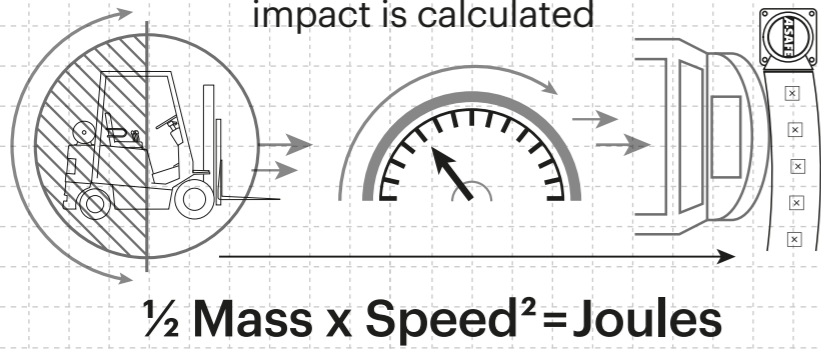


# Technical Information

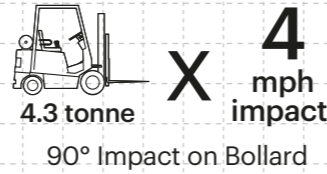
How the energy from a vehicle impact is calculated



### Tested Impact Energy

**6,900 Joules**

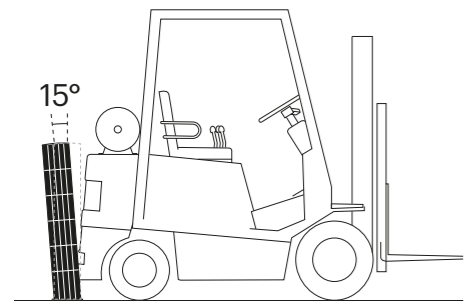
Equivalent vehicle and speed



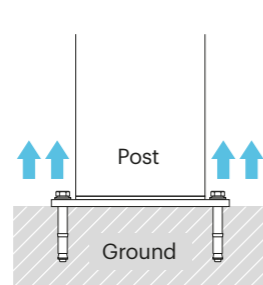
### Impact Test

Max Energy (Joules) at 90° **6,900**

Deflection at Max Energy  
15° Lean



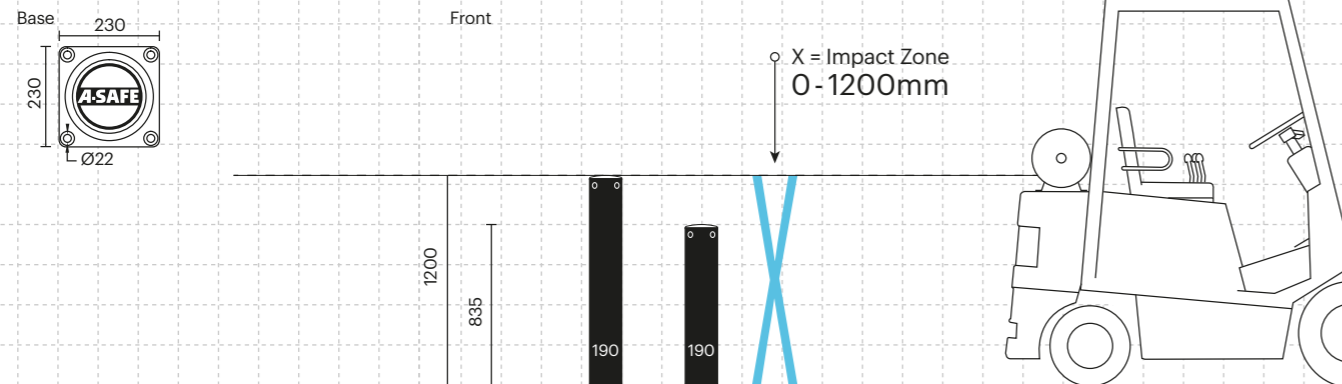
Force to Bolt  
33kN



Material Properties	MEMAPLEX™ SUB-ZERO
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	No

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

### Dimensions (mm)



### Bollard



### 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 Bollard

A-SAFE



A-SAFE iFlex Cold Storage Bollards provide both guidance and robust impact protection within sub-zero environments such as cold storage facilities. Ideal for multiple applications, including infrastructure protection, traffic management and pedestrian segregation, they are purpose-engineered to deliver supreme performance in temperatures as low as -30°C.

iFlex Cold Storage Bollards are manufactured from Memaplex™ Sub-Zero, a unique three-layer blend of polymers designed to withstand multiple impacts without cracking or fragmenting.

Strong, durable and highly visible, A-SAFE bollards provide supreme protection for pedestrians, cold storage facility infrastructure and equipment, while also providing highly visible guidance along pedestrian and vehicle traffic routes.

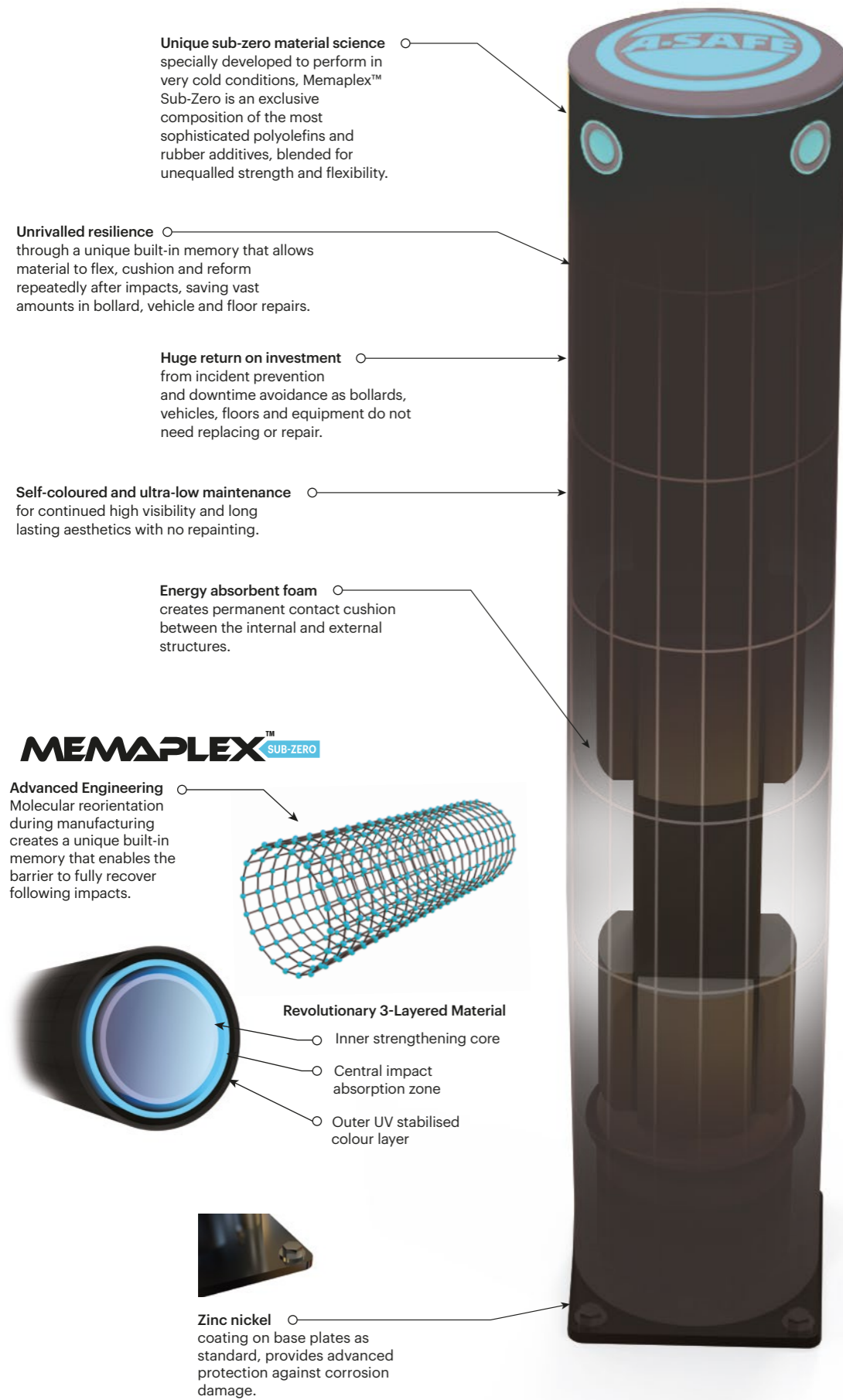
Tested to the global benchmark in barrier safety

**bsi. PAS 13**  
Code of Practice for Workplace Safety Barriers



# 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.



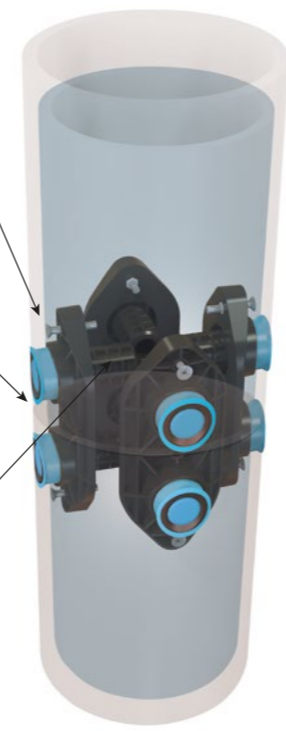
## In-line coupling for height flexibility

The iFlex in-line coupling introduces a new level of modularity to the vertical height of a range of A-SAFE products. The coupling enables customers to take the standard 1200mm bollard up to 2000mm.

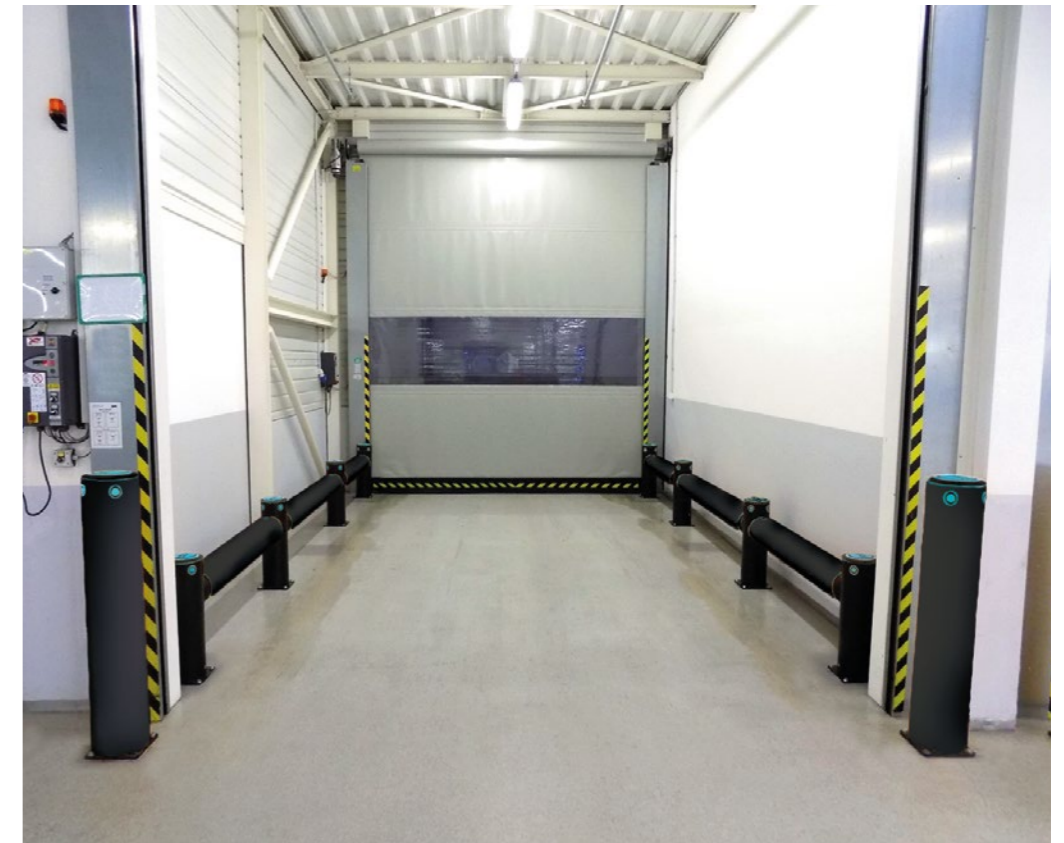
**Four pin positioning** to top and bottom sections gives increased rigidity and stability.

**Seamless join** enables easy stacking of top and bottom bollard sections.

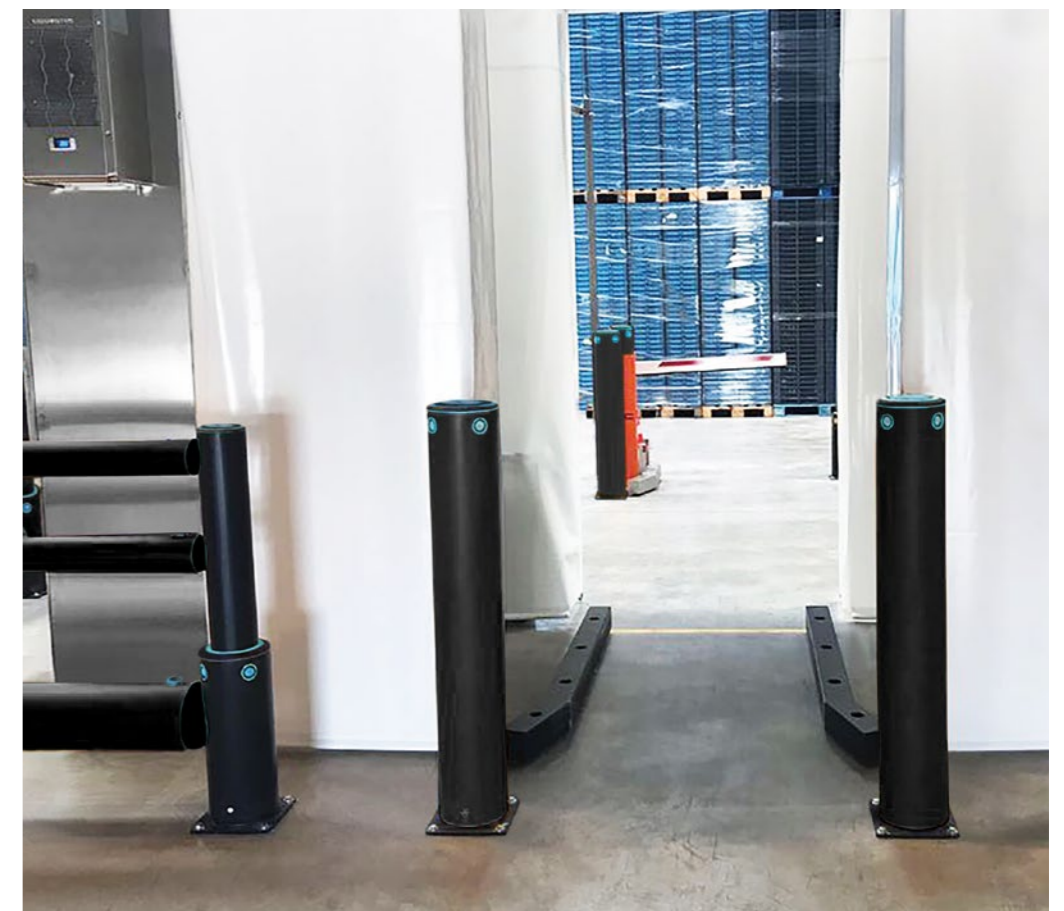
**Moulded pins** lock securely into the internal layer with a quarter turn.



**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.



Highly versatile, A-SAFE Cold Storage Bollards can be installed to protect vulnerable insulated roller doors and other essential cold storage infrastructure.



A-SAFE Cold Storage Bollards are part of a suite of products specifically designed to protect personnel, infrastructure, goods and equipment from impacts with forklifts and other cold storage warehouse equipment.