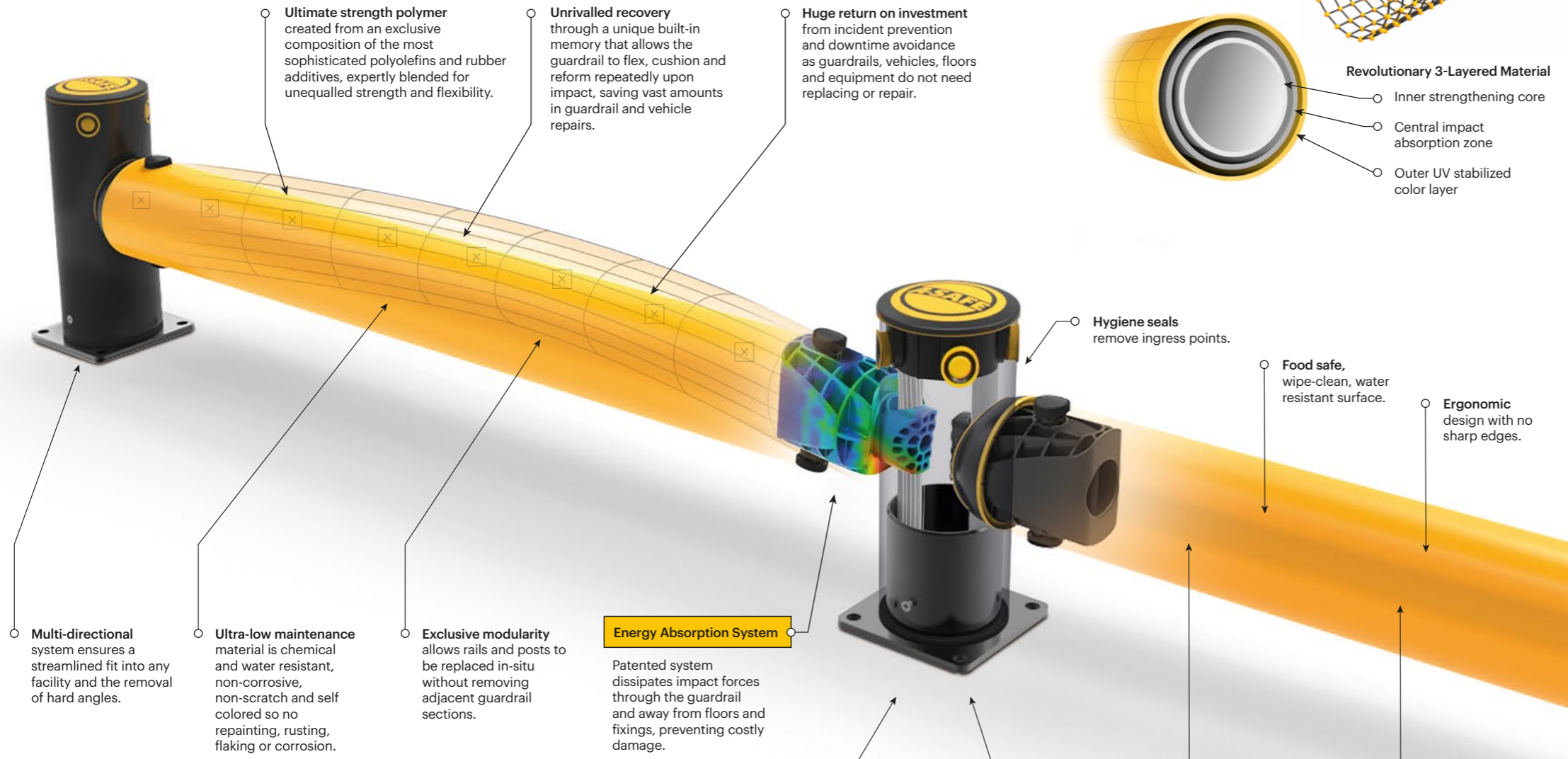
- PAS 13, Sec. 7.7 (Sted and Ramp Impact test)
- PAS 13, Sec. 7.8 (Pass and Fail Criteria)

For further information: www.tuv-nord.de



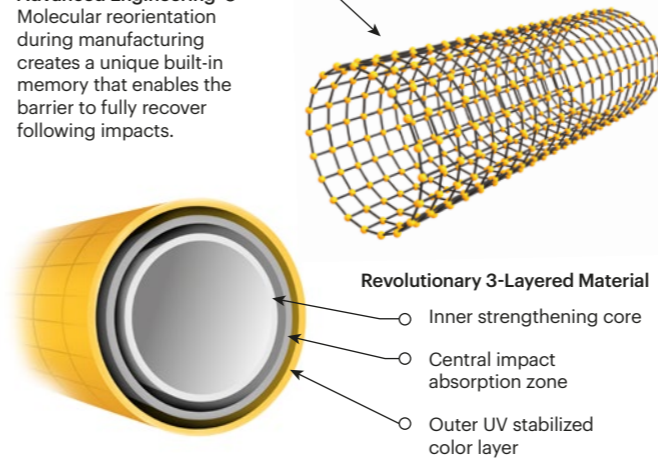
Engineered for performance

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.



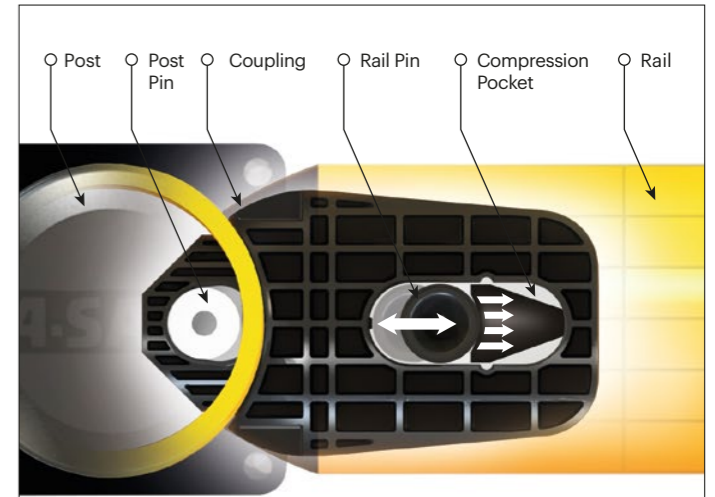
MEMAPLEX™

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

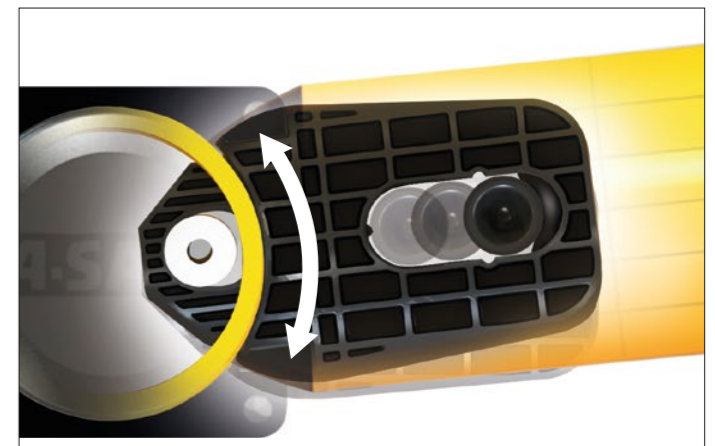


Energy Absorption System

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.

ADDITIONAL BASE OPTIONS

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