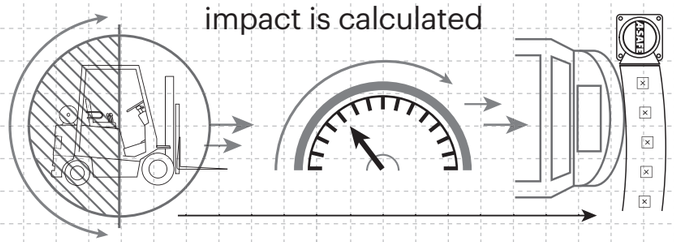
Technical Information

How the energy from a vehicle impact is calculated



½ Mass x Speed² = Joules

Tested Impact Energy

1,600 Joules

Equivalent vehicle and speed

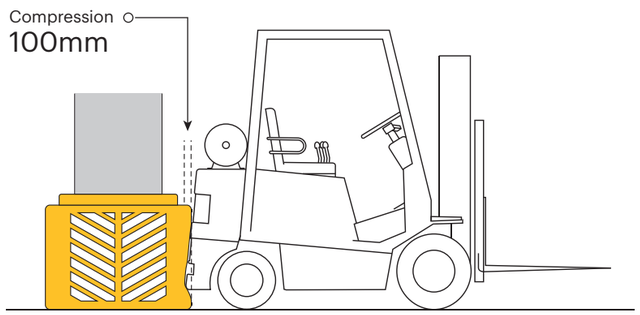


1.8 tonne X 3 mph impact

90° Impact on Column Guard

Impact Test

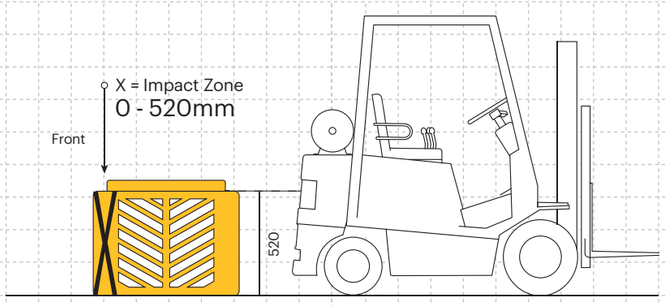
Max Energy (Joules) at 90° 1,600



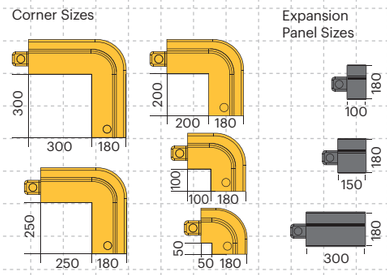
Material Properties	
Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	1015 - 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)



The corner sizes and expansion panels combine in different configurations to fit any universal sized square or rectangle column.



Unit



Standard Yellow
RAL 1007*
PANTONE 7548*

Expansion Panels



Standard Yellow
RAL 1007*
PANTONE 7548*

Standard Black
RAL 9005*
PANTONE Black

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.

A-SAFE Est. 1984

FlexiShield™ Column Guard



Specifically designed to provide integrated column protection at any height for square and rectangle universal columns.

Quick and easy to install, the modular, interlocking sections ensure a tight fit to the column on all sides, avoiding vulnerable gaps, optimising space, and allowing the transfer of energy around and away from the column.

A stepped stacking feature connects multiple Column Guards together so they act as one integrated unit locked in place to disperse energy through the entire system for superior protection at increased heights.

The step also encloses the base plate of the column to shield fixings from impact.

TÜV NORD — TÜV NORD Systems GmbH & Co. KG — Freiwillige Prüfung — 28.01.2013 / 1258600130 — A-SAFE PENDULUM IMPACT TESTER

Code of Practice for Workplace Safety Barriers PAS13 2017

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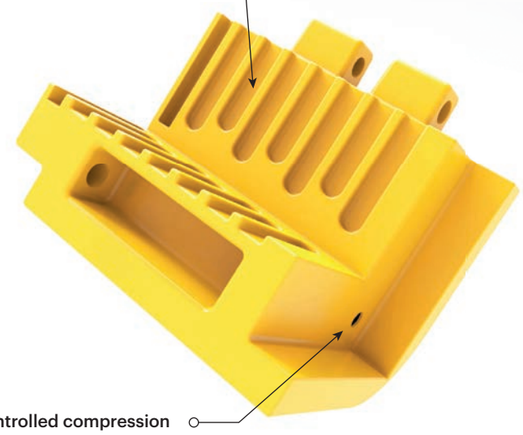
Engineered for performance

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 design element is carefully crafted and purpose-built to play a vital role in the product's performance.

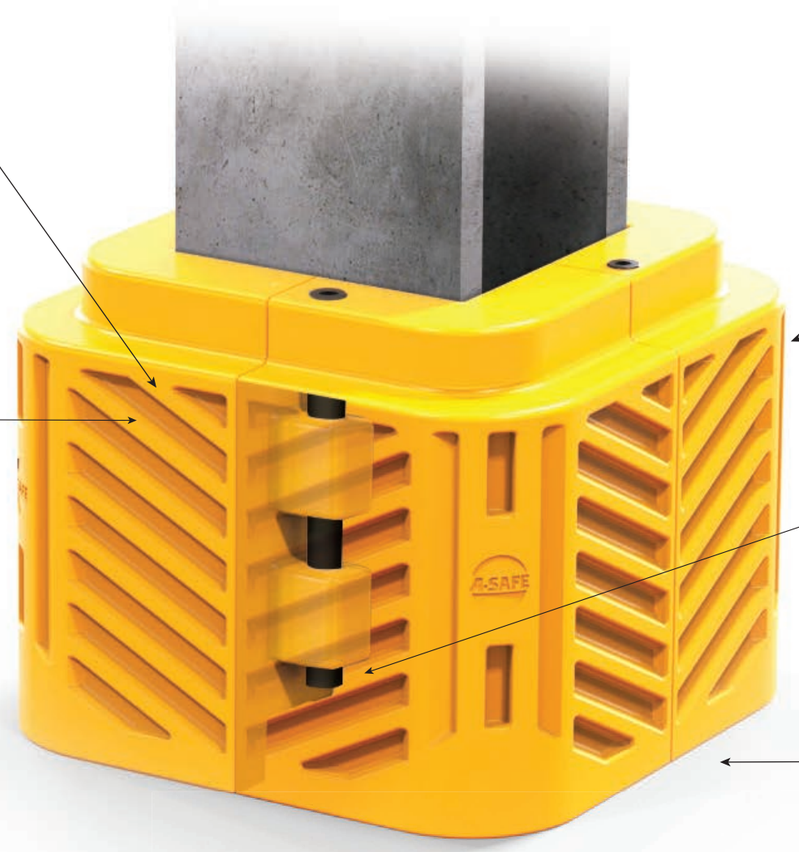
Absorption
Low density polyethylene delivers strong impact resistance at both ambient and sub-ambient temperatures. Chevron and rectangular indents increase the surface area, providing more material for energy absorption, and allowing the Column Protector to expand and contract before reforming to its original shape.

Fork protection
Impact resisting chevron and rectangular indents increase fork protection by removing flat surface areas that are susceptible to fork penetration. Inner rib structure further enhances rigidity to resist and deflect forks.

High strength
Inner and outer structural support ribs increase rigidity and maximise impact resistance for high strength protection.



Controlled compression
Air-chamber regulator controls speed of air pressure release on impact, dissipating energy with even regularity throughout the Column Protector.

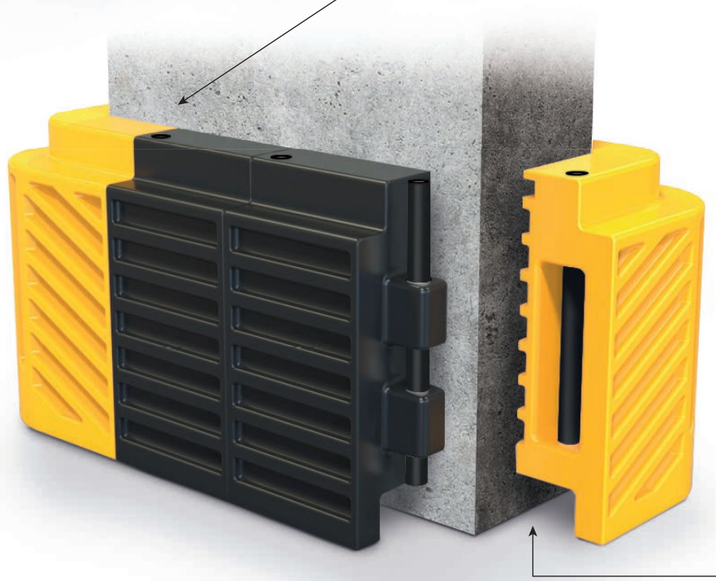


Quick & easy installation
Simple assembly with modular, interlocking sections and the A-SAFE logo for clear orientation.

Proven performance
Proven iFlex 36 OD rod connects the corners providing high performance strength and energy absorption. The interlocking pin connection allows the system to act as one for superior strength as well as independently for maximum flexibility and energy dissipation.

Optimised footprint
Interlocking, modular system ensures a tight grip to column on all sides for fully encased protection and space optimisation.

Highly visible
Prominent chevron design delivers a clear warning with the distinctive A-SAFE yellow and contrasting black inserts creating a strong visual alert.



Fixings protection
Inner step feature encapsulates and encloses the base plate to protect fixings.



Stepped stacking feature connects multiple Column Protectors together so they act as one integrated unit instead of separate systems. The step enables the stacked assembly to lock in place and allows energy to transfer throughout the entire system for even greater protection at increased heights.



Modular & adaptable
Fully adaptable, modular system ensures a perfect fit to all square and rectangle universal columns and vertical structures.