



Call our Expert Sales Team for more information.

First Fence Ltd | Kiln Way, Woodville, South Derbyshire, DE11 8EA
01283 512 111 | www.firstfence.co.uk | sales@firstfence.co.uk



Impact Strength, Galvanised Durability!

Our Armco barrier rails combine the robust resilience of steel with long-lasting galvanised corrosion protection. Designed to fit perfectly into car parks, industrial estates, agricultural settings, and delivery bays, they provide a permanent, heavy-duty defence against vehicle collisions without compromising structural reliability.

Manufactured from standard-duty galvanised steel, Armco corrugated rails deliver ultimate structural strength and seamless installation. As the primary backbone of the barrier system, these high-visibility beams provide an uncompromising line of defence against impact. Available in standard 1.6m and 3.2m lengths, each rail can be powder-coated in high-visibility yellow for maximum visibility and add an extra layer of weather-resistant protection.

Key Features

- ✓ **Galvanised Steel**
(Made from steel and zinc-galvanised to prevent rusting)
- ✓ **Corrugated Profile for Impact Strength**
(Corrugated wave design maximises rigidity & impact absorbency)
- ✓ **Flexible Sizing Options**
(Available in standard 1.6m and 3.2m lengths)
- ✓ **Optional Powder-Coated Finish**
(Can be supplied in high-visibility yellow)
- ✓ **Versatile Commercial Uses**
(Ideal for car parks, industrial estates and busy loading bays)

Suitable For

- ✓ Car Parks & Multi-Storey Facilities
- ✓ Industrial Estates & Warehouses
- ✓ Delivery Bays & Loading Docks
- ✓ Agricultural & Rural Properties
- ✓ Transport & Traffic Management Yards



Technical Specifications

FEATURE	SPECIFICATION	STANDARD/DETAIL
MATERIAL & FINISH	Galvanised Steel	BS EN ISO 1461
BEAM PROFILES/PITCH	1.6m/3.2m Effective Length	Standard Corrugated Wave Profile
MATERIAL THICKNESS	2.5mm Nominal Steel Thickness	Standard-Duty Construction
OPTIONAL POWDER COATING	High-Visibility Yellow (RAL 1023)	Enhances Weathering & Visibility

Unsure what you need for your system?
Use our handy Armco Kit Calculators to help you determine how many beams, posts & fixings you need for your project!

[CLICK HERE](#)

Post Options & Mounting Configuration

Dig-In Posts: Designed for installation in soft ground, unpaved surfaces or newly poured concrete footings.

Bolt-Down Posts: Supplied with a pre-welded baseplate for installation onto existing, sound concrete slabs.

Post Spacing & Height Guide

3.2m Centres: Standard specification for general perimeter boundaries and low-speed traffic control.

1.6m Centres: High-strength specification recommended for HGV areas, loading bays or tight turning areas.

Note: Tarmac or asphalt surfaces require dig-in posts; bolt-down posts are suitable exclusively for reinforced concrete slabs. Ground conditions and wind/impact load factors must be validated by a structural engineer prior to installation.



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Accessories & System Components

Ends & Corners

Fishtail Ends: Standard terminal cap to remove sharp leading edges. Fishtail Safety End with Hi-Vis Reflectors.
 Pedestrian Safety Ends ('D' or scroll, or with Hi-Vis reflectors): Curved safety end designed to eliminate snagging points.
 Safety Ends: Covers the edge of the barrier, with reflectors.
 Plastic 135mm Wide Short End: Push-fit onto the end of beams.
 Plastic 240mm Long End: Slides onto the end of the beam.
 Bull Nosed End Shoe: Steel terminal shoe for robust end-impact protection
 Corners & Bends: 90° and 135° internal/external fixed steel/HDPE corners and multi-angle flexible corners.

Essential Fixings

Lap Bolts (M16 x 35mm): Required for rail-to-rail overlap connections (8 bolts per joint standard)
 Post-to-Rail Bolts (M16 x 50mm): Secures the corrugated beam to the support post webbing.
 Ground Anchors (M16 Floor Anchors): Structural through-bolts required for bolt-down baseplate installations.
 RSJ Post Top Cap: Slides onto the end of an RSJ, black or yellow polyethylene.
 Barrier Reflectors: Dual-Sided crash barrier reflector, used on bends and boundaries.
 Offset Bracket: Mounted to a wall or a post and barrier secured to it.
 Wall Mounting Plate: Remove the need for a traditional post, ideal for tight-loading bays.



Armco Rails & Beams



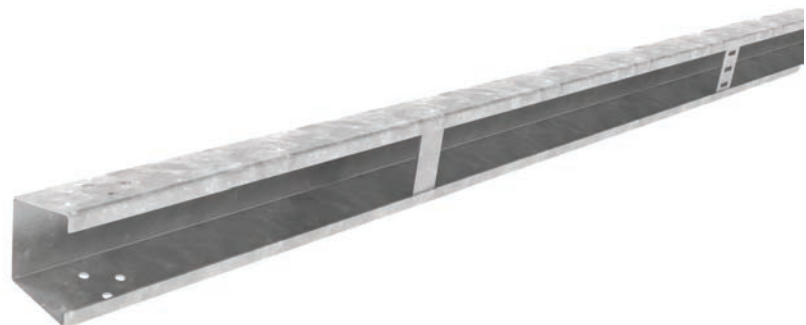
Armco Corners & Ends



Armco Fixings & Accessories



Armco Steel Posts



Armco Open Box Beam



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