

Vehicle Impact Barrier

Our heavy duty protection barrier has many applications whether this be for protecting property, safety installations and landscaping from low speed impacts. This adaptable steel barrier system can be installed in either single or double height rows. The barrier system can be assembled in unbroken lines; can be terminated for access points and of course go around internal or external corners.

Each galvanised steel rail is manufactured in 3.5 metres lengths, 3.2 metres effective in a long line because of a 300mm overlap. The steel barrier can be assembled on a choice of upright posts, either bolt down or foundation to be set into concrete.

The bolt down 'I' posts have a heavy duty base plate and are secured with 4 x 20/120mm sleeve anchor bolts. The offset base plate design of the bolt down post gives a clean and unobstructed front face - an important safety feature. The foundation posts are a simple straight 'Z' section with a planting depth of 500mm. Both systems can take either signal or double rails.

Standard and optional features;

Design:

- Standard heavy duty barrier 300mm in depth
- Section length 2500mm
- 900mm approx in height
- Can be potted or surface mounted
- Actual sizes will be determined by site survey



Order Information

Can be supply only or fully installed



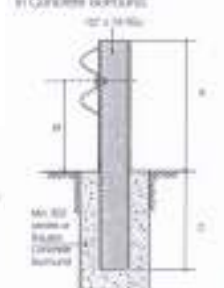
Dimensions and Physical Properties

Length m.	Thickness mm.	Weight kg/panel	Sectional Area mm ²	Section Modulus mm ³	Material Specification
1.8*	3.0	23.0	1427	25300	IS 410 IS 200 IS 410 IS 200 IS 200
3.2	3.0	42.4	1427	25300	IS 410 IS 200 IS 200 IS 410 IS 200 IS 200

* 1.8m length can be "adjusted" to account for small changes in floor angle.

Rigid Steel Post

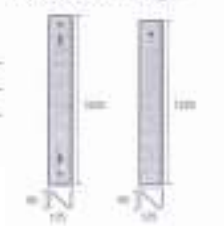
Typical arrangement of RSP in Concrete Surround



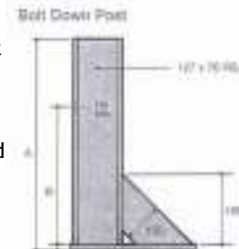
F 224 Type 3/1.1		F 224 Type 3/1.2		
A	B	A	B	C
500	415	550	550	510

Z Section Post

125 x 50 x 5mm Z¹ Post, available in 1200mm lengths. Suitable for general contracts and for use with off-set brackets. 125 x 50 x 5mm Z² Post, available in 1200mm lengths.



Bolt Down Post



F 224 Type 1*

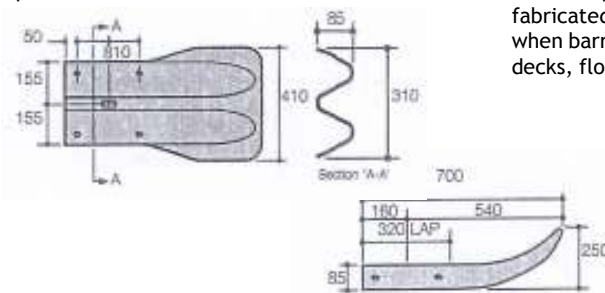
F 224 Type 2

F 224 Type 1*		F 224 Type 2	
A	B	A	B
590	330	780	570

* Car path height

Fishtail End

Fishtails ends are made of strong ductile steel. They make the transition from deeply corrugated section to a flat curved and are used primarily at exit ends of parking spaces.



Rigid Steel Post

In car parking bays or loading areas where vehicle contact is more frequent but less severe, a more rigid support is required. Rigid steel posts mounted in concrete provide an answer. Specially fabricated bolt down posts are required when barriers are mounted on bridge decks, floor slabs or foundation blocks.

