



Product Brochure



**BANKS
INDUSTRIAL
GROUP**

Your Authorized A-SAFE Distributor
856-687-2227 • sales@banksindustrial.com • BanksIndustrial.com
PO Box 382 • Berlin, NJ 08009

YOUR PROBLEM, OUR INSPIRATION

Where others see problems, we see only potential: the potential to find the solution. In every customer challenge are the seeds of a great idea and a solution nobody has thought of.

Problem solving is why we exist; it is in our DNA and it continues to inspire every product we create.

WHAT MAKES US WHO WE ARE

At A-SAFE we are defined by who we are as much as by what we do. Our values are the foundation for our passion, our products and the strong relationships we forge with our customers.



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We are pioneers

Forge not follow

From our very first invention to every process and customer interaction, we are encouraged to be brave, be dynamic and explore the possible and seemingly impossible. Big or small, it all makes a difference. The key is to always try new things, to learn, adapt and move forward. With a shared sense of enterprise and adventure, we never, ever give up and ask ourselves every day, what if?

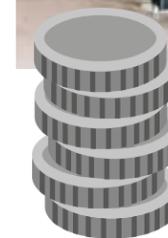
1984
A-FAX Films is established, specializing in polythene extrusion.



2001
Flexi Guardrail invented.



2009
Major installation at Gatwick Airport with **\$130,000+** saving per year in maintenance costs.



100m Steel Guardrail - Total Cost over 5 Years **\$60,000**



100m A-SAFE Guardrail - Total Cost over 5 Years **\$9,500**

2015
The drive for continuous improvement leads to the launch of our 3rd-generation guardrail range.



2017
A-SAFE continues to revolutionize workplace safety, saving more lives than any other safety guardrail.



2018
Our global presence reaches 15 countries, with 16 subsidiaries worldwide.

2019
Customer problems increasingly require digital solutions, prompting us to launch our technology division.



We are in it together

Shoulder to shoulder

More than a collection of employees and customers, we are a collective who act and behave like a family. With mutual commitment, we build powerful, trusted relationships, both with each other and with customers all over the world. While our brand is global, our relationships are local. We get huge satisfaction from building direct relationships with customers – drawing inspiration from their problems to help us forge new ideas.



We do the right thing

From start to finish

There's a right way and wrong way to do things – it's in our DNA to do the right thing, without compromise. Whether we're creating, thinking, making or building – solutions, things or relationships – we take personal ownership of the whole process, finding better ways to do things than any third party could. From safety to risk reduction, protection to cost savings, whatever the problem, we never sit back while someone else does the work, we find the very best way of solving it.

Tested to a global benchmark in guardrail safety

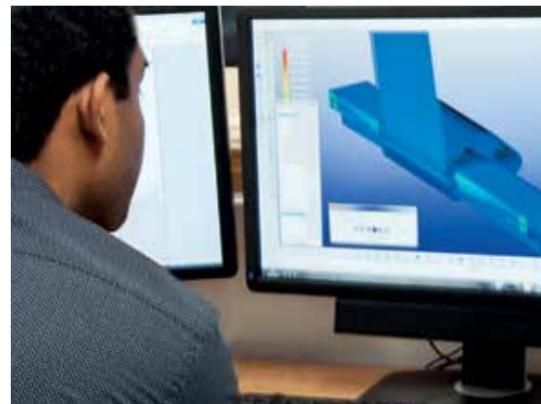
Independently verified by world-class test experts

bsi.
PAS13
Code of Practice for
Workplace Safety
Guardrails



We stand shoulder to shoulder with partners all over the world, including:
3M | Amazon | Jaguar Land Rover | Heineken | DHL | Coca Cola | Heathrow Airport
IKEA | Mars | Kimberley Clark | McCain | Nestlé | P&G | BMW | Volvo Cars

We perform an average of **5 impact tests a day** and over **1,000 tests annually**. That equates to more than **10,000 tests** since creating our in-house test facility.



Scientifically Engineered Safety

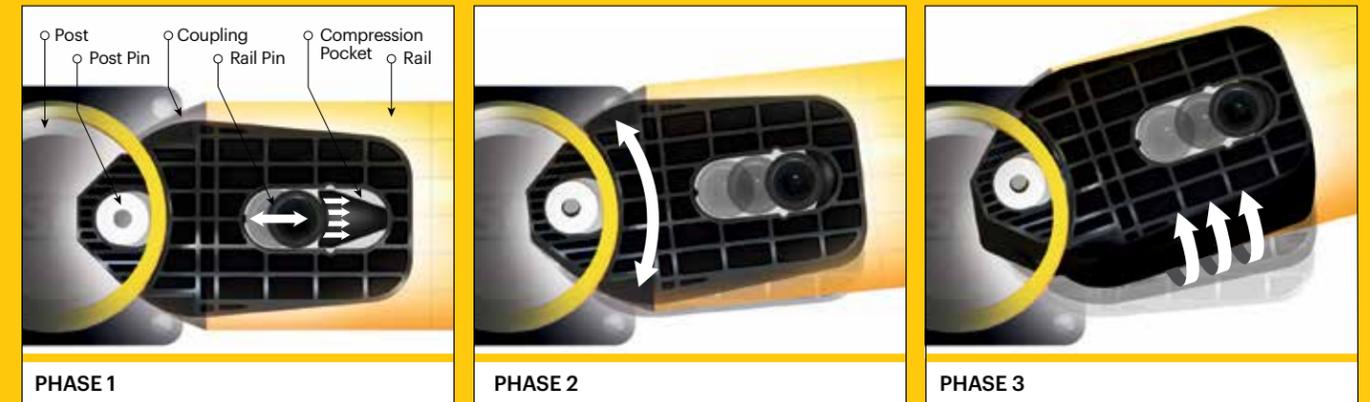
Whether in the resilience, flexibility and in-built memory of our exclusive Memaplex™ material or the unrivalled energy absorption of our patented 3-phase coupling system, every A-SAFE product is loaded with scientific and technical ingenuity to ensure that it performs perfectly every time you need it to.

- More advanced engineering
- More safety features
- Performance you can trust



Patented Energy Absorption System

3-phase system that activates sequentially for unparalleled energy absorption



Unrivalled Performance

- M** Exclusive shock absorbing Memaplex™ polymer
- Purpose-engineered built-in memory for full recovery and repeat use
- Patented Coupling Technology reduces and dissipates dynamic load energy for unequalled energy absorption
- 80% of impact force is absorbed
- No floor damage, preserved fixings
- Reduced maintenance, repair and replacement
- No repainting as system is self-colored
- UV protected and tested to ISO 4892-3
- Color fast to 7/8 on the Blue Wool Scale
- ISO 868** Abrasion resistant with a hardness of 66 to ISO 868
- ISO/TR 10358** No corrosion and chemically inert to ISO/TR 10358
- Material complies with EU & FDA food contact regulations
- Hygiene seals eliminate ingress points
- Electrophoretic coated bases tested to withstand 2000 hours exposure to accelerated salt spray with no rust
- Modularity allows rails and posts to be replaced independently without removing adjacent guardrails
- bsi PAS13** Performance rated and compliant to PAS 13:2017
- TUV** certified



FLEX

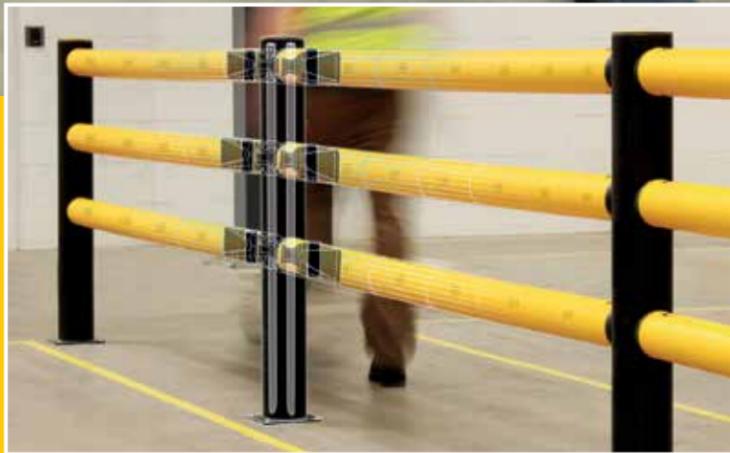
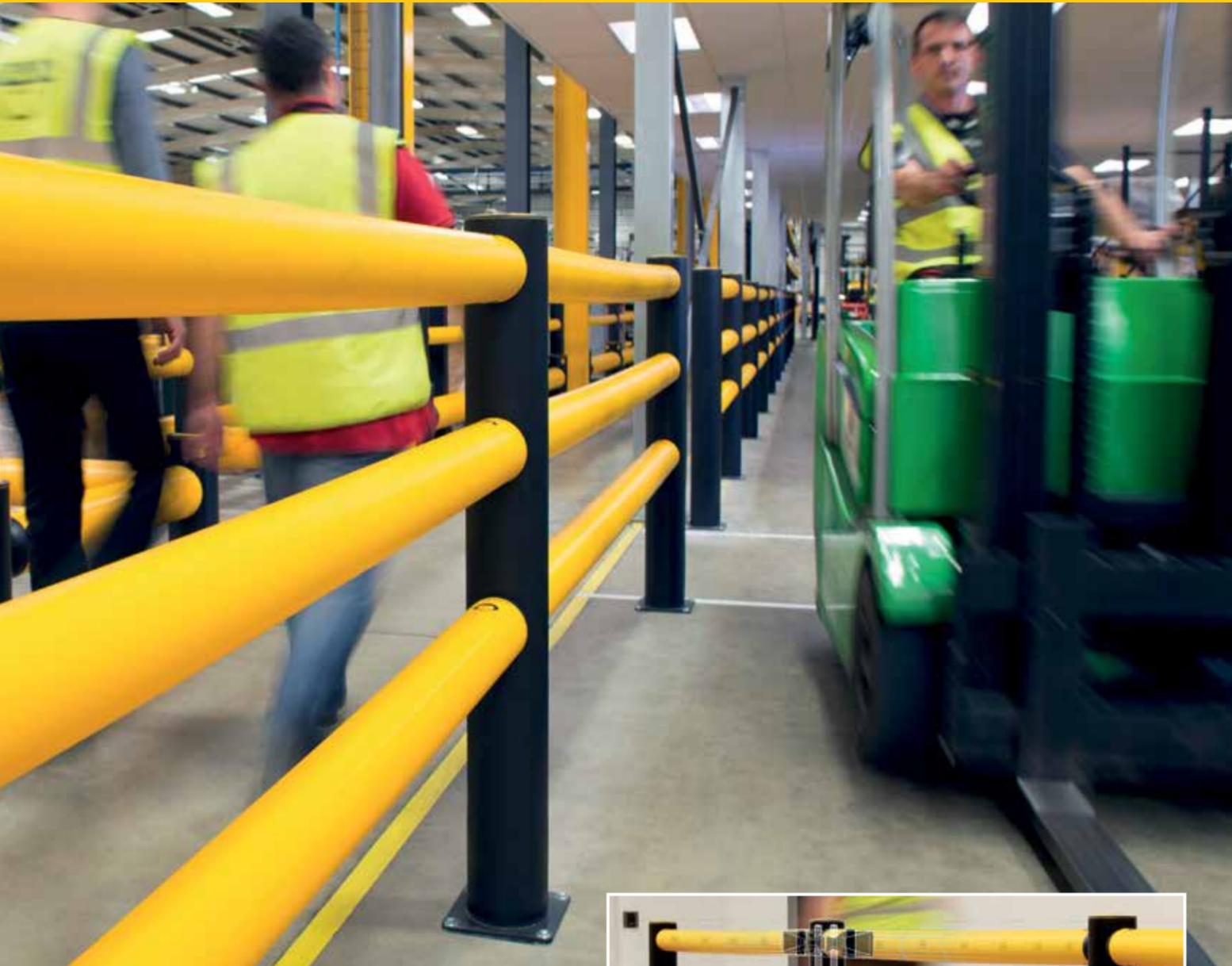


ABSORB



RECOVER

Pedestrian Guardrails



iFlex Pedestrian Guardrail 3 Rail

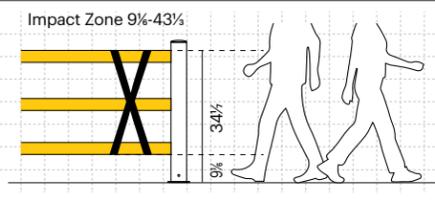
“A-SAFE was considered to be the best option. It is the most cost-effective, especially in the long-term... A-SAFE offer an entirely flexible solution.”
Senior Health and Safety Specialist
TOYOTA MANUFACTURING



eFlex™
 Pedestrian Guardrail 3 Rail

2kN*
 Weight of 2 adults leaning (441 lbs)

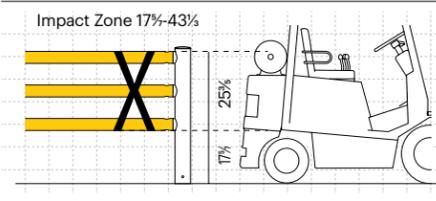
- ✓ Electrophoretic Coated Base



iFlex™
 Pedestrian Guardrail 3 Rail

8,200 Joules*
 3.5 Ton vehicle at 5mph

- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options
- ✓ Hygiene Sealed



Gates



Long Short

iFlex™
 Swing Gate
 Short - Suitable for widths - 31½-47½
 Long - Suitable for widths - 51½-78½

- ✓ Short Gate - Hydraulic Self-Close
- ✓ Long Gate - Stay-Open
- ✓ Double Swing Action
- ✓ Gate Stops Included as Standard



iFlex™
 Slide Gate
 Available in 39%, 59 and 78% widths

- ✓ Stay-Open
- ✓ Telescopic Sliding Motion
- ✓ Space Optimized

- Separate pedestrians
- Guide personnel and visitors
- Define walkways and safe areas
- Restrict people to defined routes
- Clearly mark crossing places
- Designate safe access and exit points



iFlex Pedestrian Guardrail separating traffic and protecting pedestrians within a factory.



eFlex Pedestrian Guardrail guiding pedestrians along a designated route in a warehouse.



iFlex Swing Gate providing safe access to the shop floor.

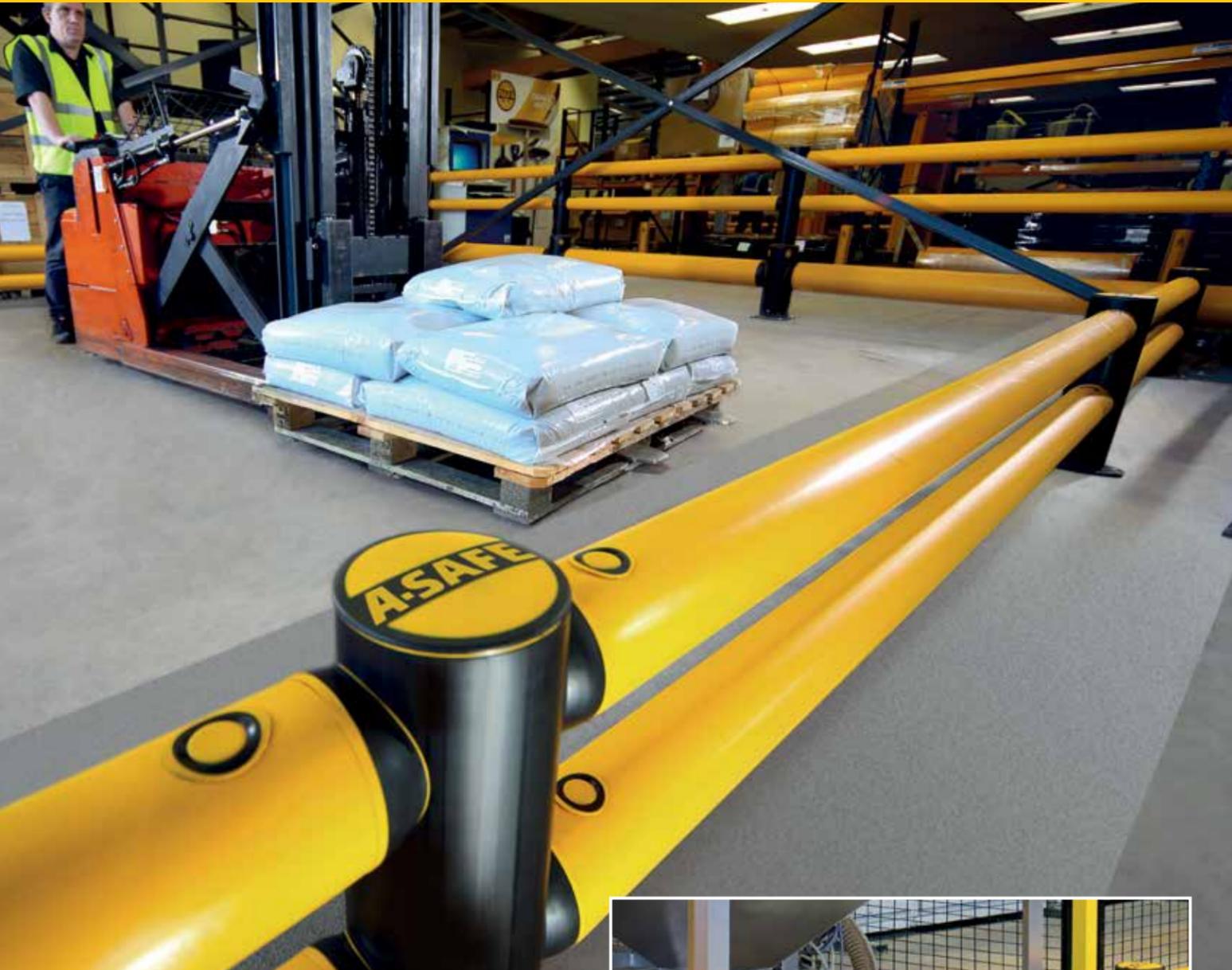


iFlex Slide Gate creating a non-intrusive opening into a pedestrian-vehicle crossing point.

*Ultimate energy load at 45° on a 59 inch rail. All measurements in inches.

Joules ratings are provided for your reference only. Our expert technical teams will always recommend the correct specification for your needs. Impact resistance is subject to environmental factors. See individual data sheets for more information. Data is accurate at time of writing.

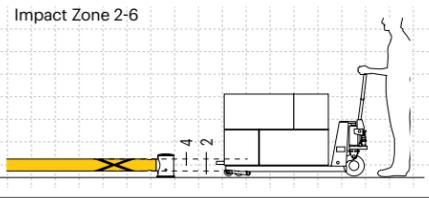
Micro Guardrails



mFlex
Single Traffic Guardrail Ground Level

3,850 Joules*
1.6 Ton vehicle at 5mph

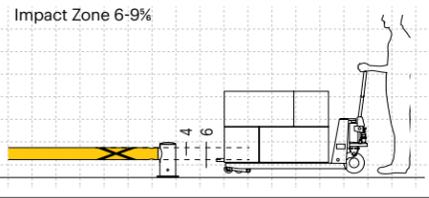
- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options
- ✓ Hygiene Sealed



mFlex
Single Traffic Guardrail

3,850 Joules*
1.6 Ton vehicle at 5mph

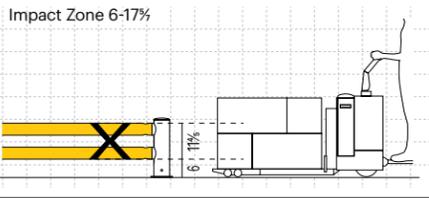
- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options
- ✓ Hygiene Sealed



mFlex
Double Traffic Guardrail

6,500 Joules*
2.8 Ton vehicle at 5mph

- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options
- ✓ Hygiene Sealed



- Separate light duty vehicles
- Safeguard walls, structures, goods and machinery
- Protect against low level impacts
- Shield surfaces from the wear and tear of frequent glancing blows
- Restrict vehicles and their loads to a defined route
- Prevent items encroaching into protected areas
- Delineate storage zones



mFlex Single Traffic protecting metal fencing from pallet trucks at low level.



mFlex Double Traffic creating a perimeter for storage areas.



mFlex Single Traffic Guardrail



mFlex Single Traffic Ground Level creating demarcation of pallet loading zone.



mFlex Single Traffic guiding vehicles and restricting access to a production line.



mFlex Double Traffic shielding equipment along a vehicle route.

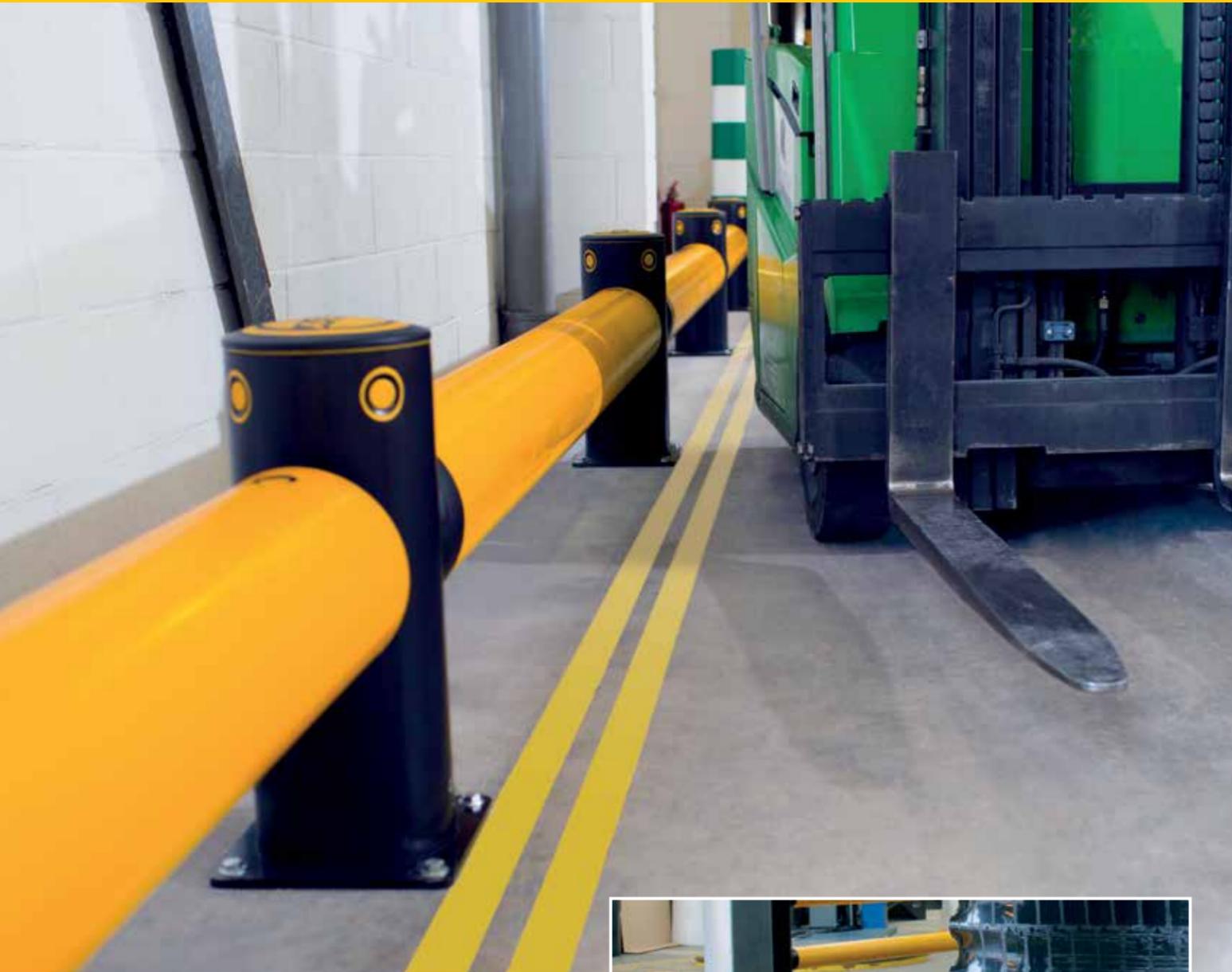
"In addition to how well the guardrails perform, the savings in guardrails and warehouse protection maintenance costs has dropped dramatically."

**Regional Supply Chain Director
NESTLÉ**

*Ultimate energy load at 45° on a 59 inch rail. All measurements in inches.

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Single Traffic Guardrails



iFlex Single Traffic Guardrail

“A-SAFE was agreed as the preferred supplier as they are capable of understanding our needs and providing the right equipment in response to this and to budget.”

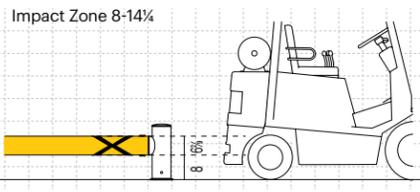
**Engineering Manager
COCA-COLA**



eFlex™
Single Traffic Guardrail

14,400 Joules*
4.4 Ton vehicle at 6mph

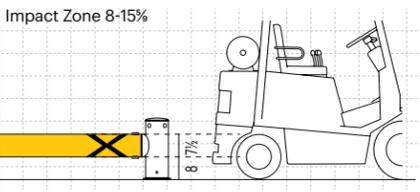
- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base



iFlex™
Single Traffic Guardrail

21,350 Joules*
6.5 Ton vehicle at 6mph

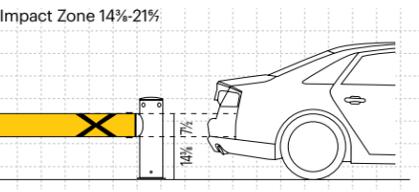
- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options
- ✓ Hygiene Sealed



iFlex™
Single Traffic Guardrail High Level

21,350 Joules*
2.2 Ton vehicle at 10mph

- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options
- ✓ Hygiene Sealed



- Separate workplace vehicles
- Protect buildings, machinery and equipment from impact damage
- Resist and deflect wayward vehicles from colliding with essential assets
- Provide visual guidance for drivers
- Define and defend traffic routes
- Streamline the movement of traffic
- Avoid incidents and downtime



iFlex Single Traffic protecting machinery in a packaging facility.



iFlex Single Traffic High Level shielding the perimeter of a split level parking lot.



eFlex Single Traffic defending equipment in a manufacturing facility.



iFlex Single Traffic defining vehicle routes in a new build packing facility.



iFlex Single Traffic High Level guarding boundaries in a multi-level parking lot.

*Ultimate energy load at 45° on a 78% inch rail. All measurements in inches.

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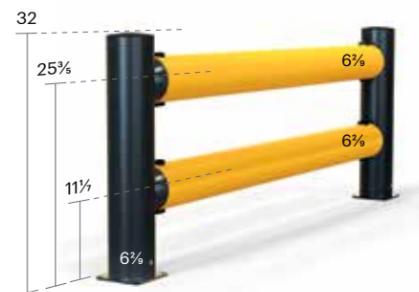
Double Traffic Guardrails



iFlex Double Traffic Guardrail

“Guardrails that were installed eight years ago in our transit area show no signs of erosion...Since the installation of A-SAFE guardrails, damages are decreased in the building and at our facilities.”

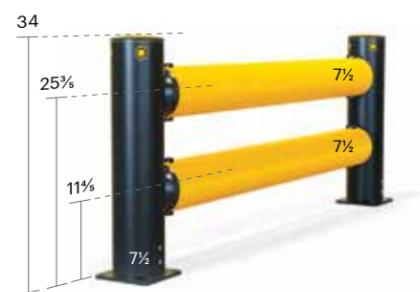
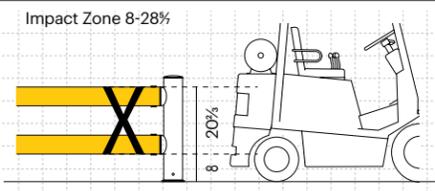
**Occupational Safety Specialist
RITTER SPORT**



eFlex™
Double Traffic Guardrail

19,000 Joules*
5.7 Ton vehicle at 6mph

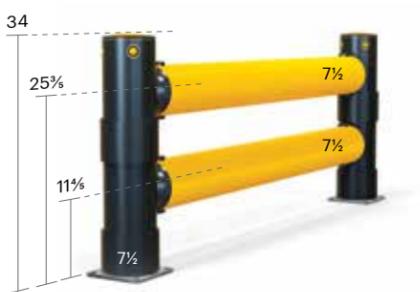
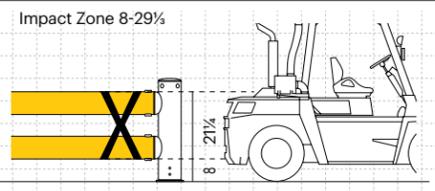
- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base



iFlex™
Double Traffic Guardrail

28,950 Joules*
8.8 Ton vehicle at 6mph

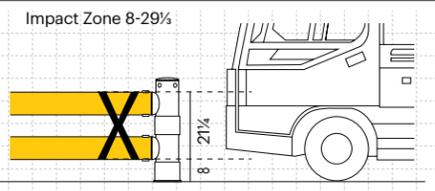
- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options
- ✓ Hygiene Sealed



Atlas™
Double Traffic Guardrail

28,950 Joules*
8.8 Ton vehicle at 6mph

- ✓ Patented Coupling Technology
- ✓ Galvanized Base as Standard
- ✓ Additional Base Options
- ✓ Heavy Duty Self-Undercutting Anchors
- ✓ Rotating Wear Collars
- ✓ Enhanced Pull-Out Resistance
- ✓ Hygiene Sealed



- Separate heavyweight vehicles
- Shield high traffic areas
- Protect buildings, machinery and equipment from impact damage
- Resist and deflect straying vehicles from colliding with essential assets
- Provide visual guidance for drivers
- Define and defend traffic routes
- Streamline the movement of traffic
- Avoid incidents and downtime



iFlex Double Traffic protecting main sprinkler system in a food processing factory.



Atlas Double Traffic with reflective striping protecting an airport mast and electrical unit.



eFlex Double Traffic shielding equipment in a manufacturing facility.



iFlex Double Traffic protecting a mill turn CNC machine in a manufacturing facility.

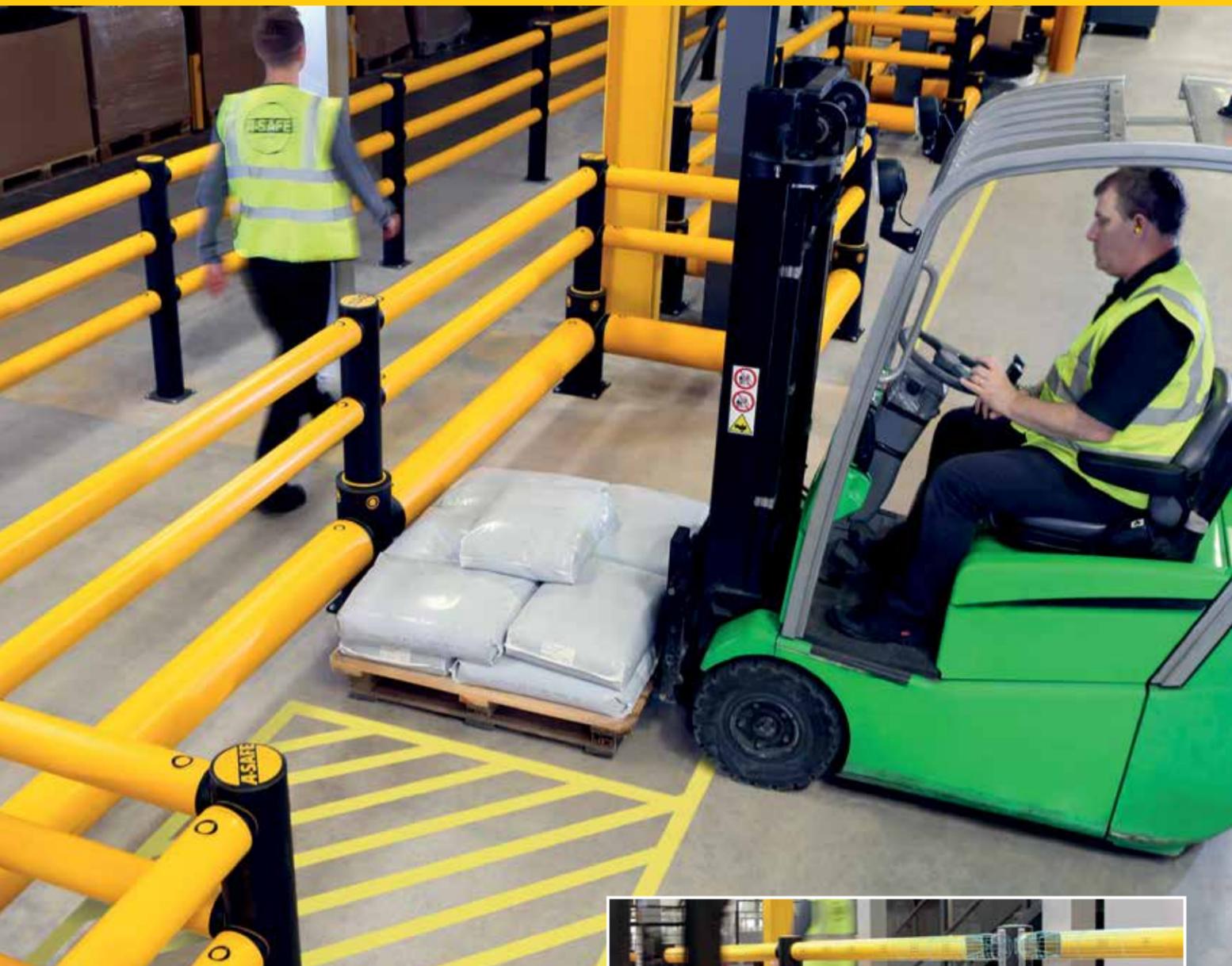


Atlas Double Traffic defending an airport runway lighting pylon.

*Ultimate energy load at 45° on a 78% inch rail. All measurements in inches.

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Traffic Guardrails+



iFlex Double Traffic Guardrails+

“Due to the resilience of the material and its ability to deflect and bend under loads, damage to the driver or pedestrian is reduced as is the need for constant repair.”

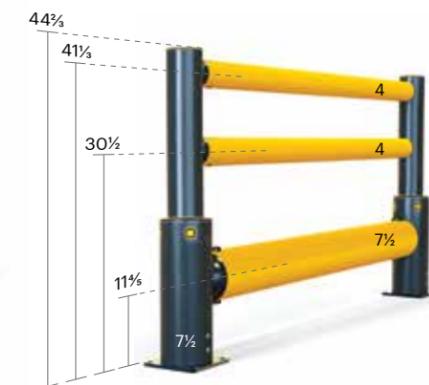
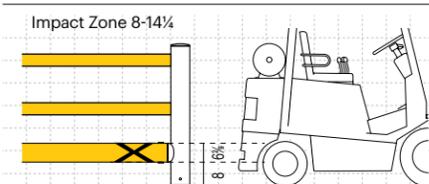
**Facilities Engineer
KIMBERLY-CLARK**



eFlex™ Single Traffic Guardrail+

14,400 Joules*
4.4 Ton vehicle at 6mph

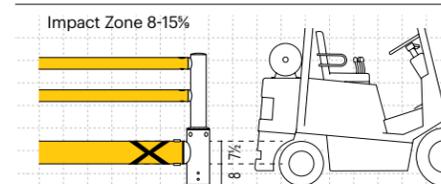
- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base



iFlex™ Single Traffic Guardrail+

21,350 Joules*
6.5 Ton vehicle at 6mph

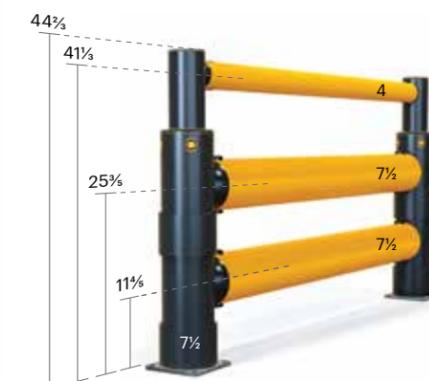
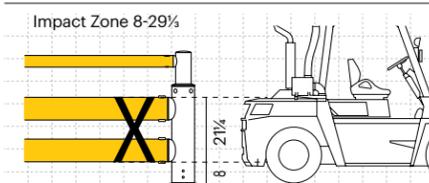
- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options
- ✓ Hygiene Sealed



iFlex™ Double Traffic Guardrail+

28,950 Joules*
8.8 Ton vehicle at 6mph

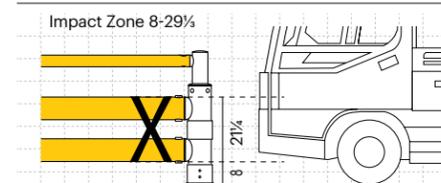
- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options
- ✓ Hygiene Sealed



Atlas™ Double Traffic Guardrail+

28,950 Joules*
8.8 Ton vehicle at 6mph

- ✓ Patented Coupling Technology
- ✓ Galvanized Base as Standard
- ✓ Additional Base Options
- ✓ Heavy Duty Self-Undercutting Anchors
- ✓ Rotating Wear Collars
- ✓ Enhanced Pull-Out Resistance
- ✓ Hygiene Sealed



*Ultimate energy load at 45° on a 78% inch rail. All measurements in inches.

Joules ratings are provided for your reference only. Our expert technical teams will always recommend the correct specification for your needs. Impact resistance is subject to environmental factors. See individual data sheets for more information. Data is accurate at time of writing.

- Separate pedestrians and vehicles
- Protect against high energy impacts where people also operate
- Define and defend pedestrian and vehicle routes
- Create pedestrian safe zones
- Control the movement of traffic



iFlex Single Traffic+ protecting a pedestrian work zone in a busy distribution center.



iFlex Single Traffic+ creating picking lanes in a high traffic warehouse environment.



iFlex Double Traffic+ protecting pedestrian walkway from heavy commercial vehicles.



Atlas Double Traffic+ guardrails protecting pedestrian walkways.

Topple Guardrails



"In comparison to other safety guardrail, A-SAFE proves to be the most cost-effective way of ensuring a high level of safety on our site...By choosing A-SAFE we have lowered the risk of any major damage."

**Quantity Surveyor
IBM**



iFlex Topple Guardrail

1. Base sections

Select the base section best suited for your facility and traffic



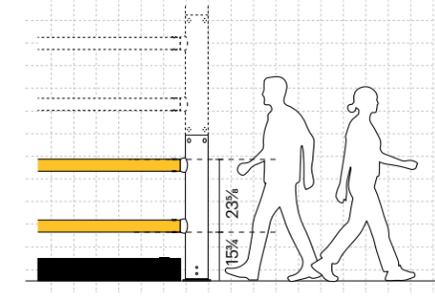
iFlex™

Topple Guardrail

882 lbs Horizontal Load

Equivalent 1.1 Ton Pallet

- ✓ Protects Pedestrians from Topple Accidents
- ✓ Fork Protection as Standard
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options



iFlex™

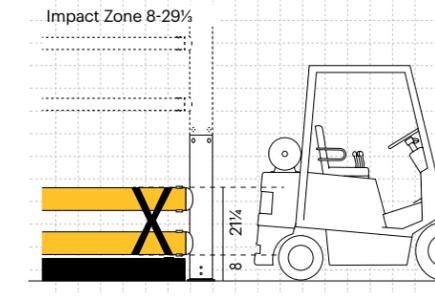
Heavy Duty Topple Guardrail

28,950 Joules*

8.8 Ton vehicle at 6mph

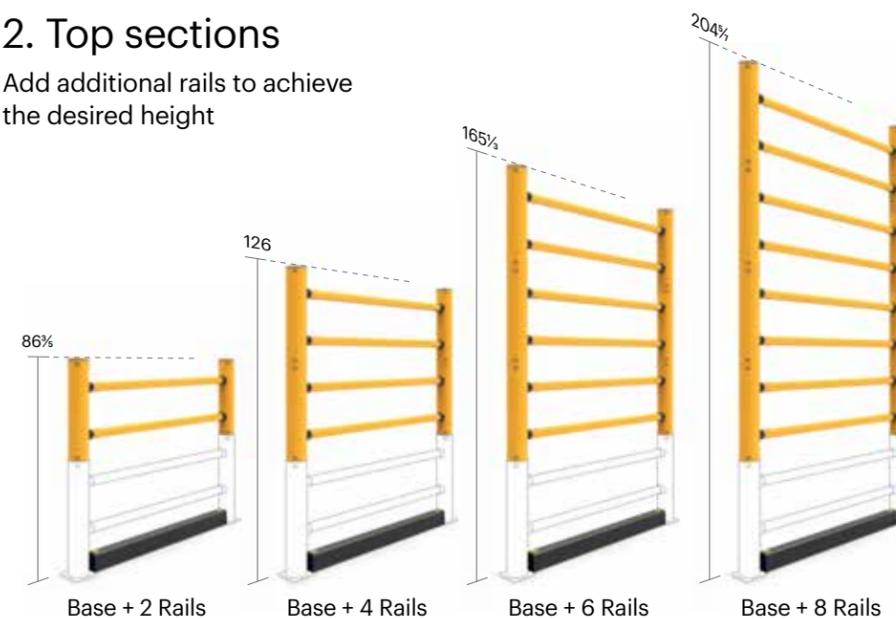


- ✓ Protects Pedestrians from Vehicle Impacts and Topple Accidents
- ✓ Fork Protection as Standard
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options



2. Top sections

Add additional rails to achieve the desired height

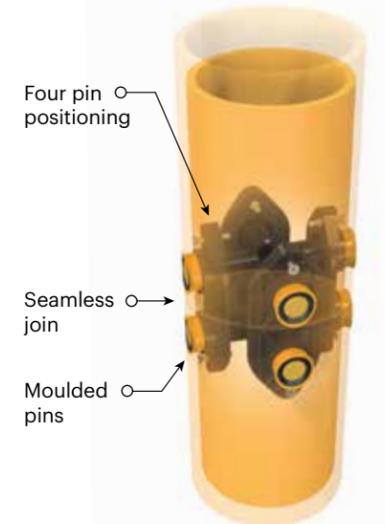


*Ultimate energy load at 45° on a 78% inch rail. All measurements in inches.

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- Separate vehicles from pedestrians, buildings and equipment
- Protect from floor to height
- Isolate high level hazards
- Shield mezzanines and split level buildings
- Define and defend traffic routes
- Secure high-storage zones
- Prevent the dangerous toppling of stacked goods

In-line coupling for a complete modular solution

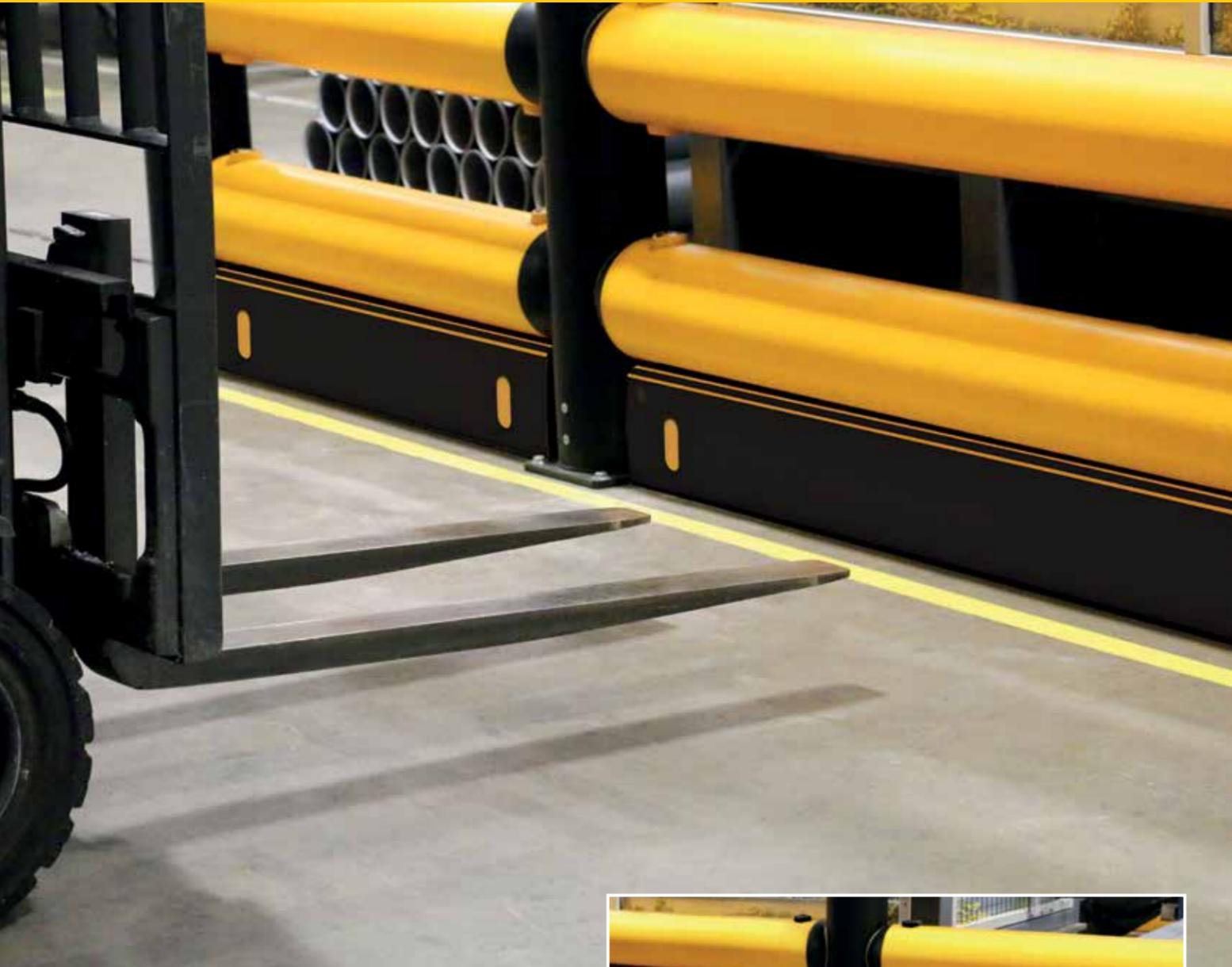


The iFlex in-line coupling introduces a new level of modularity to the A-SAFE range of high-performance guardrail products. This robust solution makes it possible to construct topple guardrails ranging in height from 86% to 204% by simply adding the required number of additional rail modules to a universal base unit.



iFlex Topple Guardrail protecting pedestrians from stacked bulk goods.

ForkGuard



iFlex ForkGuard Guardrail

"It's pre-colored, doesn't rust, is fork-lift-truck-proof, never needs painting and is highly visible...more cost effective than steel, easily cleaned with cleaning fluids, easily and cheaply installed with little maintenance costs; brilliant!"

**Site Manager
SEABROOK CRISPS**

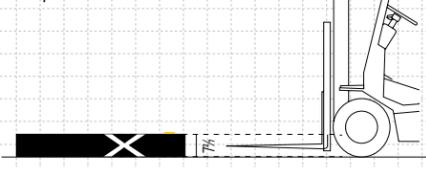


eFlex ForkGuard Guardrail

3,000 Joules*
2.1 Ton vehicle at 4mph

- ✓ Simple Install From Above
- ✓ Fork Deflection

Impact Zone 0-7 1/2"

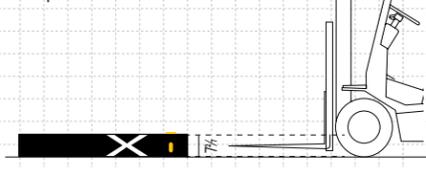


iFlex ForkGuard Guardrail

4,500 Joules*
2.8 Ton vehicle at 4mph

- ✓ Retro Fit Under Existing Guardrails
- ✓ Anti-Pierce AERO™ Core
- ✓ Simple Installation From Side

Impact Zone 0-7 1/2"



Precision engineered AERO technology

New and exclusive AERO Technology provides powerful internal reinforcement along the full length of the protective body, delivering unprecedented levels of impact resistance and fork protection.

- Reinforced resistance
- Fortified flexibility
- Anti-piercing protection

- Separate vehicles with low impact zones
- Protect walls, buildings, critical structures and equipment at ground level
- Shield from vehicle forks
- Define and guard traffic routes
- Protect against shallow angular impacts
- Prevent items protruding into work areas
- Create pallet stops for stored goods
- Integrate with guardrail systems where there is a risk of fork penetration



eFlex ForkGuard with corner posts shielding the feet of a high level conveyor system in a distribution center.



iFlex ForkGuard guarding crane columns from fork penetration in a manufacturing facility.



eFlex ForkGuard protecting walls at ground level in a distribution facility.



iFlex ForkGuard protecting walls at ground level in a high traffic logistics center.



iFlex Single Traffic Guardrail combined with iFlex ForkGuard to protect facility walls.

*Ultimate energy load at 90° above a 39% length. All measurements in inches.

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Column and Corner Guards



FlexiShield

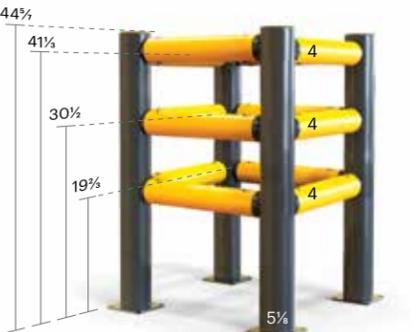
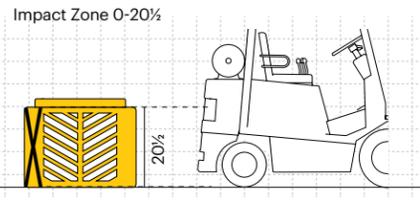
"A-SAFE Column Protection has safeguarded all the many support columns around the perimeter as well as supporting the open internal column supports."
Warehouse Manager
CO-OP



FlexiShield™ Column Guard

1,600 Joules*
2 Ton vehicle at 3mph

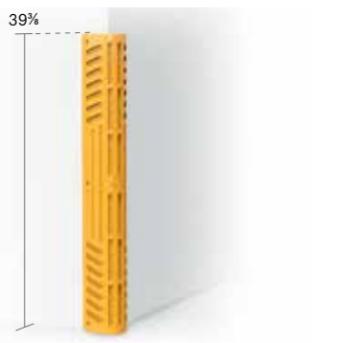
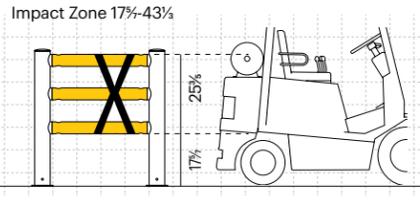
- ✓ Interlocking Stackability
- ✓ Universal Square & Rectangle Columns
- ✓ Wrap Around Solution
- ✓ Encased Fixings
- ✓ Fork Deflection
- ✓ Simple Installation



iFlexRail™ Column Guard

8,200 Joules**
3.5 Ton vehicle at 5mph

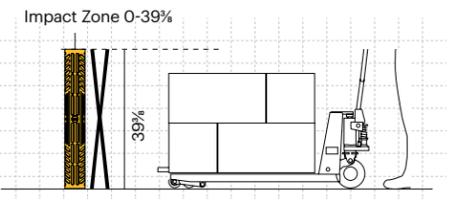
- ✓ Patented Coupling Technology
- ✓ Any Column Shape or Location
- ✓ Isolated System
- ✓ Hygiene Sealed



FlexiShield™ Corner Guard

200 Joules*
2.2 Ton vehicle at 1mph

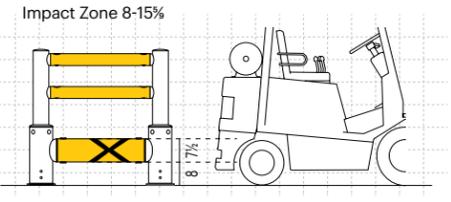
- ✓ Stackability Increases Impact Zone to any Height
- ✓ Simple Installation
- ✓ Space Optimised



iFlexRail™ Column Guard+

19,450 Joules**
6 Ton vehicle at 6mph

- ✓ Patented Coupling Technology
- ✓ Any Column Shape or Location
- ✓ Isolated System
- ✓ Hygiene Sealed



- Separate and guide vehicles away from critical structures
- Physically protect columns, building supports and vertical structures from impact damage
- Provide visual guidance for drivers
- Shield infrastructure from vehicle collisions
- Defend any size, shape or location of column
- Safeguard structures of any height



Corner Guard protecting wall edges of a facility.



iFlexRail Column Guard protecting a waterfall pipe in a pedestrian area of a distribution facility.



iFlexRail Column Guard+ guarding a fluted column base in a hygiene sensitive environment.



FlexiShield Column Guards providing high level protection to a rectangle beam on a corner.

*Ultimate energy load at 90°. **Ultimate energy load at 45° on a 59 rail. All measurements in inches.

Joules ratings are provided for your reference only. Our expert technical teams will always recommend the correct specification for your needs. Impact resistance is subject to environmental factors. See individual data sheets for more information. Data is accurate at time of writing.

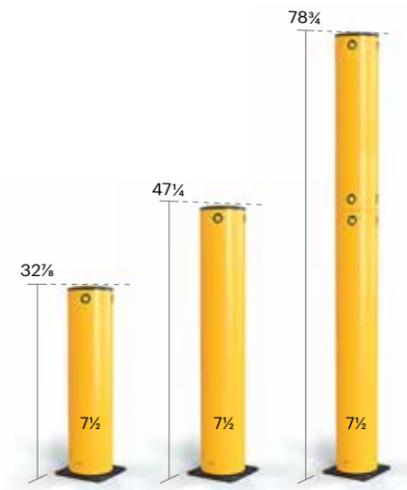
Bollards



iFlex 1200mm Heavy Duty Bollard

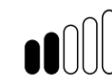
"A-SAFE have been tremendously effective in providing protected walkways for public safety. The reason we chose A-SAFE bollards was because of price, ease of fitting, visibility and durability."

**Senior Facilities Manager
Blewater Shopping Centre**



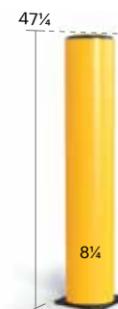
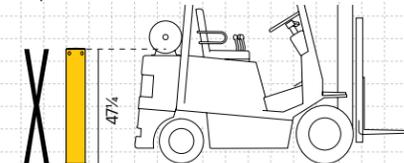
iFlex
Bollard

6,900 Joules*
4.7 Ton vehicle at 4mph



- ✓ Energy Absorbing Core
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options

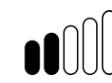
Impact Zone 0-47%



iFlex

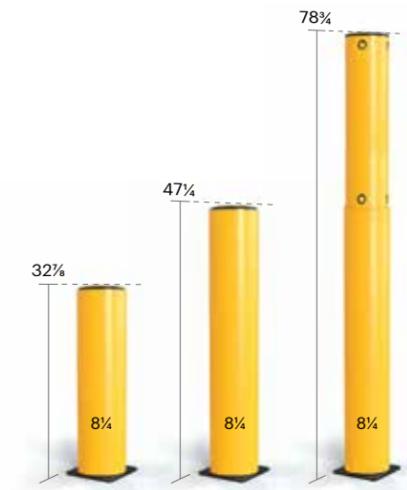
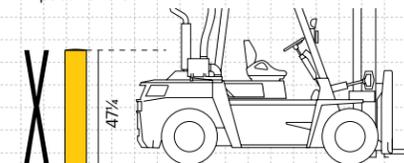
Heavy Duty Bollard

8,800 Joules*
11 Ton vehicle at 3mph



- ✓ High Impact Reinforced Core
- ✓ Wear Collar for Added Protection
- ✓ Heavy Duty Galvanized Base

Impact Zone 0-47%



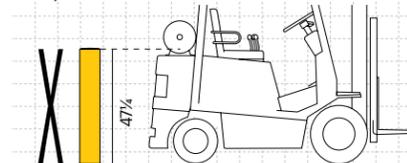
iFlex
Bollard with Wear Collar

6,900 Joules*
4.7 Ton vehicle at 4mph



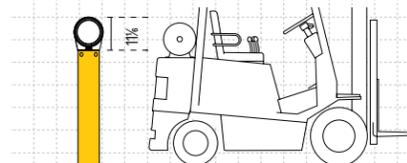
- ✓ Energy Absorbing Core
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options
- ✓ Wear Collar for Added Protection

Impact Zone 0-47%



Sign Cap

- ✓ Ideal for Health and Safety Information
- ✓ Simple Installation
- ✓ Can be Retrofitted



- Protect structures from impact damage
- Safeguard machinery while allowing access
- Defend sharp turns, corners and vulnerable impact points
- Provide a physical presence for access and guidance control for pedestrians and drivers



Bollards used to defend entranceway columns in storage facility.



Bollards shielding door frames and shutter runners in a newly built warehousing and distribution center.



Heavy Duty Bollards segregating workplace vehicles from pallet areas.



Sign Cap providing essential health and safety information.

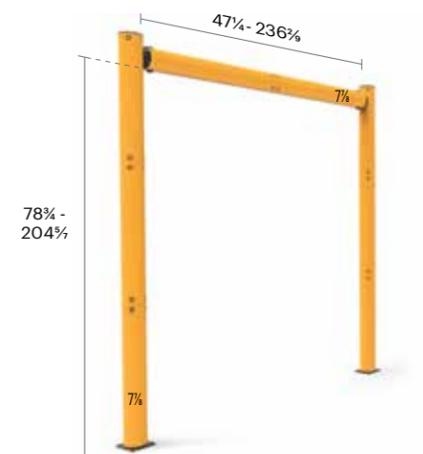
*Ultimate energy load at 90°. All measurements in inches.

Joules ratings are provided for your reference only. Our expert technical teams will always recommend the correct specification for your needs. Impact resistance is subject to environmental factors. See individual data sheets for more information. Data is accurate at time of writing.

Height Restrictor and Alarm Bar



Height Restrictor



iFlex Height Restrictor

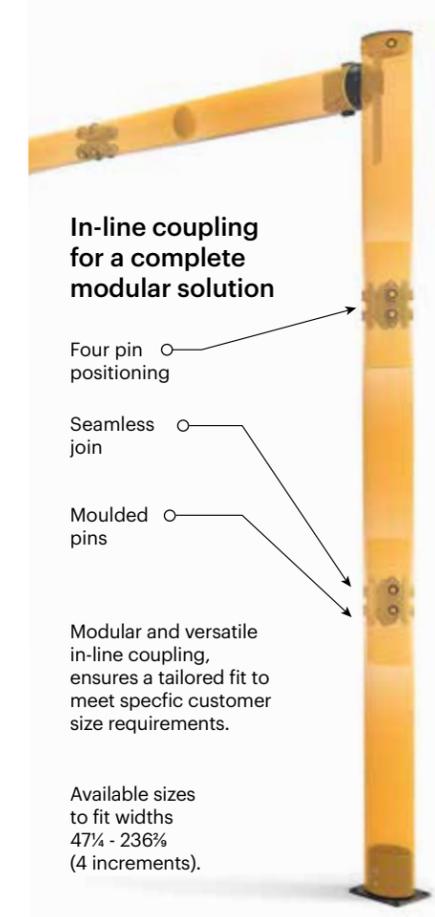
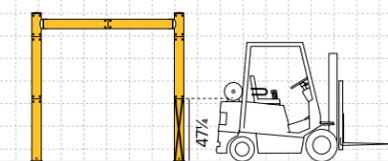
5,400 Joules*

6.6 Ton vehicle at 3mph



- ✓ Energy Absorbing Core
- ✓ Electrophoretic Coated Base
- ✓ Additional Base Options

Impact Zone 0-47 1/4



In-line coupling for a complete modular solution

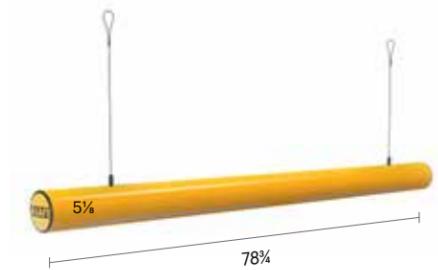
Four pin positioning

Seamless join

Moulded pins

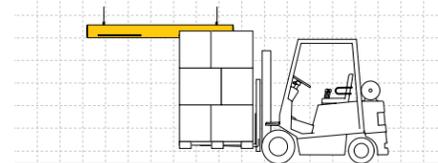
Modular and versatile in-line coupling, ensures a tailored fit to meet specific customer size requirements.

Available sizes to fit widths 47 1/4 - 236 1/4 (4 increments).



Alarm Bar

- ✓ 102dB Auditory Alert
- ✓ 68lm/M Flashing Red Indicator Strips
- ✓ Double Fitting Gripples For Easy Install
- ✓ 2 Year Battery Life
- ✓ Versatile Overhead Application



"We decided to have A-SAFE installed and we've been very pleased with the way they've ensured greater safety throughout the depot."

**Risk & Facilities Manager
DHL**

- Protect the edges of doorway openings
- Shield overhead equipment and cables
- Prevent impact damage from high vehicles, high vehicle loads and fork lift truck masts
- Warn vehicle drivers that their vehicle or load is too high

- Protects overhead assets
- Safeguards infrastructure, such as doorframes and loading docks
- Audible and visible alarms to prevent damage



Height Restrictor providing visual guidance and physical protection for vehicle drivers.



Height Restrictor protecting the edge of a doorway.



Multiple Alarm Bar safeguarding an overhead structure.



The Alarm Bar providing a visual alert to a vehicle driver.

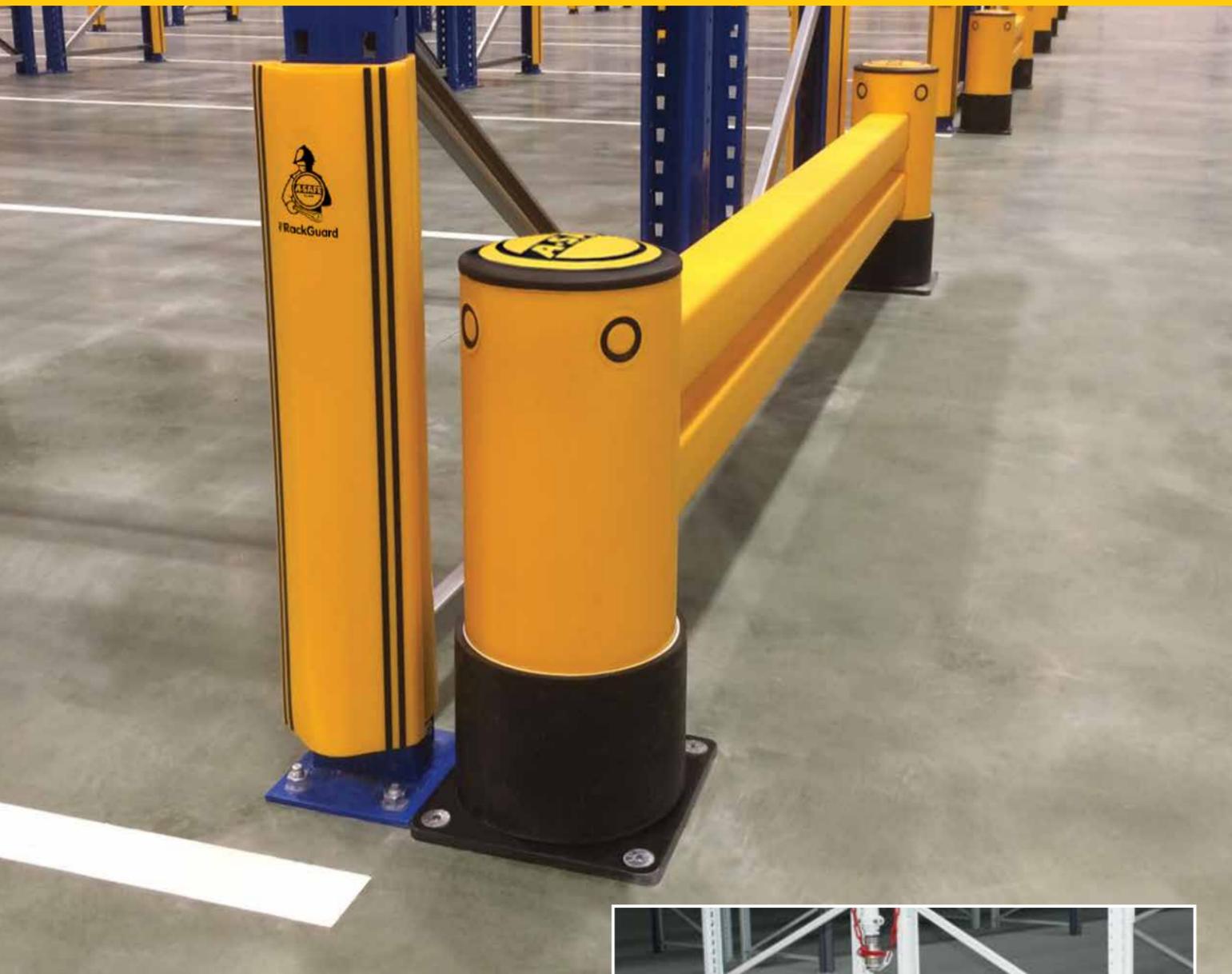


The Alarm Bar providing an audible alarm to alert a vehicle driver.

*Ultimate energy load at 90°. All measurements in inches.

Joules ratings are provided for your reference only. Our expert technical teams will always recommend the correct specification for your needs. Impact resistance is subject to environmental factors. See individual data sheets for more information. Data is accurate at time of writing.

RackEnd Guardrails



RackGuard & iFlex Single RackEnd Guardrail

“RackEnd Single Rail units in the new freezer storage facility... A-SAFE worked with us to create the racking protection system which will accommodate the low temperature.”

Warehouse Manager
CO-OP Distribution Centre

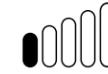


eFlex™

Single RackEnd Guardrail

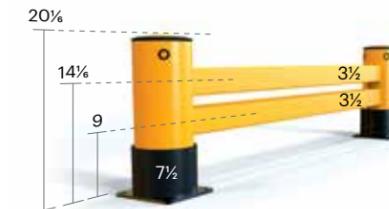
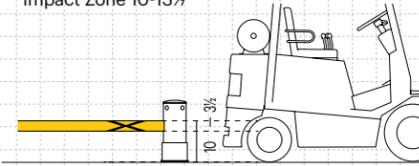
5,600 Joules*

3.8 Ton vehicle at 4mph



- ✓ Rotating Wear Collars
- ✓ Simple Installation
- ✓ Electrophoretic Coated Base

Impact Zone 10-13%



eFlex™

Double RackEnd Guardrail

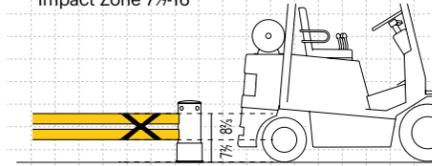
8,400 Joules*

5.7 Ton vehicle at 4mph



- ✓ Rotating Wear Collars
- ✓ Simple Installation
- ✓ Electrophoretic Coated Base

Impact Zone 7%-16%



iFlex™

Single RackEnd Guardrail

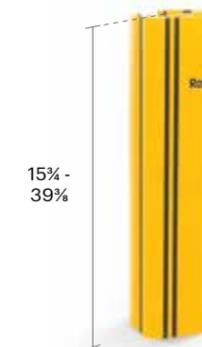
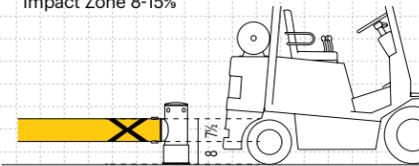
21,350 Joules*

9.3 Ton vehicle at 5mph



- ✓ Patented Coupling Technology
- ✓ Rotating Wear Collars
- ✓ Electrophoretic Coated Base
- ✓ Hygiene Sealed

Impact Zone 8-15%



RackGuard™

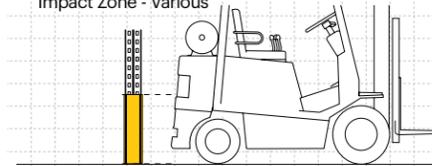
Rack Leg Protector

1,000 Joules**



- ✓ Compression Hinge
- ✓ Centralizing Rubber Lug
- ✓ Simple Installation

Impact Zone - Various



- Protect vulnerable racking from catastrophic damage
- Absorb and deflect repeated glancing contact from turning vehicles
- Defend against vehicle fork impacts



eFlex Single RackEnd used with RackGuard to protect racking at warehouse facility.



eFlex Double RackEnd used with iFlex ForkGuard to protect racking from vehicles and forks at distribution center.



iFlex Single RackEnd Guardrail used to protect racking at retail warehouse and distribution center.

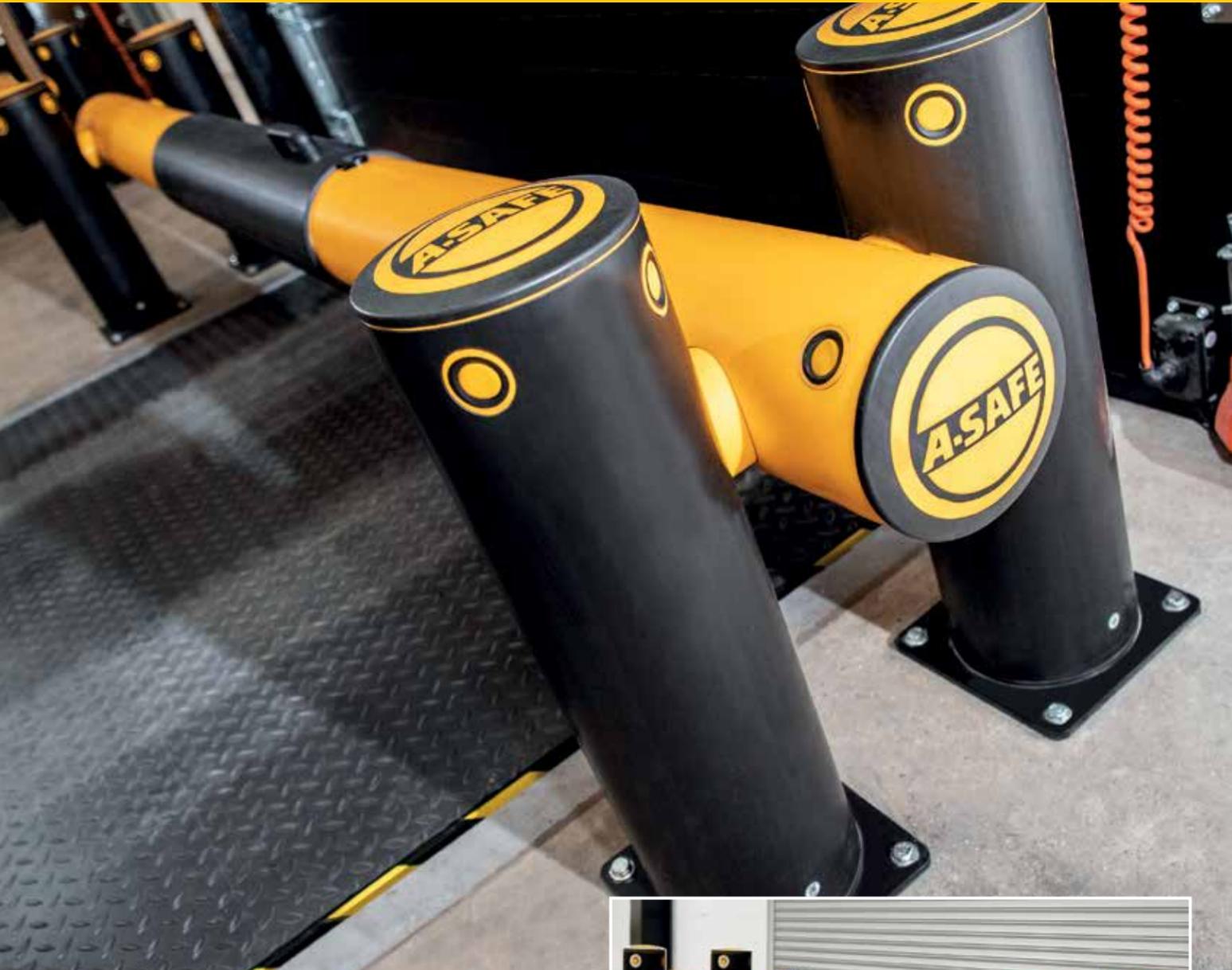


RackGuards used at vulnerable impact points on rack legs at packaging warehouse facility.

*Ultimate energy load at 45° on a 78% rail. **Ultimate energy load at 90°. All measurements in inches.

Joules ratings are provided for your reference only. Our expert technical teams will always recommend the correct specification for your needs. Impact resistance is subject to environmental factors. See individual data sheets for more information. Data is accurate at time of writing.

Service Yard Protection



iFlex Dock Gate

“The General Manager was so impressed that we ordered further quantities of the protector systems and we’re now converting our whole site to A-SAFE.”

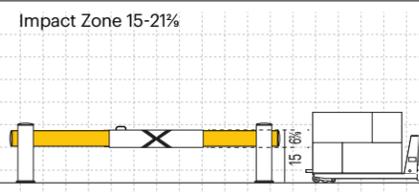
**Engineering Manager
DHL**



eFlex™
Dock Gate

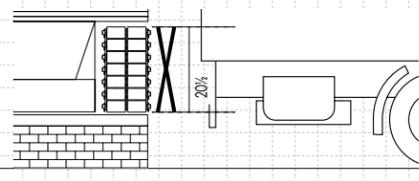
4,000 Joules*
2.7 Ton vehicle at 4mph

- ✓ Patented Protective Technology
- ✓ Electrophoretic Coated Base



Dock Roller

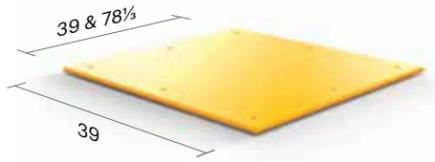
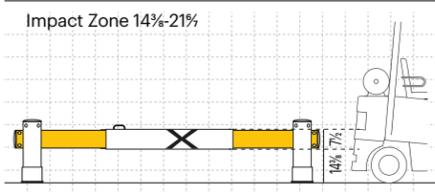
Unlike standard dock buffers our innovative roller system works differently to avoid wear and tear and ensure docking bays stay protected. The unique roller system has a high impact polymer outer and a shock absorbing inner layer.



iFlex™
Dock Gate XL

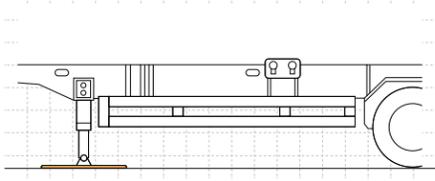
7,000 Joules*
7.9 Ton vehicle at 3mph

- ✓ Patented Protective Technology
- ✓ Rotating Wear Collars
- ✓ Electrophoretic Coated Base



Trailer Plate

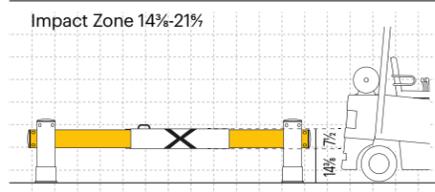
A shield between HGVs and the loading zone floor, ensuring an even and supported surface for trailer landing legs. Manufactured from our patented Memplex™ material, Trailer Plates are rust and corrosion resistant.



iFlex™
Dock Gate

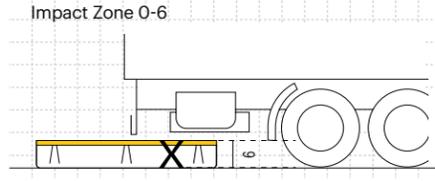
12,000 Joules*
7.7 Ton vehicle at 4mph

- ✓ Patented Protective Technology
- ✓ Rotating Wear Collars
- ✓ Electrophoretic Coated Base



Truck Stop

Manufactured from high performance recycled rubber, Truck Stops are weather and crack resistant, maintaining their form under pressure. High visibility markings mean the Truck Stop can be seen by both drivers and pedestrians. Five fixings per unit ensure a secure fastening on both concrete and tarmac.



eFlex Dock Gates protecting dock loading bays.



Dock Rollers protect loading bay walls at warehousing and distribution facility.



Trailer Plates used under trailer landing legs to protect concrete at distribution center loading bay.



Truck Stops create a highly visible and physical stop point at retail warehouse distribution center.

*Ultimate energy load at 90°. All measurements in inches.

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Cold Storage



MEMAPLEXTM SUB-ZERO

Memaplex Sub-Zero has been developed by world-class polymer scientists to deliver maximum performance at sub-zero temperatures as low as -22°F. Created from a unique blend of polymers, Memaplex Sub-Zero is designed to withstand impacts without cracking or fragmenting. It is food-safe, wipe clean and self-colored for maximum hygiene and ease of care.



- Inner strengthening core
- Central impact absorption zone
- Outer UV stabilized color layer

All round, I am very happy with the A-SAFE guardrails. The installers from A-SAFE were very professional, with the relevant paperwork and procedures. As contractors they were very easy to work with. Since the installation we have had no issues at all.

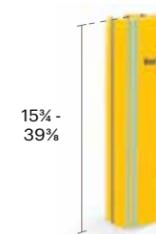
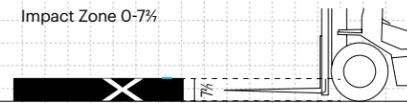
**Paul Painter, EHSQ Leader
OWENS CORNING**



eFlex ForkGuard Cold Storage Guardrail

3,000 Joules****
2.1 Ton vehicle at 4mph

- ✓ Simple Install From Above
- ✓ Fork Deflection



RackGuard Cold Storage Rack Leg Protector

1,000 Joules***

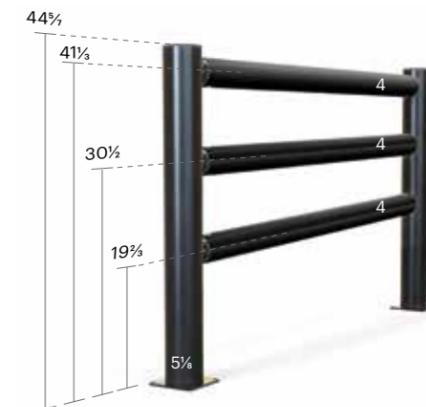
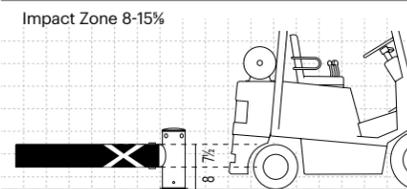
- ✓ Compression Hinge
- ✓ Centralizing Rubber Lug
- ✓ Simple Installation



iFlex Cold Storage Single Traffic Guardrail

21,350 Joules**
6.5 Ton vehicle at 6mph

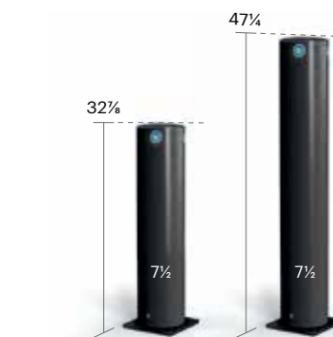
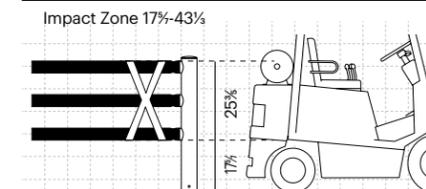
- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Hygiene Sealed



iFlex Cold Storage Pedestrian Guardrail 3 Rail

8,200 Joules*
3.5 Ton vehicle at 5mph

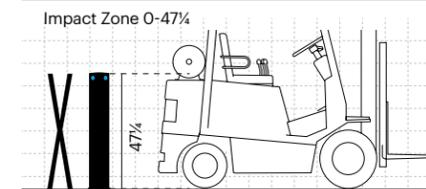
- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Hygiene Sealed



iFlex Cold Storage Bollard

6,900 Joules***
4.7 Ton vehicle at 4mph

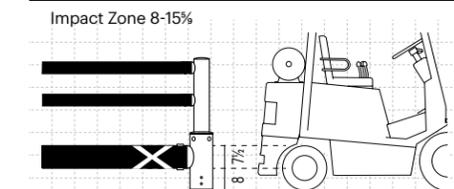
- ✓ Energy Absorbing Core
- ✓ Electrophoretic Coated Base



iFlex Cold Storage Single Traffic Guardrail+

21,350 Joules**
6.5 Ton vehicle at 6mph

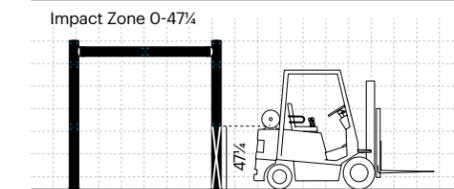
- ✓ Patented Coupling Technology
- ✓ Electrophoretic Coated Base
- ✓ Hygiene Sealed



iFlex Cold Storage Height Restrictor

5,400 Joules***
6.6 Ton vehicle at 3mph

- ✓ Energy Absorbing Core
- ✓ Electrophoretic Coated Base
- ✓ In-line coupling for a complete modular solution



*Ultimate energy load at 45° on a 59 rail. **Ultimate energy load at 45° on a 78 rail. ***Ultimate energy load at 90°. ****Ultimate energy load at 90° on a 39 rail. All measurements in inches.

Joules ratings are provided for your reference only. Our expert technical teams will always recommend the correct specification for your needs. Impact resistance is subject to environmental factors. See individual data sheets for more information. Data is accurate at time of writing.

Cleaning Products



Protix Cleaning Spray

"A-SAFE products are very vital to our day-to-day operation."

Simon Hobson, Site Safety Leader
SCA HYGIENE PRODUCTS, Flint

Tough industrial environments can be dirty places. Keep your A-SAFE guardrails clean and fully protected with our unique range of specially developed cleaning products.

Protix™ Heavy Duty Clean and Protect Range

A-SAFE's new Clean & Protect Heavy Duty range has been specifically developed for use with the advanced A-SAFE polymer. A two-part system that combines ultimate cleaning power with a high-performance protective finish that reduces dirt adhesion.



Protix™ Heavy Duty Cleaner

- ✓ Penetrates Grime
- ✓ Active Foam Formula
- ✓ Low VOC
- ✓ Two Part System

16.91 fl oz



Protix™ Heavy Duty Finishing Coat

- ✓ Dirt Resisting
- ✓ Oleophobic
- ✓ UV Color Fastness
- ✓ Water Repellent
- ✓ Anti-static
- ✓ Two Part System

16.91 fl oz

Protix™ Food Safe Clean and Protect Range

A-SAFE's new Clean & Protect Food Safe range has been specifically developed for use with the advanced A-SAFE polymer. A two-part system that combines ultimate cleaning power with a high-performance protective finish, removing and resisting microbial and fungal build-up.



Protix™ Food Safe Cleaner

- ✓ Penetrates Grime
- ✓ Active Foam Formula
- ✓ Low VOC
- ✓ Two Part System

16.91 fl oz



Protix™ Food Safe Finishing Coat

- ✓ Dirt Resisting
- ✓ Oleophobic
- ✓ Hydrocarbon Free
- ✓ Water Repellent
- ✓ Anti-static
- ✓ Two Part System

16.91 fl oz



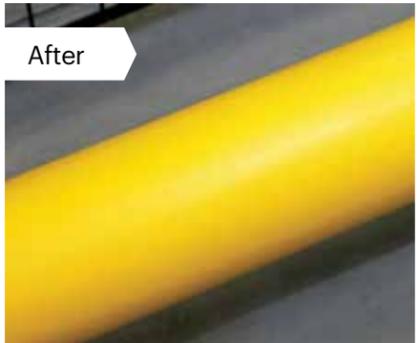
When used together, Clean & Protect products offer the best care on the market for your premium safety investment.



Each Protix Clean & Protect product is supplied complete with a lint-free microfiber cloth, for the most effective application method.



Before



After

Tailored Solutions and Accessories



"A-SAFE brought us tailor-made solutions that can be adapted to each specific case in our factories."

**Supply Chain Director
NESTLÉ**

World-leading experts provide the optimum solution for your needs

Our product range is designed to work together as part of a facility-wide safety management system. Our experts can advise on the best configurations and offer unique solutions for every area of your facility, supporting this with a range of accessories.



Slider plates to allow guardrails to be removed for easy access.



Multiple base plate options: galvanized, stainless steel and countersunk.



Anchor bolt varieties to suit different floor substrates.



Spinning collars to increase deflection of glancing blows.



Integrated sign boards to support operational and health & safety requirements.



Wall buffers to prevent bumps and scrapes to surfaces.



Bespoke height protection designs for overhead walkways and conveyors.



Custom width and impact zone height for the end of racking aisles.



Unique guardrail configurations, designed to fit any space requirement.



Transparent anti-climb Perspex screens.



Highly visible tape to cordon off hazardous areas.



High-strength cleaning and maintenance products.

PRODUCT SUMMARY

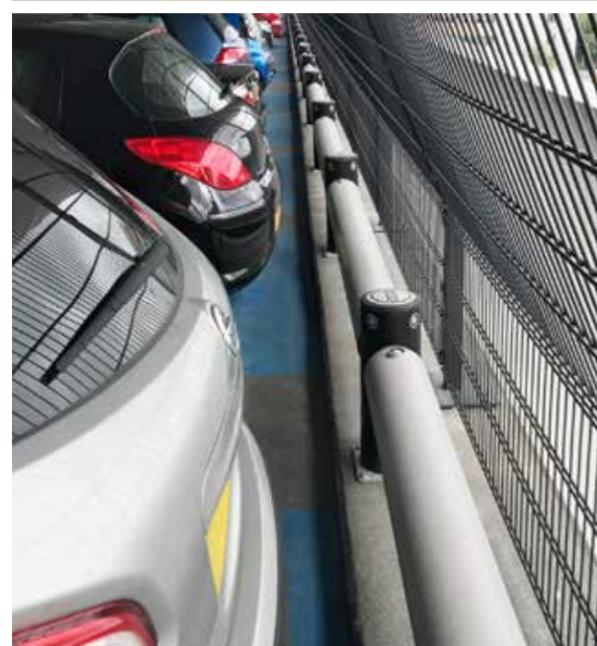
Product	Brand	Product Name	Post Diameter (inch)	Rail Diameter (inch)	Rail Increments (inch)	Impact Zone (inch)	Ultimate Energy Load in Joules				Hygiene Sealed	Additional Base Plate Options	Multiple Angle Options
							10° Angle Impact	22.5° Angle Impact	45° Angle Impact	90° Angle Impact			
PEDESTRIAN GUARDRAILS													
	eFlex:	Pedestrian Guardrail 3 Rail	5%	4 x 1%	19%	9%-43%	-	-	-	-	✗	✗	✗
	iFlex:	Pedestrian Guardrail 3 Rail	5%	4	7%	17%-43%	33,400J	15,150J	8,200J	5,800J	✓	✓	✓
GATES													
	iFlex:	Swing Gates	5%	-	4	-	-	-	-	-	✗	✓	✗
	iFlex:	Slide Gate	5%	-	19%	-	-	-	-	-	✗	✓	✗
TRAFFIC GUARDRAILS													
	mFlex:	Single Guardrail Ground Level	5%	4	7%	2-6	15,650J	7,100J	3,850J	2,700J	✓	✓	✓
	mFlex:	Single Guardrail	5%	4	7%	6-9%	15,650J	7,100J	3,850J	2,700J	✓	✓	✓
	mFlex:	Double Guardrail	5%	4	7%	6-17%	26,450J	12,000J	6,500J	4,550J	✓	✓	✓
	eFlex:	Single Traffic Guardrail	6%	6%	19%	8-14%	58,700J	26,600J	14,400J	10,200J	✗	✗	✓
	iFlex:	Single Traffic Guardrail	7%	7%	7%	8-15%	86,950J	39,450J	21,350J	15,100J	✓	✓	✓
	iFlex:	Single Traffic Guardrail High Level	7%	7%	7%	14%-21%	86,950J	39,450J	21,350J	15,100J	✓	✓	✓
	eFlex:	Double Traffic Guardrail	6%	6%	19%	8-28%	77,700J	35,200J	19,000J	13,500J	✗	✗	✓
	iFlex:	Double Traffic Guardrail	7%	7%	7%	8-29%	118,000J	53,550J	28,950J	20,500J	✓	✓	✓
	Atlas	Double Traffic Guardrail	7%	7%	7%	8-29%	118,000J	53,550J	28,950J	20,500J	✓	✓	✓
TRAFFIC GUARDRAILS+													
	eFlex:	Single Traffic Guardrail+	6%	4 x 1% 6%	19%	8-14%	58,700J	26,600J	14,400J	10,200J	✗	✗	✓
	iFlex:	Single Traffic Guardrail+	7%	4 7%	7%	8-15%	86,950J	39,450J	21,350J	15,100J	✓	✓	✓
	iFlex:	Double Traffic Guardrail+	7%	4 7%	7%	8-29%	118,000J	53,550J	28,950J	20,500J	✓	✓	✓
	Atlas	Double Traffic Guardrail+	7%	4 7%	7%	8-29%	118,000J	53,550J	28,950J	20,500J	✓	✓	✓

Product	Brand	Product Name	Post Diameter (inch)	Rail Diameter (inch)	Rail Increments (inch)	Impact Zone (inch)	Ultimate Energy Load in Joules				Hygiene Sealed	Additional Base Plate Options	Multiple Angle Options
							10° Angle Impact	22.5° Angle Impact	45° Angle Impact	90° Angle Impact			
HIGH LEVEL TOPPLE GUARDRAIL													
	iFlex:	Topple Guardrail (4, 6, 8, 10 Rail Options) with Forkguard	7%	4	15%	-	-	-	-	-	✗	✓	✓
	iFlex:	Heavy Duty Topple Guardrail (4, 6, 8, 10 Rail Options) with Forkguard	7%	4 7%	25% 15%	8-29%	118,000J	53,550J	28,950J	20,500J	✗	✓	✓
FORKGUARD													
	eFlex:	ForkGuard	-	-	4	0-7%	-	-	-	3,000J	✗	✗	✗
	iFlex:	ForkGuard	-	-	4	0-7%	-	-	-	4,500J	✓	✗	✗
COLUMN GUARD													
	Flex:Shield	Column Guard	-	-	-	0-20%	-	-	-	1,600J	✗	✗	✗
	Flex:Shield	Corner Guard	-	-	-	0-39%	-	-	-	200J	✗	✗	✗
	iFlex:Rail	Column Guard	5%	4	7%	17%-43%	33,400J	15,150J	8,200J	5,800J	✓	✓	✗
	iFlex:Rail	Column Guard+	7%	4 7%	7%	8-15%	79,200J	35,950J	19,450J	13,750J	✓	✓	✗
BOLLARDS													
	iFlex:	Bollards	7%	-	-	0-47%	-	-	-	6,900J	✗	✓	✗
	iFlex:	Bollards with wear collar	8%	-	-	0-47%	-	-	-	8,800J	✗	✓	✗
	iFlex:	Heavy Duty Bollard	8%	-	-	0-47%	-	-	-	8,800J	✗	✓	✗
	A-SAFE	Sign Cap	7%	-	-	-	-	-	-	-	✗	✗	✗
DOOR PROTECTION													
	iFlex:	Height Restrictor	7%	7%	-	0-47%	-	-	-	5,400J	✗	✓	✗
	A-SAFE	Alarm Bar	-	5%	One Size	-	-	-	-	-	✗	✗	✗
	eFlex:	Dock Gate	6%	6%	One Size	15-21%	-	-	-	4,000J	✗	✗	✗
	iFlex:	Dock Gate XL	7%	7%	One Size	14%-21%	-	-	-	7,000J	✗	✗	✗
	iFlex:	Dock Gate	7%	7%	One Size	14%-21%	-	-	-	12,000J	✗	✗	✗

Product	Brand	Product Name	Post Diameter (inch)	Rail Diameter (inch)	Rail Increments (inch)	Impact Zone (inch)	Ultimate Energy Load in Joules				Hygiene Sealed	Additional Base Plate Options	Multiple Angle Options
							10° Angle Impact	22.5° Angle Impact	45° Angle Impact	90° Angle Impact			
RACKING PROTECTION													
	RackGuard	Rack Leg Protector	-	-	-	0-39%	-	-	-	1,000J	✗	✗	✗
	eFlex	Single RackEnd Guardrail (also available with Forkguard)	7½	3½ x 3½	4	10-13%	23,000J	10,400J	5,600J	4,000J	✗	✓	✗
	eFlex	Double RackEnd Guardrail (also available with Forkguard)	7½	3½ x 3½	4	7½-16	34,000J	15,600J	8,400J	6,000J	✗	✓	✗
	iFlex	Single RackEnd Guardrail (also available with Forkguard)	7½	7½	4	8-15%	86,950J	39,450J	21,350J	15,100J	✓	✓	✗

COLD STORAGE													
	eFlex	Cold Storage ForkGuard	-	-	4	0-7%	-	-	-	3,000J	✗	✗	✗
	RackGuard	Cold Storage Rack Leg Protector	-	-	-	0-39%	-	-	-	1,000J	✗	✗	✗
	iFlex	Cold Storage Single Traffic Guardrail	7½	7½	7%	8-15%	86,950J	39,450J	21,350J	15,100J	✓	✗	✓
	iFlex	Cold Storage Pedestrian Guardrail 3 Rail	5%	4	7%	17%-43%	33,400J	15,150J	8,200J	5,800J	✓	✗	✓
	iFlex	Cold Storage Single Traffic Guardrail+	7½	4 7½	7%	8-15%	86,950J	39,450J	21,350J	15,100J	✓	✗	✓
	iFlex	Cold Storage Bollards	7½	-	-	0-47%	-	-	-	6,900J	✗	✗	✗
	iFlex	Cold Storage Height Restrictor	7½	7½	-	0-47%	-	-	-	5,400J	✗	✗	✗

Product	Brand	Product Name	Container Size (ml)	Two Part System	Low VOC	Oleophobic	UV colour Fastness	Water Repellent	Anti-static	Hydrocarbon Free
	Proxi	Heavy Duty Cleaner	500	✓	✓	✗	✗	✗	✗	✗
	Proxi	Heavy Duty Finishing Coat	500	✓	✗	✓	✓	✓	✓	✗
	Proxi	Food Safe Cleaner	500	✓	✓	✗	✗	✗	✗	✗
	Proxi	Food Safe Finishing Coat	500	✓	✗	✓	✗	✓	✓	✓





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