



شركة حديد
التقنية العليا
HITECH
STEEL INDUSTRIES

HiWeld 2D656™

COMMERCIAL FENCING TWIN WIRE MESH

1

Easy fixing security clips

2

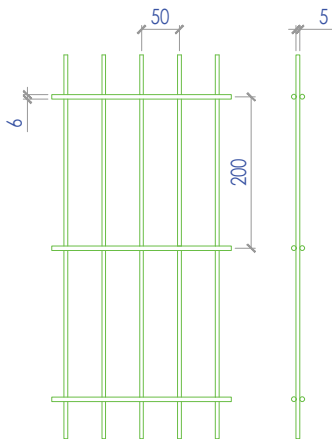
30 mm projecting spikes

3

Fully resistant welded joints

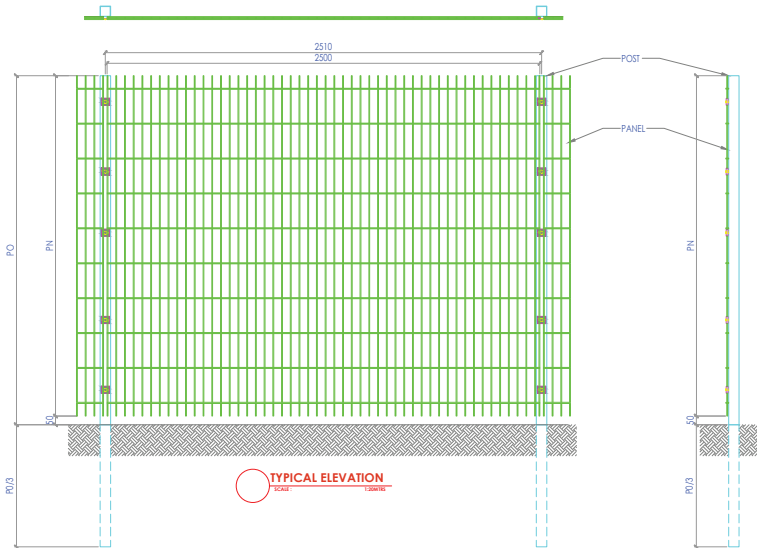
4

Galvanized and Polyester Powder Coated



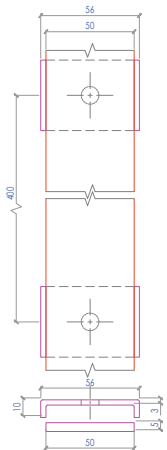
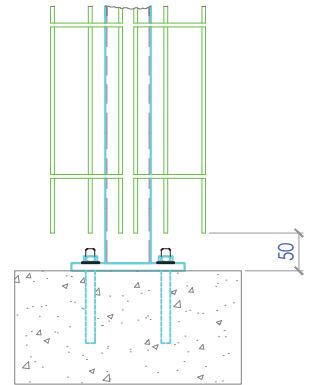
MESH DETAIL

SCALE: 1:10MTRS



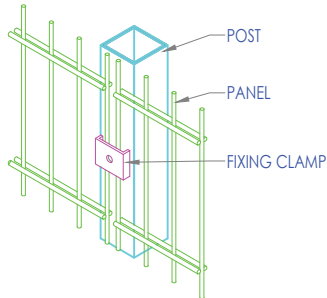
TYPICAL ELEVATION

SCALE: 1:10MTRS



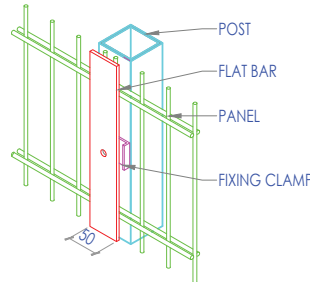
FIXING CLAMP DETAIL

OPTION 1



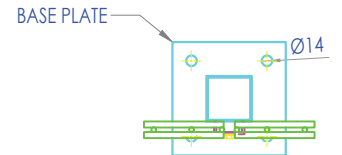
ISOMETRIC VIEW

OPTION 1



ISOMETRIC VIEW

OPTION 2



BASE PLATED

OPTIONAL

+966 11 474 8635

www.hitech.sa
sales@hitech.sa

Building no 3824, Nira Street, 2nd
Industrial area, Riyadh 14338 RSNB3824





شركة حديد
التقنية العليا
HITECH
STEEL INDUSTRIES

HiWeld 2D656™

COMMERCIAL FENCING TWIN WIRE MESH

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



SUITABLE

- High-security locations like airports and seaports
- Industrial & Public Buildings
- Schools & play grounds
- Solar Sites
- Retail Premises



FEATURES

- Customizable posts for barbed wire, razor wire, or rota spikes
- Includes wall fixing plates, base plated, and cranked posts.
- Mesh panels with twin 6mm horizontal wires and 5mm vertical wires, welded at intersections.
- Mesh size of 200x50mm centers with a 45mm gap.
- Anti-climb design.
- Vandal-proof panel-to-post fixings.
- Adjustable for sloping ground.
- Matching gates (single and double leaf).
- Privacy screen compatibility for added security.
- Stackable panels for increased height.
- Unlimited color options.
- Cost-effective high-security solution.

+966 11 474 8635



www.hitech.sa
sales@hitech.sa



Building no 3824, Nira Street, 2nd
Industrial area, Riyadh 14338 RSNB3824

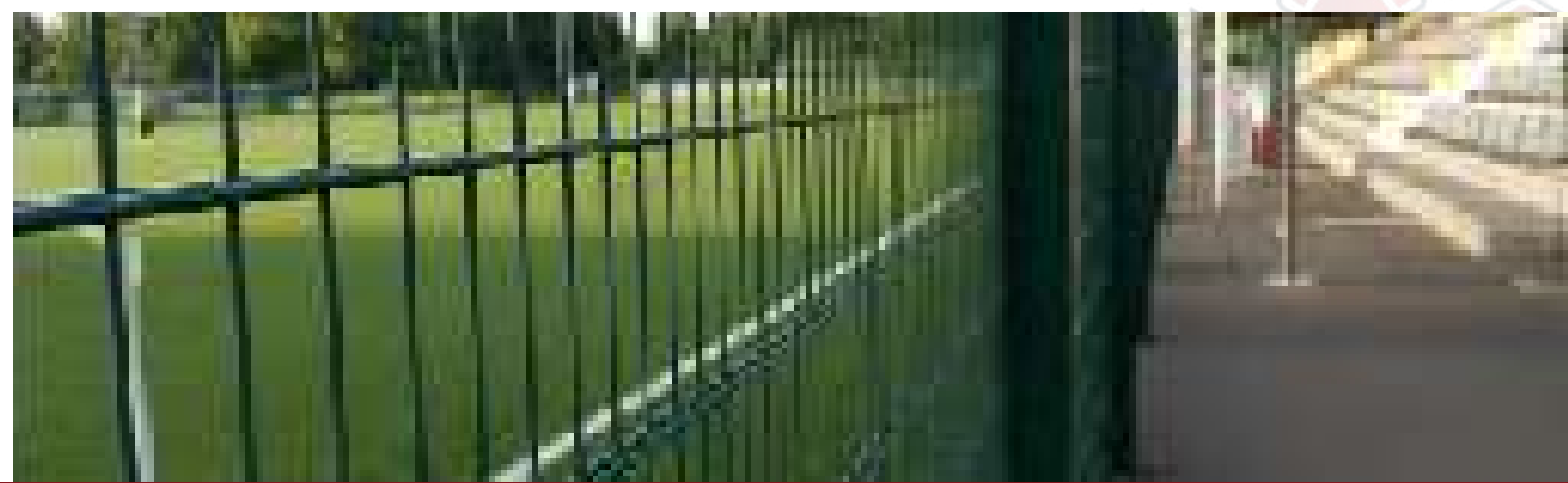




شركة حديد
التقنية العليا
HITECH
STEEL INDUSTRIES

HiWeld 2D656™

COMMERCIAL FENCING TWIN WIRE MESH



The HiWeld 2D656™ fencing system comprises three major elements: Posts, Panels, and Fittings.

Posts

HiWeld 2D656™ 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 6mm diameter and single vertical wires of 5mm 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

+966 11 474 8635



www.hitech.sa

sales@hitech.sa



Building no 3824, Nira Street, 2nd

Industrial area, Riyadh 14338 RSNB3824





شركة حديد
التقنية العليا
HITECH
STEEL INDUSTRIES

HiWeld 2D656™

COMMERCIAL FENCING TWIN WIRE MESH

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 2D656™ fencing system. These gates come with a variety of opening mechanisms and can be manually or automatically operated.

PANEL DIMENSIONS	DETAILS
Panel Height	950,1450,1950 mm (Can stacked above one another to deliver up to 6000 mm high fence.)
Panel Width	2500mm
Mesh Size	200 x 50mm
Wire Diameter	1*5mmV & 2*6mmH
Profiles	N/A
Top Edge Projection	30mm (Can be inverted for flush edges)
Post	40 x 40mm SHS (up to 6000mm) 60 x 60mm SHS (up to 6000mm) 50 x 100mm SHS (up to 6000mm)
Post Centers	2500mm
STANDARD COLORS	
Black	RAL 9005
Green	RAL 6005

Other colors are available on demand.

+966 11 474 8635



www.hitech.sa

sales@hitech.sa



Building no 3824, Nira Street, 2nd

Industrial area, Riyadh 14338 RSNB3824

