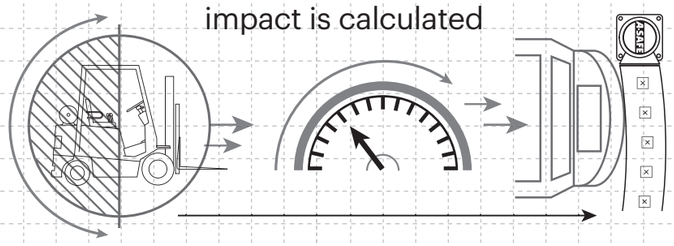
Technical Information

How the energy from a vehicle impact is calculated



½ Mass x Speed² = Joules

Tested Impact Energy

12,000 Joules

Equivalent vehicle and speed

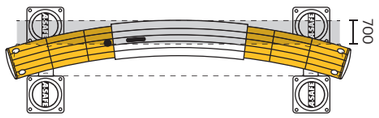


7 tonne X 4 mph impact

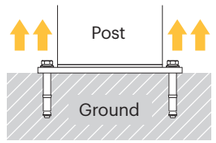
Mid Rail 90° Impact on 2630mm Post Centres

Impact Test	
Max Energy (Joules) at 90°	12,000
End Post Max Energy (Joules) at 90°	10,000

Deflection at Max Energy
700mm



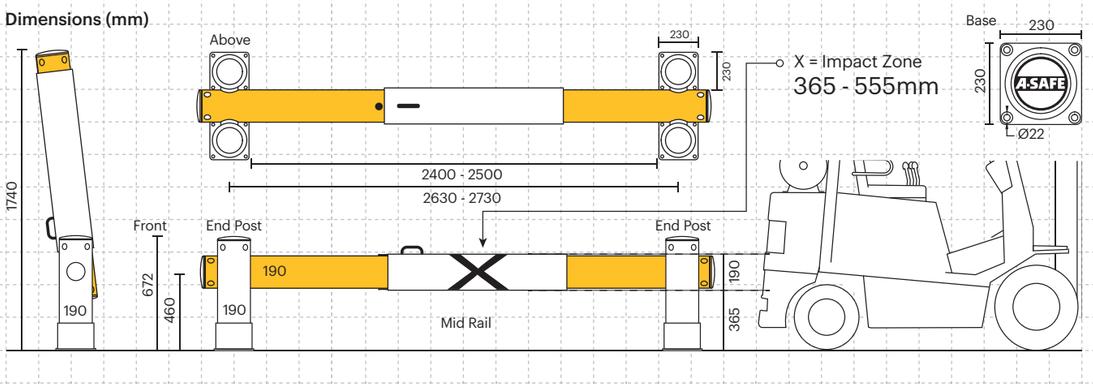
Force to Bolt
24kN



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	No

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

Dimensions (mm)



Post



Standard Black
RAL 9005*
PANTONE Black

Rail

Standard Yellow
RAL 1007*
PANTONE 7548*

Colour Combination

*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.

A-SAFE Est. 1984

iFlex™

Dock Gate



Designed to defend dock loading bays, containing stray vehicles at dock entrances and protecting door infrastructure from impact damage.

Creates a physical stop with enhanced strength barrier for high impact resistance in heavy vehicle environments.

Double bollard posts offer high levels of collision resistance even when the gate is open, protecting door infrastructure and shutter rails.

Suitable for all docking areas, the simple manual operation, quick-slide collar lock and cantilever design give easy access and ample opening room.

TÜV NORD — TÜV NORD Systems GmbH & Co. KG — Freiwillige Prüfung Prüfbestätigung PP7001 - 28.01.2015 / 1328000139 — A-SAFE PENDULUM IMPACT TESTER

Code of Practice for Workplace Safety Barriers
PAS13

A-SAFE Headquarters
Habergham Works, Ainleys Industrial Estate, Elland, HX5 9JP, West Yorkshire, United Kingdom.
www.asafe.com

PROTECT SAFE SYSTEM
0739.646.666 - office@protectsafe.ro

Engineered for performance

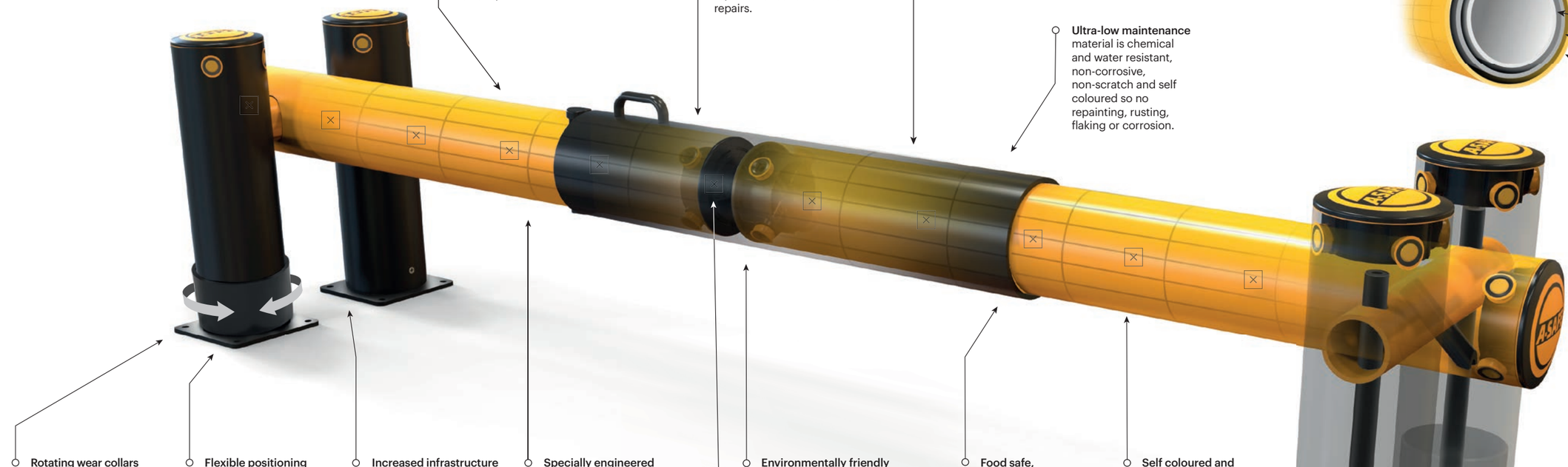
A-SAFE's state of the art products are meticulously engineered to deliver the highest performance. Designed, developed, tested and manufactured in-house at our cutting-edge facility, each unique component is carefully crafted and purpose-built to play a vital role in the product's performance.

Advanced strength polymer created from an exclusive composition of the most sophisticated premium polyolefins, expertly blended for unequalled strength and flexibility.

Unrivalled recovery through a unique built-in memory that allows the gate rail to flex, cushion and reform upon impact, saving vast amounts in gate replacement and vehicle repairs.

Huge return on investment from incident prevention and downtime avoidance as gate, vehicles, floors and infrastructure do not need replacing or repair.

Ultra-low maintenance material is chemical and water resistant, non-corrosive, non-scratch and self coloured so no repainting, rusting, flaking or corrosion.



Rotating wear collars deflect force from repeat glancing blows preventing expensive on-going maintenance costs.

Flexible positioning of bollard posts means the clear opening can be specified to meet your particular loading bay requirements within the product parameters.

Increased infrastructure protection for vulnerable door frames and shutter runners, with double high-strength bollard posts.

Specially engineered patented lock sleeve at barrier mid-point prevents any weakness at vulnerable impact area.

Environmentally friendly and 100% recyclable.

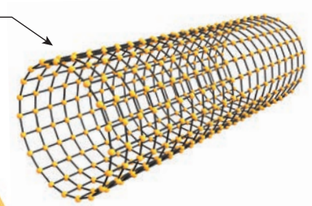
Food safe, wipe-clean, water resistant surface.

Self coloured and UV stabilised for continued visibility and long lasting aesthetics with no repainting.

Optimised height for loading vehicle impact zones, preventing both front-facing and reversing vehicles from straying beyond the safe loading area.

MEMAPLEX™

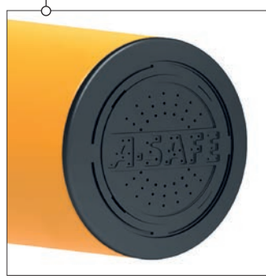
Patented Engineering
Molecular reorientation during manufacturing creates a unique built-in memory that enables the barrier to fully recover following impacts.



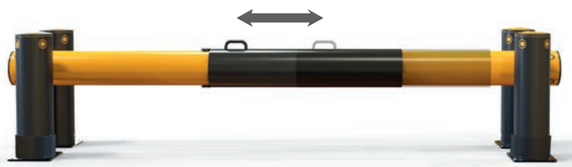
Revolutionary 3-Layered Material

- Inner strengthening core
- Central impact absorption zone
- Outer UV stabilised colour layer





Precision engineered perforated cap is made from a unique deformable material and moulded on our custom-built machinery. It controls the emission of air pressure should impact occur, increasing force absorption.



Retractable locking device
Patented quick-slide Memaplex™ lock sleeve maintains barrier strength and integrity to withstand heavy vehicle impacts.

Zinc nickel, electrophoretic coating on base plates as standard, provides advanced protection against corrosion damage.



Lift and self-hold
Patented lift and self-hold design, barrier pivots between bollard posts to protect door frames and shutter runners whilst loading bay is in use.