



GRYFFIN Pty. Ltd.

ABN 16 125 989 683

PO Box 665 Bayswater
Victoria, 3153 Australia

Telephone : 61 (03) 9761 4522

Fax : 61 (03) 9761 4134

Email : sales@gryffin.com.au

Website : <http://www.gryffin.com.au>

PALISADE By Gryffin (Standard Fence) MECHANICAL SPECIFICATIONS

FENCE PALE FORM

80 x 3mm Cold roll formed to "D" section design.
Finished width should be 71mm
Pale heads with press formed spayed "triple point".
Finished pale should be straight with no visible twist or warp.
Pale are generally fence height less 50mm.
Hot dip galvanised after fabrication to AS 1650/1989
Tolerance : Thickness ± 0.021
 Width ± 0.014
 Length $\pm 0.25 \%$
Manufactured to British Standard BS 1722 Part 12 1990

FENCE PALE MATERIAL

HU1S forming steel.
Transverse tensile (typical on basis of 2.5mm thick) :
Yield strength 210-310 MPa
Tensile strength 300-400 MPa
Elongation on 80mm 28-38 %
Hardness 50-65 HRB
Australian Standard AS 1594
Origin : BHP/Lysaght Australia

FENCE POST FORM

Cut to length to allow appropriate footing depth.
Top of post cropped and bevelled to form arrow head.
Web slotted with 42 x 9mm slots to receive rail joining fish plates.
Maximum post spacing is 2750mm or less.
Hot dip galvanised after fabrication to AS 1650/1989.
Manufactured to British Standard BS 1722 Part 12 1990

FENCE POST MATERIAL (Height dependent)

Taper Flange Beam (RSJ) 100 x 45mm x 7.2kg/mt. up to 2.4 in height
Grade 250
P of I : About Y axis (along fence line) 0.0795 (10⁶mm⁴)
 About X axis (90° to fence line) 1.46 (10⁶mm⁴)
Minimum tensile strength 410 MPa.
Australian Standard AS 3679/250
Origin : BHP Australia

FENCE PALE SPACING

152.56 mm centre to centre

FENCE FOUNDATION DIMENSIONS (examples)

Fence height :	1800	2100	2400	2700
Footing depth :	600	700	800	900
Overall post length :	2400	2800	3200	3600

Fence can be made to any height upon request

Post lengths can be varied to suit site conditions or structural engineers requirements.

PALISADE by Gryffin MECHANICAL SPECIFICATIONS (Contd)

FENCE RAILS

Equal Angle 50 x 50 x 6mm x 4.46 kg/mt.
1 off 14mm square hole at 27mm centres from each end.
17 off 9mm Ø holes punched at 152.56mm centres along length.
Hot dip galvanised after fabrication to AS 1650/1989.
Manufactured to British Standard BS 1722 Part 12 1990
Material to Australian Standard AS 3679/250
Origin : Australia

RAIL JOINING PLATES

(FISH PLATES)

Square edge flat bar 40 x 8mm x 2.58 kg/mt.
140mm long with 2 off 25 x 14mm slots at 28mm centres from each end.
Hot dip galvanised after fabrication to AS 1650/1989.
Manufactured to British Standard BS 1722 Part 12 1990
Material to Australian Standard AS 3679/250
Origin : Australia

MID-BAY SUPPORTS 500 mm x M12 Galvanised Threaded Rod for verticle rail alignment

FASTENERS

Rail to fish plate : M12 Galvanised, Tamper proof nut and bolt.
Pale to rail : M8 Galvanised, Tamper proof nut and bolt
(or 6mm Pin and Collar rivet (Huck, Avdel etc))

POWDER COATING

All fence components to be hot dip galvanised after fabrication to AS 1650/1989 followed by :

- Hot alkali degrease and clean.
- Clean water rinse.
- Zinc phosphate conversion coating to AS 1627,part 6/1977.
- Clean water rinse.
- Hot acidulated final rinse.
- Powder coat to 70 +/- 10 microns.
- Bake 10 minutes at 200° C metal temperature.

Individually protected, stacked and strapped for shipment.

TOUCH UP

Galvanised finish :

Following installation of all fasteners, break off points should be treated with a generous coating of zinc rich cold galvanising paint.

Powdercoat finish :

As above with the addition of a matching colour touch up paint.