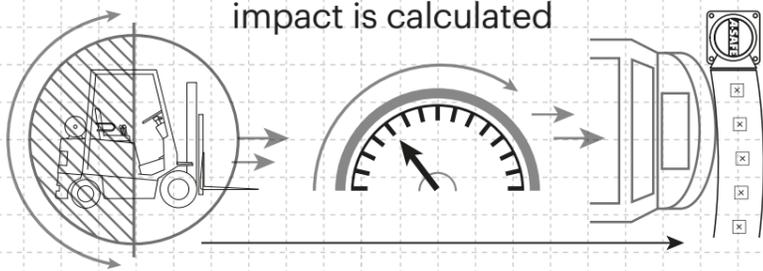


Technical Information

How the energy from a vehicle impact is calculated

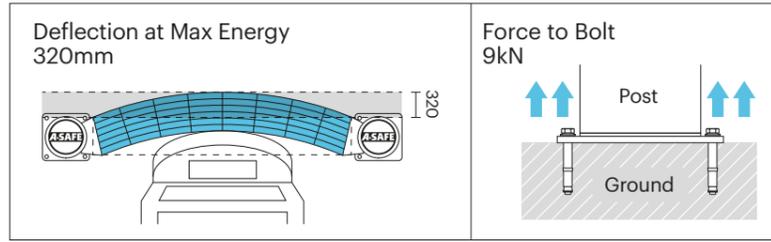


$\frac{1}{2} \text{ Mass} \times \text{Speed}^2 = \text{Joules}$

Tested Impact Energy
11,600 Joules
 Equivalent vehicle and speed
4.6 tonne X **5 mph impact**
 Mid Rail 45° Impact on 1500mm Post Centres

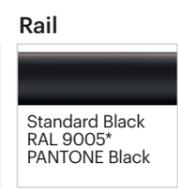
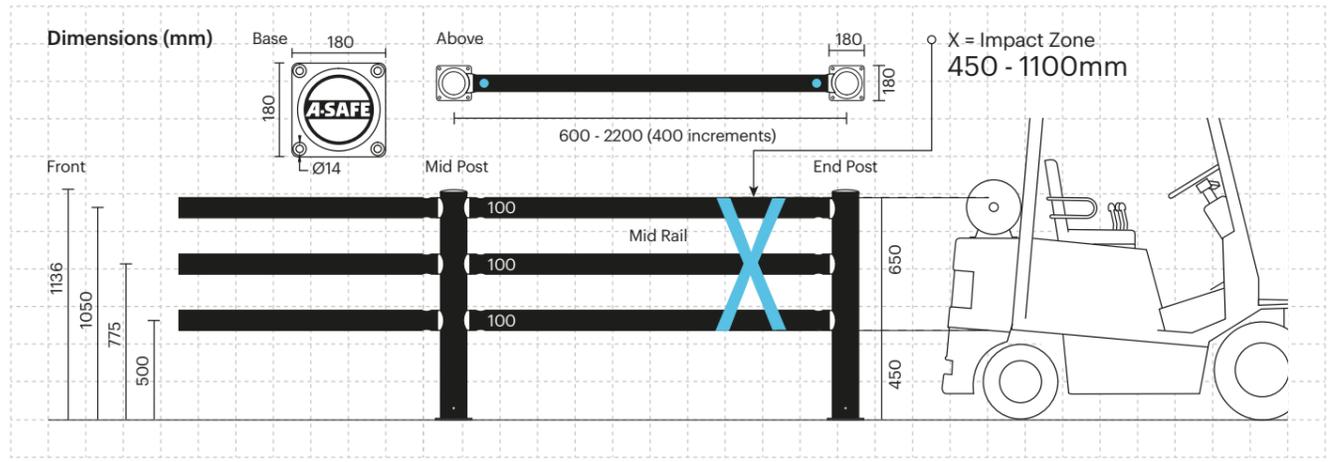
Impact Test	Impact Angle on 1500mm Post Centres			
	90°	67.5°	45°	22.5°
Mid Rail Max Energy (Joules)	5,800	6,795	11,600	39,605

End Post Max Energy (Joules) - 90°	3,700
Mid Post Max Energy (Joules) - 90°	2,700



Material Properties	
Temperature Range	-30°C to 0°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



Colour Combination

*Please note that the RAL and PANTONE colour 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™

Cold Storage Pedestrian Barrier 3 Rail



A-SAFE iFlex Cold Storage Pedestrian Barrier 3 Rail is designed to segregate pedestrians from active forklift trucks and other workplace hazards. This ergonomic barrier has been purpose-engineered for applications within sub-zero environments such as cold storage facilities. It delivers supreme performance in temperatures as low as -30°C.

Manufactured from Memaplex™ Sub-Zero, a unique blend of polymers designed to withstand multiple impacts without cracking or fragmenting, iFlex Cold Storage Pedestrian Barrier 3 Rail Barrier provides visual guidance by defining walkways, while also segregating pedestrians from traffic such as forklift trucks.

Ideal for busy sub-zero environments where vehicles are in operation and there is a risk of collision.



Engineered for performance

A-SAFE Cold Storage products are state of the art and have been precision engineered to deliver the highest levels of performance in extreme sub-zero environments. Designed, developed, tested and manufactured in-house at our cutting-edge facility, every component is purpose-built to function flawlessly and deliver the ultimate in durability.



Climate tested
A-SAFE cold storage products are dynamically impact-tested to PAS 13 standards under realistic climate conditions to ensure they perform perfectly everytime.

bsi.
PAS13

Code of Practice for
Workplace Safety
Barriers