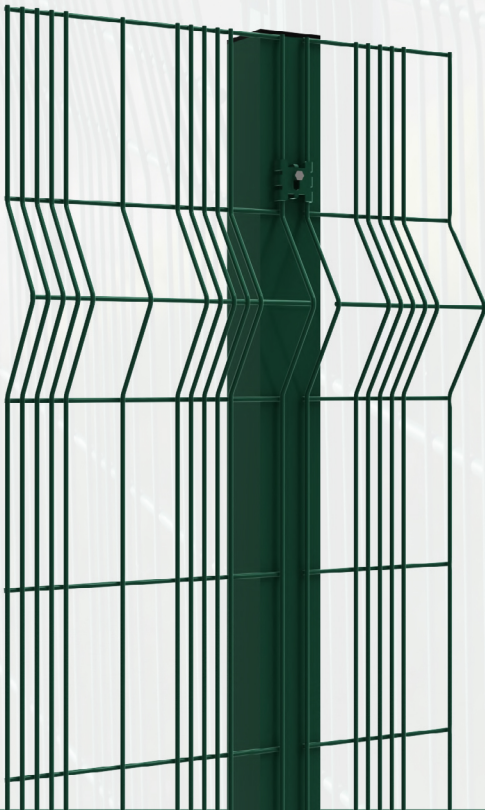




PALADIN FENCING

- Structure & Dimensions
 - Production Material
 - Wire Diameter
 - Mesh Opening
 - Panel Size
 - Fence Post
 - Benefits
 - Applications
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-



Paladin Fencing

Paladin Security fence is an original striped type welded mesh fence with innovative and unique aesthetic appearance. It has the features of high strength and security, anti-climbing, anti-cutting, and faster installation. Paladin style mesh fencing is a contemporary and visually appealing perimeter system that provides excellent value and durability. In addition, Optima is a low-cost perimeter fencing solution for a wide range of applications that are not likely to be subjected to sustained abuse, including commercial sites, schools, industrial estates, and more.

Structure & Dimensions

Paladin fencing is a welded structure at each intersection. Small and large openings can reduce glare and make the fencing unique and artistic. Additionally, it has V Curves along the length of the panel.

Material

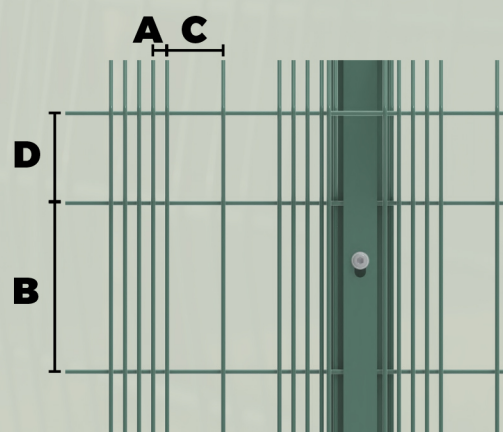
- Low carbon steel wires
- Galvanized steel wires

Wire Diameter

- Horizontal wire: 3-6 mm
- Vertical wire: 3-6 mm

Surface Treatment

- Hot dipped galvanized after welding
- Hot dipped galvanized + powder coated



Mesh Opening

Dimensions	Type A	Type B
Small opening (A × B)	12.5 mm × 150 mm	12.5 mm × 50 mm
Large opening (C × B)	50 mm × 150 mm	50 mm × 50 mm
Small opening on V Curves (A × D)	12.5 mm × 80 mm	12.5 mm × 50 mm
Large opening on V Curves (C × D)	50 × 80 mm	50 mm × 50 mm

Panel Size

- Panel length: 2250/2500/3025 mm.
- Panel height: 900 mm to 2400 mm.

Fence Post

- 60 × 60 × 2.0 mm
- 60 × 80 × 2.5 mm

Notes: All dimensions are customizable.

Paladin Mesh Fence system Specification

Fence Height	Panel Size	Beams	Inter clamps	Corners Clamps
900 mm	925 × 3025 mm	2	3	6
1200 mm	1240 × 3025 mm	2	4	8
1800 mm	1850 × 3025 mm	2	5	10
2000 mm	2000 × 3025 mm	3	6	12
2400 mm	2440 × 3025 mm	3	7	14
Post	60 × 60 × 2.00 mm and 60 × 80 × 2.5 mm			

Benefits

- High level of strength and security
- Semi-transparent, allowing for easy visibility and preventing anything from hiding behind the fence
- Anti-climb design, making it challenging to scale
- Anti-cutting, as the metal wires in the mesh are resistant to scissors, pliers, or wire cutters
- Quick and easy installation process compared to other fencing options
- Cost-effective security solution
- Rust and corrosion resistant with powder coating and hot-dip galvanization options available
- Available in a wide range of colors to blend with all your site environments.

Applications

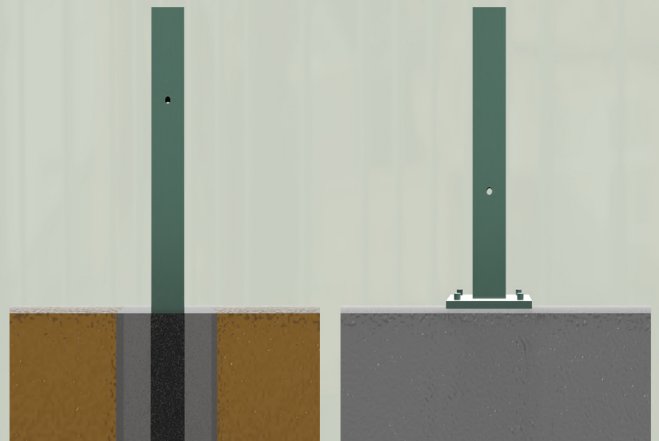
- Education premises
- Residential areas and private estates
- Sports facilities and parks
- Playgrounds and sports fields
- Warehouses and factories
- Airports
- Commercial spaces
- Construction sites
- Farms and agricultural areas



Installation Instruction

1. Prepare foundation & fasten posts

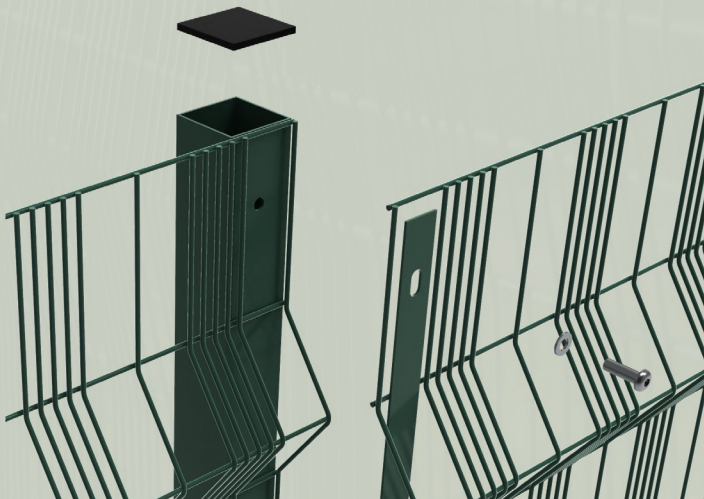
There are two types of Installation types: concrete buried and bolts & nuts. According to your installation environments and decide which one installation type is best for you. Please note the post structure of the two installation are different. You should decide the installation type before you order the paladin fencing.



2. Fasten fence panels onto the posts

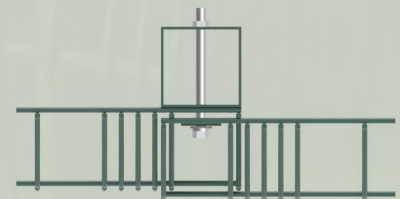
There are two types of fastening types: clamps and flat bars. You can install them according to the following instructions.

Flat bar installation

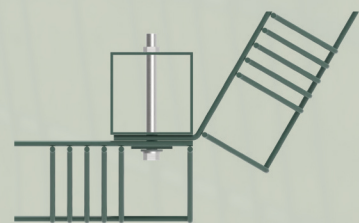


Flat metal bar is typically placed vertically across the top and bottom of the panel to provide a strong and rigid connection between the panel and the post and prevent the panels from being easily tampered with or removed. It tends to provide a more robust and visually seamless appearance, as there are no visible clamps.

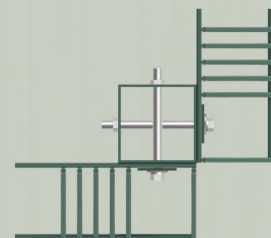
Before installing the flat bars, you need to overlap one mesh opening for firm fastening.



Plain View on Intermediate Post

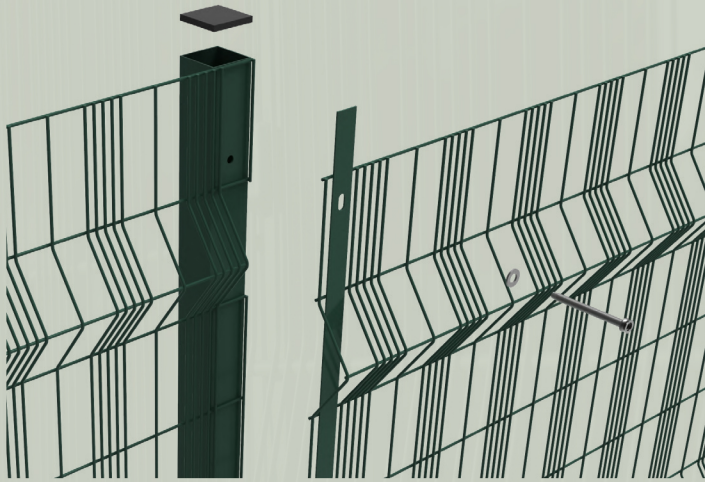


Plain View on Obtuse Corner Post

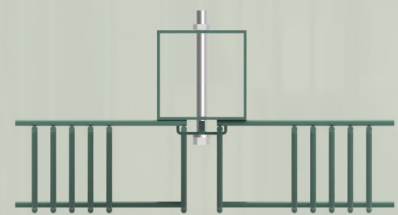


Plan View on 90° Corner Post

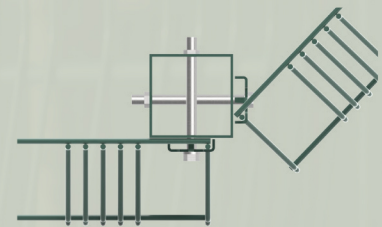
Clamp installation



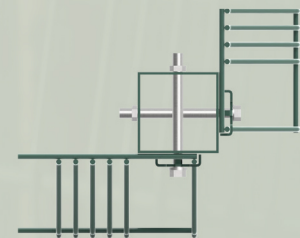
Spider shaped clamps are designed to tightly grip the wire mesh of the fence panel, holding it securely in place, which are typically placed along the posts at regular intervals. This installation method allows for easier adjustment and alignment of the panels during installation. It may be a more cost-effective option compared to flat bar installation, as it requires fewer materials.



Plain View on Intermediate Post

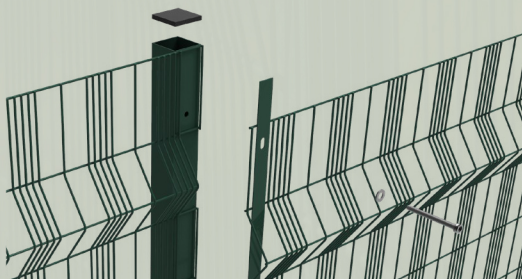


Plain View on Obtuse Corner Post

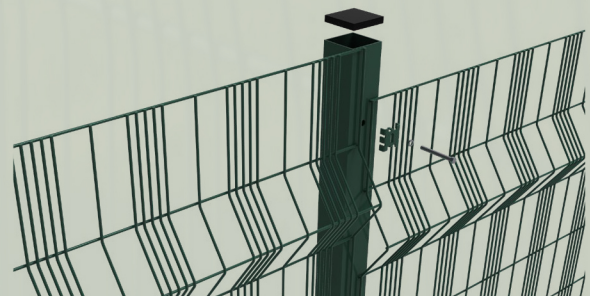


Plan View on 90° Corner Post

For different gradients installation



When adjoining panels are stepped for gradients, the flat bar profiles on the inner panel must be trimmed back and made good on-site, to accommodate the overlapping panel.



Different gradients are achieved by reducing the post centers and width of panel to suit. Steeper slopes will require made-to-order extra-long posts, manufactured with additional threaded inserts to suit the stepping required between adjoining panels to suit each gradient.



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