iFlexRail™
Column Guard



Designed to provide bespoke protection of columns, building supports and structures of any size and with any section shape; square, rectangular, circular or irregular.

This impact-resisting barrier system provides visual guidance to drivers and a robust physical shield for vulnerable structures. The rails are set apart from the column to isolate and absorb collision forces away from uprights.

Fully modular and adaptable, the barriers can also be supplied as two or three sided units to safeguard columns located at the corner of two walls or in front of walls.

TÜV NORD
TÜV NORD Systems GmbH & Co. KG
Freiwillige Prüfung
A-SAFE PENDULUM IMPACT TESTER

Code of Practice for Workplace Safety Barriers
PAS13
2017

PROTECT
SAFE SYSTEM
0739.646.666 - office@protectsafe.ro

Engineered for performance

Memaplex™ advanced strength polymer
created from an exclusive composition of the most sophisticated polyolefins and rubber additives, expertly blended for unequalled strength and flexibility.

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

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

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

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

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

Hygiene seals
remove ingress points.



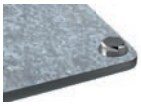
Multi-directional system
ensures a streamlined fit around any column shape and any column location.

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

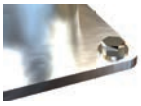
ADDITIONAL BASE OPTIONS



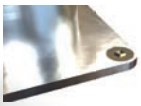
Countersunk Bolts



Galvanised Steel



Stainless Steel 316 Standard



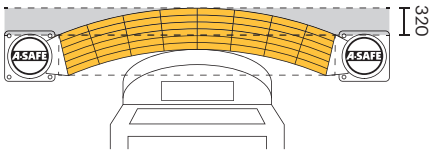
Stainless Steel 316 Countersunk

Technical Information

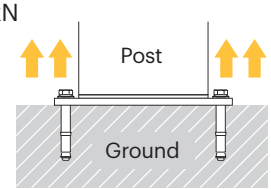
Impact Test	Impact Angle on 1500mm Post Centres			
	90°	45°	22.5°	10°
Mid Rail Max Energy (Joules)	5,800	8,200	15,150	33,400

End Post Max Energy (Joules) - 90°	3,000
Mid Post Max Energy (Joules) - 90°	3,000

Deflection at Max Energy
320mm



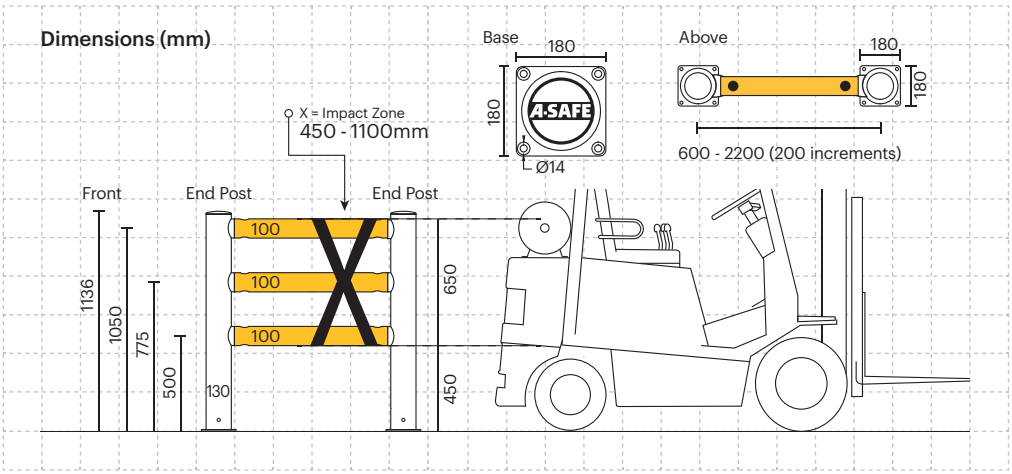
Force to Bolt
9kN



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)

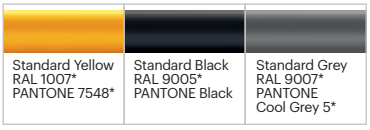


Colour Combinations

Post Options



Rail Options



*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.

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