



MAXIGUARD W PALE PALISADE By Gryffin (High Security Fence) MECHANICAL SPECIFICATIONS

FENCE PALE FORM

100 x 3mm Cold roll formed to "W" section design.
Finished width should be 71mm
Pales heads with press formed spayed "triple point".
Finished pale should be straight with no visible twist or warp.
Pales are generally fence height less 50mm.

Tolerance : Thickness ± 0.021
 Width ± 0.014
 Length $\pm 0.25 \%$

Manufactured to British Standard BS 1722 Part 12 1999

FENCE PALE MATERIAL

HU1S forming steel.
Transverse tensile (typical on basis of 2.5mm thick) :
Yield strength 200-280 MPa
Tensile strength 330-380 MPa
Elongation on 80mm 30 % minimum
Hardness 52-62 HRB

Australian Standard AS 1365
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.
Optimum post spacing is 2750mm or less.
Hot dip galvanised after fabrication to AS 4680-1999 hot dip galvanised (zinc) coatings on fabricated ferrous articles.
Manufactured to British Standard BS 1722 Part 12 1999

FENCE POST MATERIAL (Height dependent)

Taper Flange Beam (RSJ) 125 x 65mm x 13.1kg/mt.
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 (general)

FENCE POST DIMENSIONS

Fence can be made to any height upon request
Post lengths can be varied to suit site conditions or structural engineers requirements

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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 10mm \varnothing holes punched at 152.56mm centres along length.
Hot dip galvanised after fabrication to AS 4680-1999 hot dip galvanised (zinc) coatings on fabricated ferrous articles.
Manufactured to British Standard BS 1722 Part 12 1999
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.
110mm long with 2 off 25 x 14mm slots at 28mm centres from each end.
Hot dip galvanised after fabrication to AS 4680-1999 hot dip galvanised (zinc) coatings on fabricated ferrous articles.
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 Powdercoated after fabrication by:
- Hot alkali degrease and clean.
 - Clean water rinse.
 - Clean water rinse.
 - Hot acidulated final rinse.
 - Powder coat to 70 +/- 10 microns.
 - Bake 10 minutes at 200° C metal temperature.
 - Complies to British Standard BS 6497-1984.

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.