1.0 Introduction

Typically, accidents involving motor vehicles and pedestrians occur when pedestrians enter the roadway from non-designated crossings. The use of Pedestrian Fencing restricts the access of pedestrians to roadways and channels their movements to safe crossing locations.

Approved by the NSW Roads and Traffic Authority, Pedestrian Fencing is suitable for verge and median applications. Manufactured from robust steel sections, Pedestrian Fencing is capable of withstanding vehicle impacts, thereby minimising the risk of spearing an errant vehicle.

The use of offset balustrades provides the motorist with an unimpeded view of nearby pedestrians, allowing the motorist to adjust their travel speed accordingly.

The anti-climb design ensures the suitability of Pedestrian Fence around school zones, shopping centres and tourist locations.

2.0 Specification

**Finish:** Hot dipped galvanized prior to powder-coating

**Post Spacing:** 2000mm

**Fence Height:** 1200mm – 1400mm

**Intermediate Post:** 1650mm long (in-ground post)

**End Posts:** 1700mm long (in-ground post)

3.0 Applications

- Protection of footpaths
- Traffic medians
- Bus stops
- Shopping centre precincts
- Car parks
- Pedestrian crossings
- School zones
- Sporting stadium precincts
- Restaurant and bar precincts
- Cycleways

4.0 Installation

The following written instructions should be read in conjunction with Ingal Civil Products Drawings;

**PF-STD-01** General Arrangement - Concrete Posts

**PF-STD-02** Assembly - Concrete Posts

**PF-STD-03** General Arrangement - Baseplates

**PF-STD-04** Assembly - Baseplates

1. Ensure the area has been inspected for underground hazards and that suitable traffic control is in place.

2. Locate the post positions at 2m centres.

3. Drill holes for the posts 200mm diameter x 300mm deep. In soft ground drill a 400mm diameter x 600mm deep footing.

4. At the commencement of the fence, place the end post in the excavated hole and orientate correctly to accommodate the panel connection. Fill the hole with 20Mpa concrete.

5. Alternately, an end post on a base plate may be secured to a concrete slab using 5 off M20x160mm chemsets or masonry anchors.

6. Place the intermediate posts in the excavated holes and backfill with 20Mpa concrete. The post heights are to be 1200 and 1400mm above ground level. Posts are fabricated to accommodate a 50mm (minimum) step on sloping sites.

7. Alternately, a intermediate post on base plate may be secured to a concrete slab using 4 off M20x160mm chemsets or masonry anchors.

8. Attach the panels to the posts ensuring the correct panels (median or verge) are installed.

9. The panels are secured with fasteners at the bottom only. At the end post the panel is secured with an M10x30mm bolt/nut and 2 washers. At the intermediate posts, panels are secured with an M10x30mm bolt/nut and 2 washers if securing a single rail or an M10x40mm bolt/nut and 2 washers if securing two panels.

10. When installed on sloped sights, the fence should be installed with a step between panels. The minimum distance between the ground and the fence shall be 90mm. The maximum distance between the ground and the fence shall be 250mm.

11. Once the panels have been secured, attached the post caps to the intermediate posts using M8 threaded rod and domed nuts.
Pedestrian Fencing  Roadside Safety Fence
For more information

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