

Product outline

Bluedog has developed the following specification to reflect the school security fencing supplied to schools by Bluedog in the ACT.

Important aspects of the fence specification that make a critical difference to the service life and safe operation of the fence:

- **65x65mm profile stiles on the gates** as compared with lighter alternatives such as 40x40mm and 50x50mm stiles.
- **Heavy duty gate hinging** as compared to lighter weight domestic hinges.
- **Security brackets** as compared to lighter zinc plated shrouds.
- **Anti tamper fasteners** as compared to domestic type teks.
- **Heavy gauge fence posts** as compared to lighter alternatives.



Features of Bluedog’s fence system include:

- **Superior hinge design** using a greasable tapered roller bearing (bottom) and sealed bearing (top) that enables the **gate to swing 180 degrees**.
- **Proprietary range of fence panels brackets** to handle changes in direction and gradient in the fence.
- **In-house manufacture and powder coating**.
- **Accompanying CAD drawings available** showing fence and gate assembly.
- **Substantial warranties** (see below).

Budget Estimate Rates: Supply and install \$220 per metre (fencing) and \$1,150 per metre (gates*), for 2100mm high (rates exclude GST).

Warranties

Fence fabrication: 3 years

Fence installation: 1 year

Powder-coating: 10 year colour fastness (conditions apply)



Material Specification

Panel height	2100mm (standard)
Panel configuration	Vertical pickets are inserted through punched rails with each picket welded at the top and bottom, of both the top and bottom rails.
Picket profile	25x25x1.2mm Square Hollow Section (SHS).
Picket spacing	140mm centre-to-centre of each vertical picket.
Picket top profile	Crimped (round or sharp) spear top.
Rails	40x40x1.6mm SHS.
Panel brackets	1-piece heavy duty, hot dipped galvanised security bracket (four brackets per panel).
Fasteners	Tamper proof Irius Tek screws
Intermediate posts	65x65x2.5mm post (3000mm long)

Gate frame	Stiles and Rails 65x65x1.6mm SHS (three horizontal rails).
Gate locking hardware	Heavy duty Ø20mm slide-bolt with Broadhurst Lockbox. The slide-bolt is lockable in both the open and closed positions. Heavy duty Ø16mm drop-bolt (pad lockable). Perforated mesh welded to the outside of the gate preventing the gate hardware being used as climbing points.
Gate hinging	Greasable tapered roller bearing (bottom) and sealed ball bearing hinging (top) with ability to swing 180°.
Gate posts	100x100x4mm (3000mm long) for openings up to 3000mm. 150x150x5mm (3000mm long) for openings greater than 3000mm.
Post cap	Steel caps (powder coated)
Weld type	All welds are Silicon bronze which has superior corrosion resistance to a standard mild steel weld.
Zinc coating	Pre-galvanised precision tube with a zinc coating mass of 275 g/m ² across the internal and external surfaces of the hollow steel tube.
Higher corrosion environments	We would recommend the use of our zinc-rich epoxy primer under the top coat to give much greater corrosion resistance.
Post footing	Fence posts Ø300mm x 900mm deep using 20mpa concrete. Gate posts Ø450mm x 900mm deep using 20mpa concrete.



1 piece heavy duty security bracket and Anti-tamper Irius Tek screw



Heavy duty hinge with greasable tapered roller (thrust) bearing



Broadhurst lockbox and heavy duty slide bolt



Ø16mm x 900mm drop bolts



Rounded spear and upright passes through the rail (not face welded)



Double gate: 65x65mm stiles and rails; greasable roller bearing (bottom), Broadhurst lockbox and slide bolt, perforated mesh and heavy duty drop bolts.



Letter box (anti-climb design) set in a perforated mesh panel



Raked fence panels to maintain clearance under the fence