

Armor Flex



Additional Protection for your greatest assets
The Flexible Safety Support

Overview

What is Armor Flex?

ARMOR FLEX is a premium modular bollard and barrier system designed to protect people, equipment and infrastructure in demanding industrial environments. Engineered using advanced molecular orientation technology, it absorbs and disperses impact forces while flexing and returning to its original shape after impact. Its innovative three-layer construction delivers exceptional durability, reduced maintenance requirements and long-term protection for warehouses, manufacturing facilities, logistics centres and transport depots.

Network like molecular chain structure

Using professional production equipment, the molecular chain structure is reorganised into a regular linear network structure during the production process. This unique molecular structure gives the material memory allowing it to bounce back to its initial shape after being impacted.

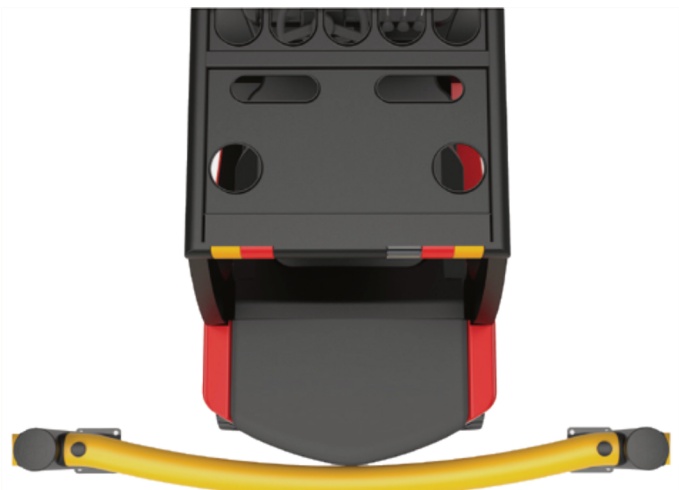
Anti Aging Layer

Shock Absorption Layer

Supporting Reinforcement layer

Application

The modular design allows Armour Flex systems to be easily configured to suit a wide range of applications, from pedestrian segregation and equipment protection to asset guarding and traffic management. The result is a smarter, more resilient safety solution that protects your people, preserves your assets and reduces the total cost of ownership.

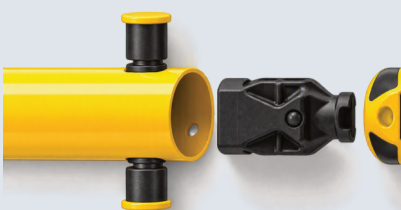


Highlights

- High Impact Protection
- Durable Construction
- High Visible Design
- Reduce Asset Downtime

Corner Connectors

High-strength coupling components designed to reinforce rail-to-post junctions at corners and directional transitions. Enhances system rigidity, impact load transfer, and overall barrier performance while supporting flexible installation layouts across 100mm, 148mm, and 190mm rail systems.



Sizes & Specifications

Bollards



Feature	BO130	BO168	BO190
Post Diameter	130mm	168mm	190mm
Height	1150mm	1150mm	1150mm
Anti Impact Energy	3,000J	3,800J	6,900J
Equivalent Impact	A 1.5 Tonne Forklift collided at a speed of 7.2Km/h	A 4 Tonne Forklift collided at a speed of 5Km/h	A 6 Tonne Forklift collided at a speed of 5.5Km/h

Barriers (with connectors)



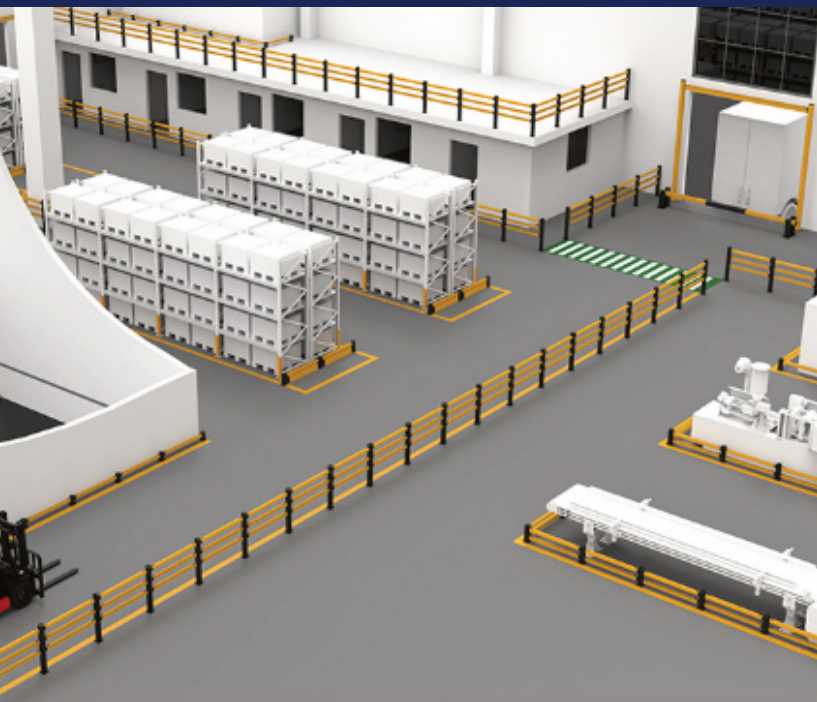
Feature	TR100	TR148	TR190
Post Diameter	130mm	168mm	190mm
Beam Diameter	100mm	2x 100mm, 148mm	2x 100mm, 190mm
Height	1150mm	1150mm	1150mm
Anti Impact Energy	6,310J	14,400J	21,350J
Equivalent Impact	A 1.5 Tonne Forklift collided at a speed of 10.4Km/h	A 4 Tonne Forklift collided at a speed of 9.7Km/h	A 6 Tonne Forklift collided at a speed of 9.6Km/h

Barriers (without 100mm connectors)



Feature	STR100	STR148	STR190
Post Diameter	130mm	168mm	190mm
Beam Diameter	100mm	2x 100mm, 148mm	2x 100mm, 190mm
Height	1150mm	1150mm	1150mm
Anti Impact Energy	3,645J	10,724J	19,800J
Equivalent Impact	A 1.5 Tonne Forklift collided at a speed of 7.9Km/h	A 4 Tonne Forklift collided at a speed of 8.3Km/h	A 6 Tonne Forklift collided at a speed of 9.3Km/h

Certification & More Information



Our advantage



durable



Strong wear resistance



Strong weather resistance



Safe and non-toxic



Strong chemical resistance



No need to paint



Recoverable Memory



Modular combination

Workplace Safety Protection Products

Our complete range of workplace safety products has been independently assessed and certified by TÜV Rheinland, confirming compliance with stringent safety, quality and performance standards. This certification provides confidence in the reliability, durability and protective performance of our safety products. (Test Code: TC.25.8.003867)

Performance Characteristics

- Enhanced Protective Performance.
- Flexible Split Design.
- Professional Collision Testing
- Complete Engineering Design



Our Extended Range

Talk to our team about our expanded range of Ground Protection Guardrails, Shelf Protection Covers, and Pedestrian Gates. Designed to deliver superior workplace protection, our solutions help safeguard people, equipment, racking systems, and infrastructure in a wide range of industrial and commercial environments.

