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HiWeld 2D868™

2D DOUBLE WIRE MESH PANEL SYSTEM

1

Easy fixing security clips

2

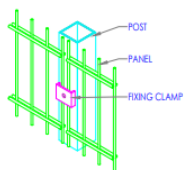
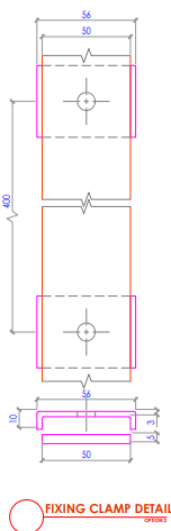
30 mm projecting spikes

3

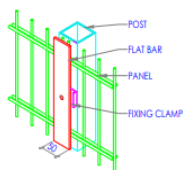
Fully resistant welded joints

4

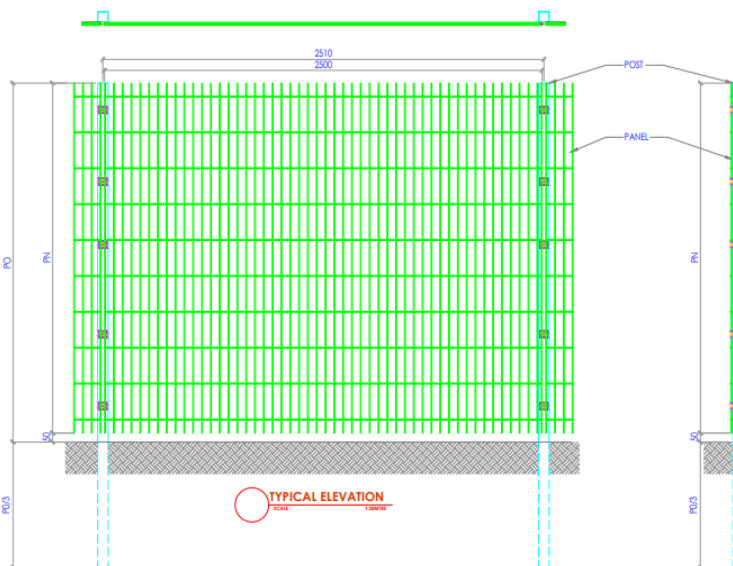
Galvanized and Polyester Powder Coated



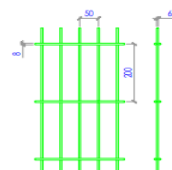
ISOMETRIC VIEW
OPTION 1



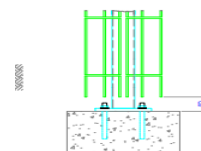
ISOMETRIC VIEW
OPTION 2



TYPICAL ELEVATION
OPTION 1



MESH DETAIL
OPTION 1



BASE PLATED
OPTION 1

FINISH

- Hot dip galvanized to BS EN ISO 1461 as standard
- Hot dip galvanized and powder coated to BS EN 13438
- Marine coat for installations within 500m of salt water or an estuary

FEATURES

- Customizable posts for barbed wire, razor wire, or Rota Spike
- Fixed through base plates, wall fixing plates, or cranked posts
- Flat profile mesh panels with double 8mm horizontal wires and 6mm vertical wires
- Adjustable for sloping ground
- Privacy screen compatibility for enhanced security
- Stackable panels for increased height
- Heavy welded mesh panels for added rigidity
- Mesh apertures of 200x50mm
- Anti-cut double wire mesh panels
- 50mm vertical apertures
- Full-length clamp bar
- Sheardrive fixings
- Anti-climb design
- Multiple height options (up to 6m)
- Full range of RAL colors available

SUITABLE FOR

- Industrial and public buildings
- Schools and play grounds
- Data Centers
- Industrial and commercial buildings
- Public buildings

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HiWeld 2D868™

2D DOUBLE WIRE MESH PANEL SYSTEM



DESCRIPTION

The HiWeld 2D868™ fencing system comprises three major elements: Posts, Panels, and Fittings.

Posts

HiWeld 2D868™ is designed to secure properties of varying scales, with its name inspired by its hollow steel posts. These posts come in measurements of 40x40mm, 60x60mm, or 50x100mm, depending on the fence's height, providing the necessary strength to withstand pressure and force. The posts determine the fence's length and offer several mounting options:

- Over-length set in the ground
- Base plated for bolting onto concrete
- Cranked for wall mounting
- Covered with a plastic cap on top
- Extended with a 45-degree crank on top
- Extended with a double (Y) crank on top

Panels

The mesh between the posts is known as a panel. These mesh panels feature double horizontal wires of 8mm diameter and single vertical wires of 8mm diameter with a flat profile. The wires are welded at junctions, forming a rectangular opening of 50x200mm, and are treated with a galvanized zinc alloy for enhanced durability. The standard panel heights are 950mm, 1450mm, and 1950mm, and can be stacked to create a fence up to 6000mm high.

To enhance security and prevent climbing, options include:

- 30mm projecting spikes
- 3 or 6 barbed wires
- 3 or 6 barbed wires with a concertina role

The tensile strength of the wires is a minimum of 500 N/mm², with the welding strength at least 50% of the total tensile strength of the wire, in compliance with EN 10223-7.

Fittings

The system uses rigid 40x50mm metal clips or 50x5mm flat bars along the full length of the post to secure the welded steel mesh panels. These fittings are bolted every 400mm using 8mm diameter round head bolts.

Gates

Matching single leaf and double leaf gates are available for the HiWeld 2D868™ fencing system. These gates come with a variety of opening mechanisms and can be manually or automatically operated.

PANEL DIMENSIONS

Panel Heights	950,1450,1950 mm (can stacked above one another to deliver up to 6000 mm high fence.)
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Panel Widths	2500mm
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Mesh Size	200 x 50mm
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Wire Diameter	1*6mmV & 2*8mmH
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Profiles	N/A
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Top Edge Projection	30mm (Can be inverted for flush edges)
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	40 x 40mm SHS (up to 6000mm)
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Post	60 x 60mm SHS (up to 6000mm)
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	50 x 100mm SHS (up to 6000mm)
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Post Centers	2500mm
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STANDARD COLORS

BLACK	RAL 9005
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GREEN	RAL 6005
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Other colors are available on request

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