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FOSTERING SUSTAINABILITY, AND ELEVATING SUCCESS.



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FENCE CATALOGUE

LEADING FENCE MANUFACTURERS IN KSA:
DELIVERING TOP-QUALITY FENCING AND STEEL
SOLUTIONS WITH A COMMITMENT TO SECURITY,
INNOVATION, AND EXCELLENCE FOR EVERY PROJECT.

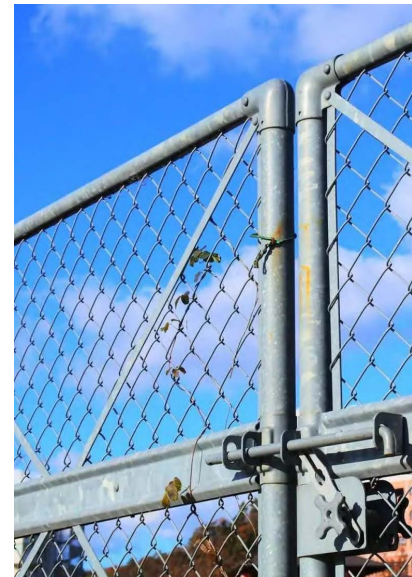
1ST EDITION

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Hitech Steel Industries: We offer comprehensive solutions to enhance security, optimize space, and control erosion. With a commitment to Saudi-made excellence and sustainability, we deliver a wide range of products and services through our diverse divisions. For more information, visit our website: www.hitech.sa

FENCE SOLUTIONS



AT HITECH FENCE, WE SET THE STANDARD FOR BOTH SECURITY AND AESTHETIC APPEAL WITH OUR EXTENSIVE RANGE OF FENCING SOLUTIONS. RECOGNIZED AS A PREMIER FENCE MANUFACTURER WE CATER TO A DIVERSE ARRAY OF NEEDS, FROM HCIS AND ARAMCO FENCES TO DECORATIVE BARRIERS, ENSURING ROBUST PROTECTION AND ENHANCED VISUAL INTEGRATION ACROSS VARIOUS SECTORS, INCLUDING INDUSTRIAL FACILITIES, OIL AND GAS REFINERIES, AND CRITICAL INFRASTRUCTURE SUCH AS AIRPORTS AND SEAPORTS.

WHO WE ARE?



MUHAMMAD JAVED IQBAL

Chief Executive Officer

Striving for global excellence, pioneering innovations, fostering sustainability, and elevating success

HITECH STEEL INDUSTRIES

Established in 2008, Hitech Group progressively evolved into a dynamic conglomerate, seamlessly integrating pivotal divisions such as Nartel Contracting, Hitech Fence, Hitech Trading, and HAH services. Post the 2017 acquisition by Hitech Fence UK, we adeptly manage a diverse workforce, excelling in industrial, retail, and services sectors.

Our distinguished journey is unmistakably marked by continuous growth, innovation, fortifying and solidifying our influential position in the ever-evolving business landscape.

MAIN OBJECTIVES

- We utilize the finest materials and cutting edge technologies to ensure our Saudi-made products are built to last.
- We invest in our team's growth, learning, and leadership development.

WHY CHOOSE US?

Saudi-Made Excellence: We are proud to manufacture high-quality products in Saudi Arabia, fostering local expertise and contributing to the Kingdom's development.

Unwavering Commitment to Quality: Durability and reliability are at the core of our products, ensuring long-term value for your investment.

Sustainable Practices: We prioritize environmental responsibility, minimizing our impact and advocating for a greener future.

"Our mission is to stay committed to exponential company growth, relentlessly striving for unparalleled success year after year."

HITECH OPERATES IN GIVEN INDUSTRIES.



HITECH
STEEL INDUSTRIES
GABION

GABION

Development of Gabion basket products for both business-to-business (B2B) and business-to-consumer (B2C) markets, tapping into the demand for versatile and sustainable construction solutions.



HITECH
STEEL INDUSTRIES
RACKS & PARTITION

RACKS AND PARTITION

Hitech is the trusted choice across Saudi Arabia for commercial rack needs. Our partitions offer superior quality for various settings. Explore high-quality racks and partitions for homes and factories.



HITECH
STEEL INDUSTRIES
BARRIER

BARRIER

Hitech Barrier secures your space with parking access and barrier solutions, locally designed and manufactured for enhanced security and aesthetics, including collaboration with solar gates for Instaboom and SOSEC barriers.



HITECH
STEEL INDUSTRIES
FENCE & STEEL

FENCE & STEEL

Hitech Fence & Steel offers a complete range of fencing products, meeting aesthetic and security needs in Kingdom of Saudi Arabia. We also provide high-quality reinforced steel bars for construction.



HITECH
STEEL INDUSTRIES
INDUSTRIAL AUTOMATION

INDUSTRIAL AUTOMATION

Hitech Industrial Automation offers comprehensive solutions for industry needs, from CNC machines and warehouse racks to logistics products. Additionally, we provide expert services for product manufacturing and finish coating, ensuring quality from start to finish.



HITECH
STEEL INDUSTRIES
SMART

E-SMART

Hitech specializes in designing, constructing, installing, and maintaining smart public toilets, renowned for pioneering self-cleaning and automatic designs. Committed to innovation, we seek cutting-edge solutions in technology and design.



مسكني الذكي
Maskni Alzaki

MASKNI ALZAKI

At Maskni Alzaki, we offer premium UPVC windows, doors, and eco-friendly WPC doors that enhance your home and office with style, durability, and security. Our products provide superior insulation, waterproofing, and modern aesthetics. Upgrade your space with our sleek and sustainable solutions!

WE EXTEND OUR SINCERE GRATITUDE FOR YOUR TRUST AND SUPPORT. YOUR SATISFACTION DRIVES OUR DEDICATION TO EXCELLENCE. WE'RE HONORED TO SERVE YOU WITH TOP-NOTCH PRODUCTS AND EXCEPTIONAL SERVICE.

SIEMENS

SIEMENS

Siemens stands as a renowned global leader in technology, renowned for its innovation and advancements.

ERICSSON

ERICSSON

Creating game-changing technologies and services that shape our future that's what Ericsson do.

MOTOROLA

MOTOROLA

Motorola is a leading telecommunications company known for its mobile phones and infrastructure.



NEOM

NEOM is Leading the charge in Saudi Arabia's innovation and sustainability endeavors.



MOBILY

Etihad Etisalat Company, a Saudi telecom provider, offers fixed line, mobile, and internet services as Mobily.



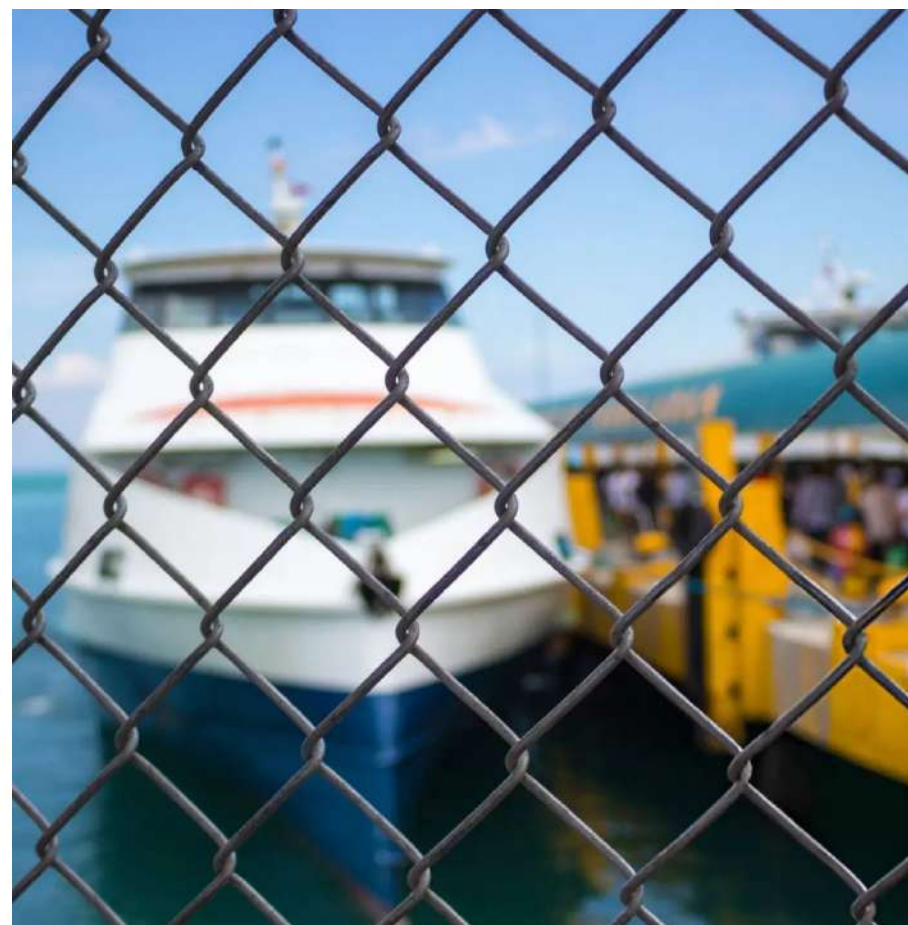
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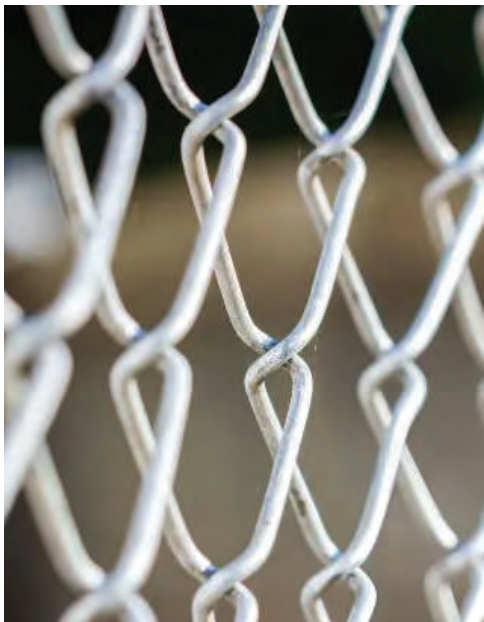
Diriyah, a cultural and historical gem, is becoming a global destination for enthusiasts.

OUR VALUED CUSTOMERS.

WHAT WE PROVIDE?

Hitech Fence delivers top-quality fencing and steel solutions, combining security, innovation, and aesthetic appeal. Serving sectors like airports, railways, oil and gas facilities, and industrial infrastructure, we provide robust and reliable products, from HCIS-approved and Aramco-standard fences to decorative barriers. With a focus on excellence and customer satisfaction, we tailor our solutions to meet unique needs, ensuring durability, safety, and superior service in every project.





CHAIN LINK FENCING

The Chain Link Fencing System offers durable protection against external interference along property boundaries. With high-strength metal wires woven into a diamond-shaped pattern, this versatile fencing solution is ideal for residential, commercial, and industrial applications. It provides visibility, is easy to maintain, and can be customized to meet the needs of different locations.

WELDED MESH FENCE

Our welded mesh fences provide exceptional strength, durability, and protection for residential, commercial, and industrial applications. Built with high-quality materials, they are designed to withstand harsh weather and external impacts. With models ranging from high-security options to decorative designs, our fencing solutions offer the perfect blend of functionality and aesthetics, ensuring long-term reliability and protection.



Security mesh fences are a versatile and essential solution for safeguarding properties and public spaces, offering a perfect blend of strength, durability, and visual appeal. Designed to create a secure barrier without compromising aesthetics, these fences are widely used in industrial, commercial, and residential settings. Their robust construction ensures reliable protection against unauthorized access, while their sleek, modern design enhances the overall appearance of any space. By combining functionality with style, security mesh fences provide a superior solution for maintaining safety and peace of mind in various environments.

SECURITY MESH FENCE



Explore the robust and flexible Heras Fencing solutions offered by Hitech, tailored to meet a wide range of temporary enclosure needs. Whether you're securing a construction site, managing crowds at events, or requiring temporary access control, our Heras Fencing products are designed for quick deployment and high durability.

HERAS FENCING



CHAIN LINK FENCE

CHAIN LINK FENCING

The Chain Link Fencing System offers durable protection against external interference along property boundaries. With high-strength metal wires woven into a diamond-shaped pattern, this versatile fencing solution is ideal for residential, commercial, and industrial applications. It provides visibility, is easy to maintain, and can be customized to meet the needs of different locations.



CHAIN LINK FABRIC OPTIONS

Galvanized Chain Link Fabric	Rust-resist Rust-resistant and ideal for inland areas. ant and ideal for inland areas.
PVC Coated Chain Link Fabric	PVC (extruded Bonded) bonded for enhanced durability, perfect for coastal
Available Heights	As per customer requirements (1000mm Height to 5000mm Height)

CHAIN LINK FENCE COMPONENTS

Line Posts	ASTM , BS or Generic Standard
Terminal, Corner, and Pull Posts	ASTM , BS or Generic Standard
Brace Post Back Support	ASTM , BS or Generic Standard
Top Rail	ASTM , BS or Generic Standard
Tension Wire	Galvanized and PVC-coated options
Barbed Wire	Galvanized, PVC-coated or Powder Coated
Tie Wire	Galvanized, PVC-coated or Powder Coated
Extension Arm	Galvanized, PVC-coated or Powder Coated
Fittings	Galvanized, PVC-coated or Powder Coated
Brace Rail	Galvanized, PVC-coated or Powder Coated

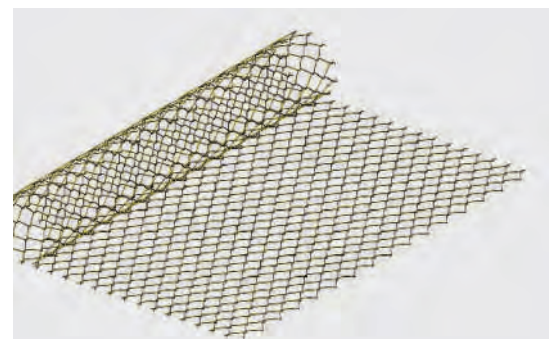
GALVANIZED CHAIN LINK FENCE

The Chain Link Fence, also known as the diamond mesh fence, is a robust and versatile fencing solution crafted from galvanized steel wire. It's simple yet effective design makes it suitable for a wide range of applications. With options for different mesh sizes and wire gauges, it offers flexibility to meet various needs. You can choose between a smooth knuckled edge or a barbed edge to finish off your fence. Renowned for its durability and reliability, the Chain Link Fence stands as a popular choice for securing properties and spaces with ease.



DIMENSIONS

Product Name	Mesh Size	Wire Thickness	Roll Length	Coating
Galvanized Chain Link Fence	25x25	2.0mm to 4.00mm	10m 15m 20m 25m	Hot Dip Galvanized (40-366) g/m2
	30x30			
	44x44			
	50x50			
	60x60			
	70x70			



FEATURES

- **Mesh Sizes (mm):** 25x25, 50x50x, 60x60, 70x70
- **Wire Diameter(mm):** 2, 2.5, 3.0, 3.5, 3.76
- **Roll Height(m):** 1.0 to 4.00
- **Roll Length(m):** 10, 15, 20, 25
- **End Type:** Knuckled End & Barbed End
- **Zinc Coating (G/m2):** 40 to 36

PVC CHAIN LINK FENCE ROLL

Introducing PVC Chain Link Fence Roll that transform your space with our durable PVC woven chain link fence roll, designed to provide unparalleled security and style. This type of fence offers durability, weather resistance, and low maintenance. Moreover, this fence offers a sleek and modern aesthetic while ensuring privacy and protection. It's the perfect solution for residential, commercial, and industrial properties alike. They provide a cost-effective solution for boundary delineation while offering visibility and airflow.



Product Name	Mesh Size	Wire Thickness	Roll Height	Roll Length
PVC Chain Link Fence	40X40	3 mm/ 4.88 mm	1.5m Up to 4.0m	10m 15m
	50X50			
	60X60			

FEATURES

- PVC coated following ASTM F-668 as standard
- Hot dip galvanized to ASTM A-123 & A-153 as standard (40-366) g/m2
- Green RAL 6005 for PVC
- Knuckled End & Twisted End
- PVC coated
- Rust Resistant
- Quick Installation
- Good performance
- Versatility
- Security fence
- Can be customized in terms of colour and size
- Cost effective



CHAIN LINK FENCE POST

Discover optimal fencing solutions with Hitech's Chain Link Fence Posts. Transform your property with our durable and versatile posts, engineered to withstand harsh elements. These posts provide unparalleled durability and security, making them the ideal choice for both residential and commercial fencing projects. Easy to install and requiring minimal maintenance, they are perfect for a variety of applications. Our range includes Line, Terminal, Brace, and Top Rail posts, all adhering to ASTM or BS standards for durability and reliability, ensuring robust performance tailored to diverse needs.



KEY FEATURES

Our ASTM-standard pipes come in Grades A and B, with diameters from ½" (21.3mm OD) to 14" (355.6mm OD) pipe, built to SCH 40 specs for durability. Also available in BS standards (Light, Medium, Heavy Series) up to 6 inches, they suit both light and heavy-duty applications.

- ASTM and BS Standards Compliant
- Line, Terminal, Brace, and Top Rail posts to meet diverse structural needs.
- Offered in Galvanized, Painted, and PVC Coated finishes for enhanced longevity.
- Easy Installation
- Flexible Applications

CHAIN LINK FENCE ACCESSORIES

ACCESSORIES

- Barbed Wire Arms / Extension Arms
- Tension & Brace Bands
- End Rail & Brace Rail Clamp
- Post Caps
- Brace Cup
- Tension Bars
- Tension / Stretcher Steel Bar
- Truss Rod
- Turn Buckle
- Tie Wire
- Sleeve
- Bolts and Nuts
- Concertina Wire Coil
- Barbed Wire



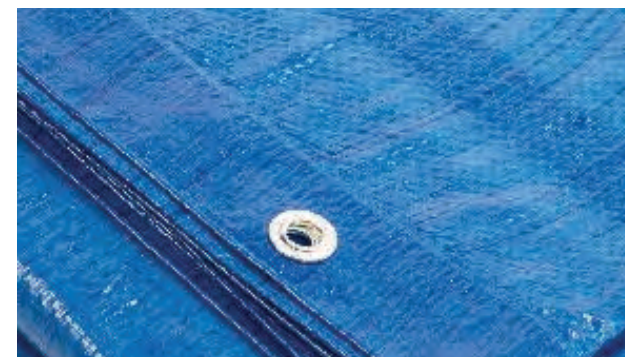
HDPE FABRIC SCREEN



HDPE (High Density Polyethylene) fabric is perfect for numerous applications such as building sites, scenic areas, gardens, backyards, schoolyards, tennis courts, poultry guards, patios, decks, docks, and both commercial and residential uses. This fabric is knitted from 100% high-quality PURE polyethylene material, ensuring optimal UV stability. It provides 90% UV protection and 95% blockage, making it highly effective at shielding from the sun. The sides of the fabric are reinforced with 1.5" of knitted black hemming for added strength. Rustproof copper grommets are spaced 12" vertically and 24" horizontally on all four sides, with each corner featuring three grommets for additional support. The fabric has a density of 180 GSM, ensuring it is both durable and resilient. Furthermore, HDPE fabric is resistant to mildew and mold, offers water-resistance, and allows for optimal airflow. This combination of features makes HDPE fabric an excellent choice for various shading and protection needs.

ACCESSORIES

- Lightweight Material
- 70% Visibility, Customizable
- UV-Stabilized Fabric
- High Tensile Strength
- Breathable Design
- Weather-Resistant
- Non-Corrosive
- Versatile Applications



SPECIFICATION

Material: High Density Polyethylene, known for its toughness and stiffness

Density: 180 GSM, ensuring a durable and long-lasting fabric

Roll Height(m): Available in various sizes with custom options to fit specific needs

Roll Length(m): Withstands temperatures from 212°F to 220°F, suitable for a range of climates

End Type: Acts as an effective vapor retarder, enhancing foundation protection

WELDED MESH FENCE

HIWELD 3D50™

HiWeld 3D50™ is a welded mesh fencing system designed to deliver medium-security solutions with enhanced durability. Manufactured using 5mm vertical and horizontal galvanized steel wires, the fence features a 50x200mm rectangular mesh opening with a unique 3D profile for added reinforcement. This cost-effective fencing solution is ideal for large sites, providing a high-quality alternative to chain-link fences.



COMPONENTS

The HiWeld 3D50™ fencing system comprises three main components: Posts, Panels, and Fittings. Below is a detailed breakdown of each component's specifications:

POSTS

HiWeld 3D50™ posts are hollow steel sections designed to support the fence structure. The posts are available in different configurations based on height and installation requirements.



PANELS

The mesh panels are crafted from welded steel wires with a 50x200mm mesh design, featuring a special 3D profile for extra reinforcement. The standard panel width is 2500 mm, while panel heights can range from 950 mm to 1950 mm, with options to stack panels for fences up to 6000 mm in height.



FITTINGS

Metal clips or flat bars are used to secure the mesh panels to the posts. Fittings are spaced at 400mm intervals, using round head 8mm diameter bolts for attachment.



KEY FEATURES

Mesh Size: 50 mm x 200 mm

Wire Diameter: 4mm or 5mm vertical and horizontal wires

Material: Galvanized steel

Post Dimensions: 40 x 40mm, 60 x 60mm, or 50 x 100mm depending on fence height

Standard Panel Width: 2500 mm

Panel Heights: 950 mm, 1450 mm, 1950 mm (stackable up to 6000 mm)

Tensile Strength: Min. 500 N/mm²

Welding Strength: 50% of total tensile strength in accordance with EN 10223-7

Panel Widths: 2500 mm

Post Dimensions: 50 x 50 mm (up to 1.5m high), 60 x 60 mm SHS (up to 3000 mm), 50 x 100 mm RHS (up to 6000 mm)

Post Centers: 2510 mm



HIWELD 3D38™

Introducing the HiWeld 3D38, a high-security welded mesh fencing system perfect for protecting industrial and public buildings. Constructed with 5mm vertical and horizontal wires and enhanced with a unique 3D profile, this cost-effective and aesthetically pleasing solution is an excellent alternative to traditional chain-link fences.

COMPONENTS

The HiWeld 3D50™ fencing system comprises three main components: Posts, Panels, Gates and Fittings. Below is a detailed breakdown of each component's specifications:



POSTS

HiWeld 3D38™ is designed to secure properties of all sizes, featuring hollow steel posts measuring 40x40mm, 60x60mm, or 50x100mm, based on fence height. These posts provide strength to withstand pressure and force while determining the fence's length and offering various mounting options.



PANELS

The 2500mm-wide mesh panels, made of 4mm or 5mm vertical and horizontal wires welded into 38x200mm rectangular openings, feature a 3D profile for added strength. Standard heights are 950mm, 1450mm, and 1950mm, stackable to a total height of 6000mm.



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 3D38™ fencing system. These gates come with a variety of opening mechanisms and can be manually or automatically operated.

KEY FEATURES

- Mesh Size:** 38 mm x 200 mm
- Wire Diameter:** 4mm or 5mm vertical and horizontal wires
- Material:** Galvanized steel
- Post Dimensions:** 40 x 40mm, 60 x 60mm, or 50 x 100mm depending on fence height
- Standard Panel Width:** 2500 mm
- Panel Heights:** 950 mm, 1450 mm, 1950 mm (stackable up to 6000 mm)
- Tensile Strength:** Min. 500 N/mm²
- Welding Strength:** 50% of total tensile strength in accordance with EN 10223-7
- Panel WidthS:** 2500 mm
- Post Dimensions:** 50 x 50 mm (up to 1.5m high), 60 x 60 mm SHS (up to 3000 mm), 50 x 100 mm RHS (up to 6000 mm)
- Post Centers:** 2510 mm

HIWELD 3D-EXTRA™

Our Welded Mesh Fence 3D Extra features 4mm vertical and 6mm horizontal wires welded into sturdy panels with large upper profiles for added strength. The panels include six wire groups spaced 25mm apart and alternating 50mm mesh apertures, creating a unique 3D profile. This design offers superior anti-climb security while enhancing the fence's aesthetics.



COMPONENTS

The HiWeld 3D-Extra™ fencing system comprises three main components: Posts, Panels, Gates and Fittings. Below is a detailed breakdown of each component's specifications:



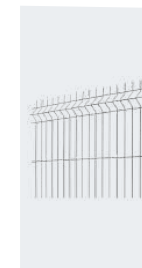
POSTS

The HiWeld 3D Extra's sturdy posts come in 40x40mm, 60x60mm, or 50x100mm sizes, designed to support various fence heights and resist external pressures. Mounting options include in-ground, base-plated, and cranked setups, with optional top cranks for added security and style.



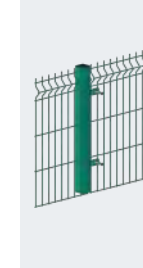
FITTINGS

For stability, our system uses durable 40x50mm metal clips or 50x5mm flat bars to secure panels to posts. Fittings are bolted every 400mm with 8mm bolts, ensuring a strong, tamper-resistant installation.



GATES

Our fencing system includes single and double-leaf gates, customizable with manual or automatic mechanisms. Designed to match the HiWeld 3D Extra, they ensure cohesive and secure perimeter protection.



PANELS

Our 2500mm wide panels, made from 4mm vertical and 6mm horizontal wires, feature a 3D profile for added security and a decorative look. Heights go up to 1950mm, stackable to 6000mm, with optional spikes and barbed wires.

KEY FEATURES

- Mesh Size:** two sections of 200 x 50mm and five sections of 200 x 25mm
- Wire Diameter:** 4mm vertical and 6mm horizontal wire
- Material:** Galvanized steel
- Post Dimensions:** 40 x 40mm, 60 x 60mm, or 50 x 100mm depending on fence height
- Standard Panel Width:** 2500 mm
- Panel Heights:** 950 mm, 1450 mm, 1950 mm (stackable up to 6000 mm)
- Tensile Strength:** Min. 500 N/mm²
- Welding Strength:** 50% of total tensile strength in accordance with EN 10223-7
- Panel WidthS:** 2500 mm
- Post Dimensions:** 50 x 50 mm (up to 1.5m high), 60 x 60 mm SHS (up to 3000 mm), 50 x 100 mm RHS (up to 6000 mm)
- Post Centers:** 2510 mm

HIWELD 2D656™

HiWeld 2D656™ is a cost-effective solution for large commercial fence projects, offering rigid panels for maximum security. Ideal for large sites, it's a great alternative to chain-link fences. The panels feature a flat 656 profile with twin 6mm horizontal wires and 5mm vertical wires, providing strong defense against vandals and intruders.

COMPONENTS

The HiWeld 2D656™ fencing system comprises three main components: Posts, Panels, Gates and Fittings. Below is a detailed breakdown of each component's specifications:



POSTS

HiWeld 2D656™ is designed for properties of all sizes, featuring hollow steel posts in 40x40mm, 60x60mm, or 50x100mm, depending on fence height. These posts

provide strength and support against pressure. Mounting options include in-ground, base-plated, cranked for wall mounting, plastic-capped tops, or extended with a 45-degree or double (Y) crank.



PANELS

The mesh panels between posts feature 6mm horizontal and 5mm vertical wires with a flat profile, welded at junctions to form 50x200mm rectangular openings.

Galvanized with a zinc alloy for durability, standard panel heights are 950mm, 1450mm, and 1950mm, stackable up to 6000mm. Security options include 30mm spikes, 3 or 6 barbed wires, or barbed wires with a concertina role. The wires have a minimum tensile strength of 500 N/mm², with welding strength at least 50% of the wire's tensile strength, meeting EN 10223-7 standards.



FITTINGS

The system uses 40x50mm metal clips or 50x5mm flat bars to secure the panels, bolted every 400mm with 8mm bolts.



GATES

Matching single and double-leaf gates are available for the HiWeld 2D656™ system, with options for manual or automatic operation.



KEY FEATURES

Mesh Size: two sections of 200 x 50mm and five sections of 200 x 25mm

Wire Diameter: 4mm vertical and 6mm horizontal wires

Material: Galvanized steel

Post Dimensions: 40 x 40mm, 60 x 60mm, or 50 x 100mm depending on fence height

Standard Panel Width: 2500 mm

Panel Heights: 950 mm, 1450 mm, 1950 mm (stackable up to 6000 mm)

Tensile Strength: Min. 500 N/mm²

Welding Strength: 50% of total tensile strength in accordance with EN 10223-7

Panel Widths: 2500 mm

Post Dimensions: 50 x 50 mm (up to 1.5m high), 60 x 60 mm SHS (up to 3000 mm), 50 x 100 mm RHS (up to 6000 mm)

Post Centers: 2510 mm



COMPONENTS

The HiWeld 2D868™ fencing system comprises three main components: Posts, Panels, Gates and Fittings. Below is a detailed breakdown of each component's specifications:



POSTS

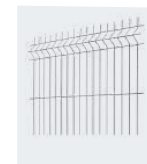
HiWeld 2D868™ is designed to secure properties of all sizes, featuring hollow steel posts in 40x40mm, 60x60mm, or 50x100mm, depending on fence height,

providing strength against pressure. The posts set the fence length and offer several mounting options, including in-ground installation, base-plated for bolting to concrete, cranked for wall mounting, and options for a plastic cap, 45-degree crank, or double (Y) crank extension on top.



FITTINGS

The system uses 40x50mm metal clips or 50x5mm flat bars to secure the panels, bolted every 400mm with 8mm bolts.



GATES

Single and double-leaf gates are available for the HiWeld 2D868™ system, with manual or automatic operation options.



PANELS

The mesh panels feature 8mm diameter horizontal and vertical wires with a flat profile, welded at junctions to form 50x200mm rectangular openings, and treated with a galvanized

zinc alloy for durability. Standard panel heights are 950mm, 1450mm, and 1950mm, stackable up to 6000mm. For enhanced security, options include 30mm projecting spikes, 3 or 6 barbed wires, or barbed wires with a concertina role. The wires have a minimum tensile strength of 500 N/mm², with welding strength at least 50% of the wire's tensile strength, meeting EN 10223-7 standards.

KEY FEATURES

Mesh Size: 50mm x 200mm

Wire Diameter: Twin 8mm diameter horizontal wires on either side of 6mm diameter vertical wires.

Material: Galvanized steel

Post Dimensions: 40 x 40mm, 60 x 60mm, or 50 x 100mm depending on fence height.

Standard Panel Width: 2500 mm

Panel Heights: 950 mm, 1450 mm, 1950 mm (stackable up to 6000 mm)

Tensile Strength: Min. 500 N/mm²

Welding Strength: 50% of total tensile strength in accordance with EN 10223-7

Panel Widths: 2500 mm

Post Dimensions: 50 x 50 mm (up to 1.5m high), 60 x 60 mm SHS (up to 3000 mm), 50 x 100 mm RHS (up to 6000 mm)

Post Centers: 2510 mm



COMPONENTS

The HiWeld 2D868 Plus fencing system comprises three main components: Posts, Panels, Gates and Fittings. Below is a detailed breakdown of each component's specifications:



POSTS

HiWeld 2D868 plus steel posts, available in 50x50mm, 60x60mm, and 50x100mm sizes, are designed to withstand pressure and force. These posts determine

the fence's length and can be installed by setting them over-length in the ground, base-plating to bolt onto concrete, or cranking them for wall mounting. They are topped with a plastic cap and can also feature extensions with a 45-degree cranked top or a double (Y) cranked extension.

KEY FEATURES

Mesh Size: 25mm x 200mm

Wire Diameter: Twin 8mm diameter horizontal wires on either side of 6mm diameter vertical wires

Material: Galvanized steel

Post Dimensions: 40 x 40mm, 60 x 60mm, or 50 x 100mm depending on fence height

Standard Panel Width: 2500 mm

Panel Heights: 950 mm, 1450 mm, 1950 mm (stackable up to 6000 mm)

Tensile Strength: Min. 500 N/mm²

Welding Strength: 50% of total tensile strength in accordance with EN 10223-7

Panel Widths: 2500 mm

Post Dimensions: 50 x 50 mm (up to 1.5m high), 60 x 60 mm SHS (up to 3000 mm), 50 x 100 mm RHS (up to 6000 mm)

Post Centers: 2510 mm

HIWELD 2D868 PLUS

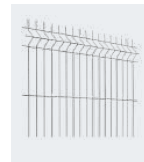
Introducing the HiWeld 2D868 Plus, a top-tier double wire mesh fencing system known for its robustness and impenetrability. This fencing is designed to provide the highest level of security for areas where protection is paramount. Its dense mesh pattern and high durability make it the preferred choice for securing sensitive sites.



PANELS

The mesh between the posts is called a panel. These panels have a flat profile with double 8mm diameter horizontal wires and 6mm vertical wires welded at 25mm intersections, making

them highly dense and difficult to cut. Standard panel heights are 950mm, 1450mm, and 1950mm, and they can be stacked to create fences up to 6000mm high. To prevent climbing, options include 30mm projecting spikes, 3 or 6 barbed wires, or 3 or 6 barbed wires with a concertina roll. The horizontal and vertical wires have a tensile strength of at least 500 N/mm², and the average welding strength is 50% of the total tensile strength, as per EN 10223-7



FITTINGS

The system uses 40x50mm metal clips or 50x5mm flat bars to secure the panels, bolted every 400mm with 8mm bolts.



GATES

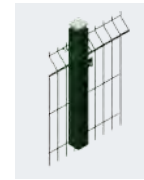
Automatic and manual operated gate matching the fencing with multiple single or double leaf gate options.

HI-SECURE 476

The Hi Secure 476 presents an advanced welded mesh fencing system, tailored for high-security applications. Featuring 4mm thick wires and compact 76.2x12.5mm mesh gaps, this fence is engineered to deter unauthorized access, making it perfect for protecting sensitive areas.

HI-SECURE 476

The HiWeld 2D868 Plus fencing system comprises three main components: Posts, Panels, Gates and Fittings. Below is a detailed breakdown of each component's specifications:



POSTS

Hi Secure 476 is designed to secure properties of various sizes, with its hollow steel posts available in 50x50mm, 60x60mm, or 50x100mm, depending on the fence

height. These posts offer strength to withstand pressure and force and define the fence's length. They can be mounted in several ways: set over-length in the ground, base-plated for bolting onto concrete, cranked for wall mounting, capped with plastic on top, or extended with a 45-degree or double (Y) crank.



PANELS

The mesh panels, 2500mm wide, are made with 4mm/5mm vertical and horizontal wires welded into 76.2x12.5mm rectangular openings, reinforced by a 2D profile. Standard heights are

950mm, 1450mm, and 1950mm, stackable to 6000mm. For added security, options include 30mm projecting spikes, 3 or 6 barbed wires, or barbed wires with a concertina roll. Wires have a minimum tensile strength of 500 N/mm², with welding strength at least 50% of the tensile strength, meeting EN 10223-7 standards.



FITTINGS

Mesh panels are secured with 40x50mm clips or 50x5mm bars, bolted every 400mm with 8mm bolts.



GATES

Single and double leaf gates for the Hi Secure 476 system are available with manual or automatic operation and various opening mechanisms.

KEY FEATURES

Mesh Size: 76.2x12.5mm

Wire Diameter: 4mm or 5mm Dia Vertical and Horizontal Wires

Material: Galvanized steel

Post Dimensions: 40 x 40mm, 60 x 60mm, or 50 x 100mm depending on fence height

Standard Panel Width: 2500 mm

Panel Heights: 950 mm, 1450 mm, 1950 mm (stackable up to 6000 mm)

Tensile Strength: Min. 500 N/mm²

Welding Strength: 50% of total tensile strength in accordance with EN 10223-7

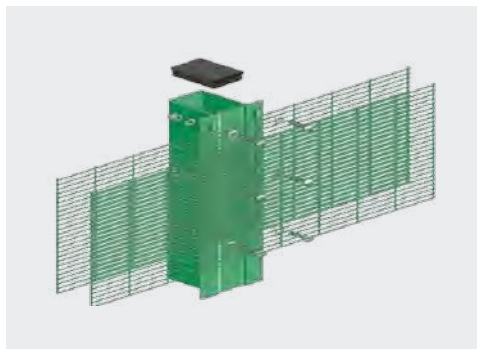
Panel Widths: 2500 mm

Post Dimensions: 50 x 50 mm (up to 1.5m high), 60 x 60 mm SHS (up to 3000 mm), 50 x 100 mm RHS (up to 6000 mm)

Post Centers: 2510 mm

HI-SECURE 476 DOUBLE

The HiSecure 476 Double offers a robust double-profiled mesh fencing system, tailored for areas demanding high security. With its 4mm vertical and horizontal wires and compact mesh openings of 76.2x12.5mm, this system is engineered to provide an impregnable barrier.



COMPONENTS

The Hi-secure 476 Double fencing system comprises three main components: Posts, Panels, Gates and Fittings. Below is a detailed breakdown of each component's specifications:

POSTS

HiSecure 476 Double posts, available in sizes up to 50x100mm, are designed for high-security needs. They can be installed in-ground, base-plated for concrete, or wall-mounted with cranks for added versatility and stability.



PANELS

Panels feature double layers of 4mm wires, creating a formidable mesh that resists cutting and climbing, making them ideal for high-security environments. Options for height customization up to 6000mm cater to varying security levels.



FITTINGS

Durable fittings, including 40x50mm clips and 50x5mm flat bars, are used to securely attach panels to posts, ensuring stability and resistance against breaches.



GATES

Complementary gates enhance the continuity of security, available in both manual and automated configurations to match the fencing system.

KEY FEATURES

Mesh Size: 76.2x12.5mm with a special 2D profile for additional reinforcement
Wire Diameter: 4mm or 5mm Dia Vertical and Horizontal Wires
Material: Galvanized steel
Post Dimensions: 40 x 40mm, 60 x 60mm, or 50 x 100mm depending on fence height
Standard Panel Width: 2500 mm
Panel Heights: 950 mm, 1450 mm, 1950 mm (stackable up to 6000 mm)
Tensile Strength: Min. 500 N/mm²
Welding Strength: 50% of total tensile strength in accordance with EN 10223-7
Panel Widths: 2500 mm
Post Dimensions: 50 x 50 mm (up to 1.5m high), 60 x 60 mm SHS (up to 3000 mm), 50 x 100 mm RHS (up to 6000 mm)
Post Centers: 2510 mm

WELDED MESH DECORATIVE FENCE

Discover the HiDecorative Fence, a superior blend of form and function. This decorative fencing system, featuring 4mm, 5mm & 6mm wires, offers both beauty and robust protection with its Variable mesh openings according to customer requirements and attractive 2D profile. Ideal for large areas, it serves as a stylish alternative to traditional fencing options

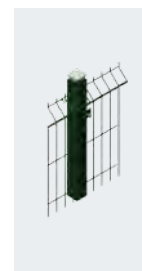


COMPONENTS

The Hi-secure 476 Double fencing system comprises three main components: Posts, Panels, Gates and Fittings. Below is a detailed breakdown of each component's specifications:

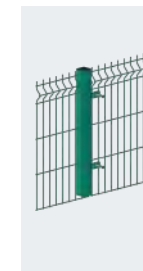
POSTS

Strength and Versatility: Posts are available in 60x60mm and 40x80mm, designed to withstand significant force. They support various mounting styles including in-ground, base-plated, and wall-mounted options



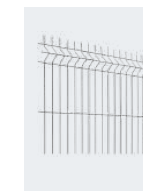
PANELS

Secure and Stylish: Panels measure 2490mm in width with 4mm wires, creating a secure barrier with aesthetic appeal. Heights range from 1130mm to 1960mm, with customization options available.



FITTINGS

Durable Attachments: Utilize rigid 50x5mm flat bar clamps for secure panel attachment, ensuring robust fence integrity.



GATES

Functional Elegance: Choose from a variety of gate designs, both manual and automated, to complement the fencing style.



KEY FEATURES

Mesh Size: Variable according to clients request
Wire Diameter: 4mm, 5mm, or 6mm Dia Vertical and Horizontal Wires.
Material: Galvanized steel
Post Dimensions: 40 x 40mm, 60 x 60mm, or 50 x 100mm depending on fence height
Standard Panel Width: 2500 mm
Panel Heights: 950 mm, 1450 mm, 1950 mm (stackable up to 6000 mm)
Tensile Strength: Min. 500 N/mm²
Welding Strength: 50% of total tensile strength in accordance with EN 10223-7
Panel Widths: 2500 mm
Post Dimensions: 50 x 50 mm (up to 1.5m high), 60 x 60 mm SHS (up to 3000 mm), 50 x 100 mm RHS (up to 6000 mm)
Post Centers: 2510 mm

SECURITY MESH FENCE

MESH FENCE SECURITY (سياج شبكي أمن)

A security mesh fence is a type of a fencing system that has been developed lately to offer high security to facilities and common areas. A security mesh fence is a cutting-edge solution designed to deliver top-tier protection for properties and public spaces. Built from durable, high-quality materials, these fences form a strong barrier to deter unauthorized access, ensuring safety and peace of mind. These fences are mostly constructed from very hard materials that provides a good security against intruders thus making them secure. Security mesh fencing (سياج شبكي أمن) shares all the features (سمات) of the mentioned type and, in addition, has a more elegant appearance that will look good in industrial zones and individual territories. Additional features such as welded mesh security fencing represent even greater strength and reliability and make these fences the ideal solution for lasting protection and visual appeal to meet a range of needs.



WHY SECURITY MESH FENCE (سياج شبكي أمن) IS RIGHT FOR YOU?



The Ultimate Choice for Security , Style, Strength, Style, and Sustainability. It is imperative to use security mesh fences, particularly because they are visually secure, designed to minimize climbing and cutting in homes and industries. They are fabricated from materials that do not corrode easily and so they are quite resilient and appropriate to weather variations, thus they may be said to be lasting and easy to maintain. This makeup also has many features that are easily adaptable and provide appearance advantages designs and the ability for products to be made from environment alfalfa materials. Altogether marketable, secure, and stylish along with being cost effective they can be recommended for any building security

PALISADE FENCING

Palisade fencing stands out as a preferred choice for robust security solutions, distinguished by its intimidating design, electrification options, and exceptional durability. Featuring a smooth surface, sturdy construction, sharp spikes, and minimal gaps, this fencing style effectively deters climbing, straddling, and foothold attempts, enhancing security measures.



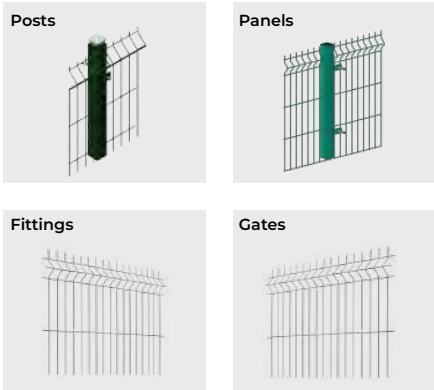
DIMENSIONS

Item Code	Fence Height	Pale Height	Pale Section	Post Size	Horiz. Rail
HIPLS100	1.00m	9.50m	2mm W / 3mm D	102x 44mm	50x50x5mm
HIPLS150	1.50m	1.45m	2mm W / 3mm D	102x 44mm	50x50x5mm
HIPLS200	2.00m	1.95m	2mm W / 3mm D	102x 44mm	50x50x5mm
HIPLS250	2.50m	2.50m	2mm W / 3mm D	102x 44mm	50x50x5mm
HIPLS275	2.75m	2.70m	2mm W / 3mm D	127x 76mm	50x50x5mm
HIPLS300	3.00m	2.90m	2mm W / 3mm D	127x 76mm	50x50x5mm

KEY FEATURES

- Anti-climb design.
- Complies with BS EN 1722-12 standards.
- Vertical pale spacing adheres to anti-luring building guidelines.
- Various post options: over-length, base plated, or cranked for suitable fixation.
- Customizable post tops for barbed wire, razor wire, electric fencing, or CCTV camera mounting.
- Panels can be racked or stepped to accommodate sloping terrain.
- Adaptable to any landscape.
- Highly durable and suitable for a wide range of applications, from decorative to highly secure installations.

COMPONENTS



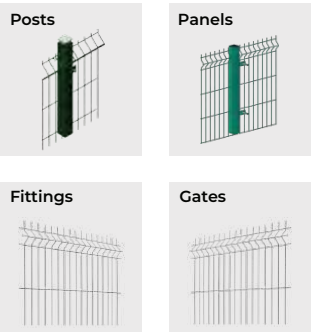
SPIKE FENCING

Ensure maximum security with HiTech's Spike Fence, the ultimate solution for safeguarding sensitive areas. Standing up to 3000mm tall, this advanced fencing system features vertical pales supported by durable horizontal rails and welded joints for superior strength. Each pale is equipped with a 10mm downward-pointing spherical bar, enhancing climb resistance and preventing unauthorized access effectively. Built for stringent security needs, the HiTech Spike Fence delivers exceptional durability and robust perimeter protection.

DIMENSIONS

Item Code	Fence Height	Pale Height	Pale Section	Post Size	Horiz. Rail
HIPLS100	1.00m	9.50m	2mm W / 3mm D	102x 44mm	50x50x5mm
HIPLS150	1.50m	1.45m	2mm W / 3mm D	102x 44mm	50x50x5mm
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HIPLS275	2.75m	2.70m	2mm W / 3mm D	127x 76mm	50x50x5mm
HIPLS300	3.00m	2.90m	2mm W / 3mm D	127x 76mm	50x50x5mm

COMPONENTS



KEY FEATURES

- Anti-climb design.
- Complies with BS EN 1722-12 standards.
- Vertical pale spacing adheres to anti-luring building guidelines.
- Various post options: over-length, base plated, or cranked for suitable fixation.
- Customizable post tops for barbed wire, razor wire, electric fencing, or CCTV camera mounting.
- Panels can be racked or stepped to accommodate sloping terrain.
- Adaptable to any landscape.
- Highly durable and suitable for a wide range of applications, from decorative to highly secure installations.



BOW TOP FENCING

Bow Top Fencing is renowned for its combination of elegance and effective security measures. It's an excellent choice for those who need reliable perimeter protection without compromising on the look of the landscape. It's particularly popular in public areas like parks, schools, and residential complexes due to its friendly appearance and high safety standards.

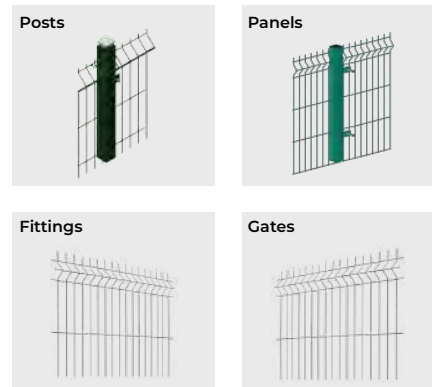
DIMENSIONS

Item Code	Fence Height	Pale Height	Pale Section	Post Size	Horiz. Rail
HIPLS100	1.00m	9.50m	2mm W / 3mm D	102x 44mm	50x50x5mm
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HIPLS300	3.00m	2.90m	2mm W / 3mm D	127x 76mm	50x50x5mm

KEY FEATURES

- Anti-climb design.
- Complies with BS EN 1722-12 standards.
- Vertical pale spacing adheres to anti-luring building guidelines.
- Various post options: over-length, base plated, or cranked for suitable fixation.
- Customizable post tops for barbed wire, razor wire, electric fencing, or CCTV camera mounting.
- Panels can be raked or stepped to accommodate sloping terrain.
- Adaptable to any landscape.
- Highly durable and suitable for a wide range of applications, from decorative to highly secure installations.

COMPONENTS



ANTI CLIMB FENCE

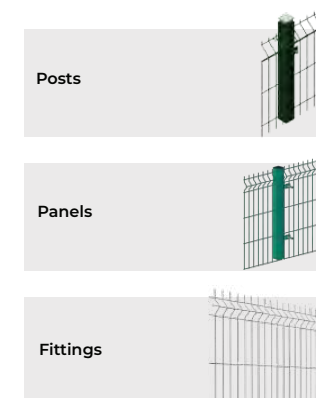
Discover the Hi-Defensive Barbed Top Fencing System, a premier choice for high-security perimeter fencing designed to deter unauthorized access with robust and intimidating features. Its defensive pales, enhanced with barbed tops, make it ideal for military installations, correctional facilities, and other high-security environments.



DIMENSIONS

Item Code	Fence Height	Pale Height	Pale Section	Post Size	Horiz. Rail
HIPLS100	1.00m	9.50m	2mm W / 3mm D	102x 44mm	50x50x5mm
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HIPLS275	2.75m	2.70m	2mm W / 3mm D	127x 76mm	50x50x5mm
HIPLS300	3.00m	2.90m	2mm W / 3mm D	127x 76mm	50x50x5mm

COMPONENTS



KEY FEATURES

- Anti-climb design.
- Various mounting alternatives along with on wall, inset, and unfastened-status Unique vandal proof panel to post connectors
- Conforms to BS EN 1722-9.
- Customized design options
- Pale spacing conforms to Building Regulations for anti-entice.
- Panels may be raked or stepped to the sloping house floor.
- Seamless, hid rail to put up solving.
- Barbed top design
- Heightened security
- Robust Construction

DECORATIVE FENCE

Discover HiTech's Decorative Fence, the perfect fusion of elegance and security, designed to enhance any environment without compromising on safety. Whether it's for a residential area, park, or commercial property, our fences combine visual appeal with robust protection, tailored to meet both aesthetic and functional needs.



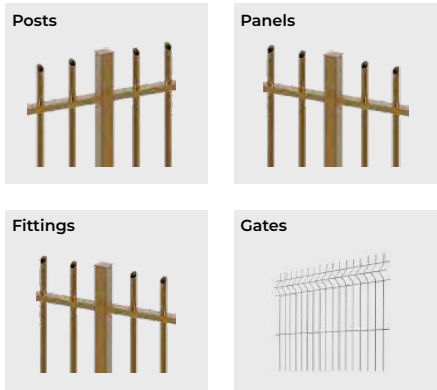
DIMENSIONS

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HIPLS275	2.75m	2.70m	2mm W / 3mm D	127x 76mm	50x50x5mm
HIPLS300	3.00m	2.90m	2mm W / 3mm D	127x 76mm	50x50x5mm

KEY FEATURES

- Anti-climb design for enhanced security.
- Multiple mounting options: wall-mounted, inset, or free-standing.
- Customizable post tops for barbed wire, razor wire, spikes, electric fences, or CCTV.
- Meets BS EN 1722-9 standards.
- Custom designs tailored to security and aesthetics.
- Pale spacing complies with anti-entrapment regulations.
- Decorative finials available for pales.
- Panels can be raked or stepped for slopes.
- Concealed rail-to-post fixing ensures a sleek look.
- Unlimited color choices to suit any setting.

COMPONENTS



ORNAMENTAL FENCE

Explore the world of Hitech Ornamental Fences, where elegance meets security. Our premium fencing solutions, including the Defensive Fence Extra and Defensive Fence Extreme, are crafted to provide not only robust security but also to enhance the visual appeal of your property. These fences are perfect for those seeking a sophisticated look without compromising on safety.

DIMENSIONS

Item Code	Fence Height	Pale Height	Pale Section	Post Size	Horiz. Rail
HIPLS100	1.00m	9.50m	2mm W / 3mm D	102x 44mm	50x50x5mm
HIPLS150	1.50m	1.45m	2mm W / 3mm D	102x 44mm	50x50x5mm
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HIPLS275	2.75m	2.70m	2mm W / 3mm D	127x 76mm	50x50x5mm
HIPLS300	3.00m	2.90m	2mm W / 3mm D	127x 76mm	50x50x5mm

COMPONENTS

Posts

Robust 60x60 mm RHS posts offer durability, weather resistance, and versatile height options for various uses.

Panels

Incorporate 25 mm square pipes for pales, reinforced with two horizontal rails for maximum security.

Fittings

Welded connections ensure a seamless and secure installation.

FINISHING OPTIONS

- Hot-Dip Galvanizing
- Powder Coating
- Marine-Grade Protection



GUARD RAILS

Explore the Hitech Guard Rails System, designed to enhance safety and security across various environments. Our guard rails are engineered to prevent vehicles from veering off roads, offering critical protection for roadside structures and pedestrian areas.

Robust Protection:

Our guard rails are made from high-strength galvanized or painted steel, capable of withstanding significant impacts and providing durable roadside safety.

Versatile Applications:

Ideal for roads, overhead bridges, ports, docks, and more, our guard rails serve as a vital safety feature in numerous settings.

Customizable Solutions:

Adapt our guard rails to meet specific site requirements with options for different sizes and finishes.

DIMENSIONS

Item Code	Fence Height	Pale Height	Pale Section	Post Size	Horiz. Rail
HIPLS100	1.00m	9.50m	2mm W / 3mm D	102x 44mm	50x50x5mm
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HIPLS300	3.00m	2.90m	2mm W / 3mm D	127x 76mm	50x50x5mm

FEATURES

High Impact Resistance: Designed to absorb and redistribute collision energy.

Corrosion Resistant: Galvanized or painted finishes to withstand environmental elements.

Installation Flexibility: Options for over-length insertion, base plating, or cranking for various mounting scenarios.

SYSTEM COMPONENTS OF HITECH GUARD RAILS

Posts

The posts in the Hi-Guardrail system are made from durable C channel steel, measuring 150x75mm with a thickness of 5mm. Standardized at a center-to-center distance of 2000mm, these posts provide a stable framework for the fencing system. The posts can reach heights up to 2200mm for substantial security, with adjustable options for those preferring grounded installations. Fitting options include:

- Over-length for ground installation
- Base plated for bolting onto concrete
- Cranked for wall mounting

Straight / Curved / End Rails

The guardrails are constructed from sturdy W-shaped metal sheets, ensuring the system's durability. Rail dimensions are 83x310mm, with thickness varying by fence height: 2mm thick for fences up to 1100mm, 2.5mm for fences up to 1800mm, and 3mm for fences up to 2200mm. Standard rail lengths are 3000mm, while curved end rails extend up to 600mm for customized installations. Details on joints and connections will be discussed in the fittings section.

Fittings

Rail-to-rail connections use a W-shaped sheet slice measuring 318mm, fastened by hexagonal M1250 bolts for a secure connection. Rail-to-post connections can include an optional spacer (150x75x5mm, 356mm long) made of C channel steel, secured with hexagonal M1650 bolts. Optional components like alignment plates and tie plates are available to further reinforce the system and enhance safety.



HERAS FENCING

HERAS FENCE

Hitech offers a range of temporary enclosures made of Heras Panel, [سياج هراس] which are highly durable and adaptable. Regardless of whether it is temporary site security for a construction site, crowd control during events, or temporary working at height structures, our Heras products are quick and easy to emplace and very sturdy.



WHY CHOOSE HITECH'S HERAS FENCING [سياج هراس] PRODUCTS?

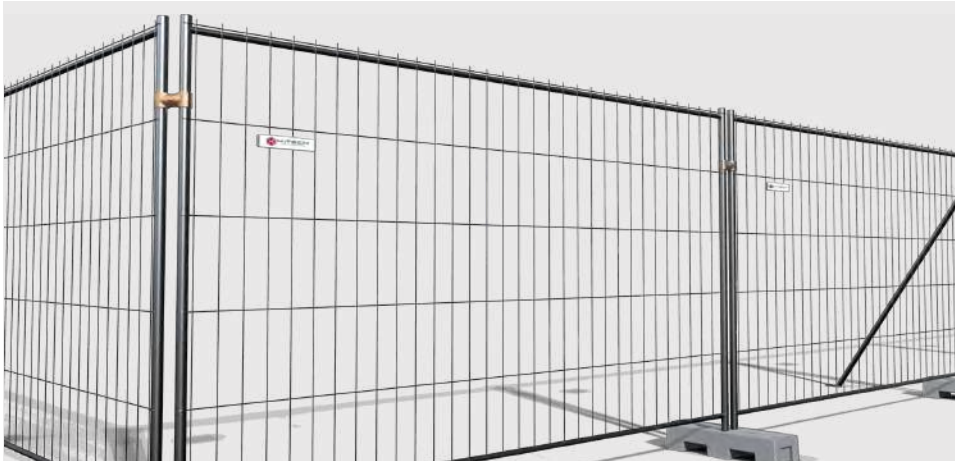
- **Versatility:** A chance to address various needs of consumers in different spheres.
- **Durability:** This makes them reliable as they are made to deliver good results for a long time.
- **Safety:** Built following professional requirements and with the purpose of increasing safety.
- **Ease of Installation:** 'Quick to deploy' solutions supported by agile and intuitive structures.

Select Heras Fencing products from Hitech for the best temporary enclosures that meet all the needs of your projects.



TEMP FENCE

Hitech offers a comprehensive Temp Fence system, designed to provide quick and efficient temporary fencing solutions. Whether for construction sites, event management, or emergency situations, our Temp Fence panels ensure safety and security with easy setup and flexibility.



DIMENSIONS

Name	Panel Type	Infilled/Mesh	Wire Dia (mm)	Frame (mm)	Length (mm)	Length (mm)
H1	HiTemp Heras Fence	50 x 200	3mm	33.5 mm diameter	3500 mm	1200/2000
H2						
H3	HiTemp Heras Fence (Round)	50 x 200	N/A			
H4						
H5	HiTemp Heras Fence Privacy	Corrugated Sheet (0.5mm thick)				

KEY FEATURES

- 100% Stronger
- 100% Tested
- 100% Traceable
- 100% Strengthened
- Heavy Duty Anti-Climb Panel
- Impact resistant

CROWD BARRIER



Explore HiTech's versatile Crowd Barriers, designed to boost safety and organization at your events or construction sites. These barriers provide superior crowd control, ensuring secure and efficient space management. Perfect for various settings, they are engineered to withstand environmental factors and high traffic, making them ideal for managing large crowds effectively and safely.

KEY FEATURES

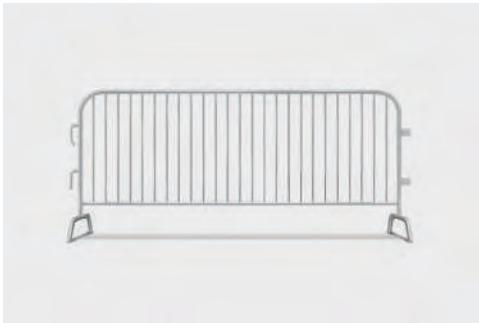
- 100% Stronger:** Engineered for enhanced durability and strength to withstand rigorous use.
- 100% Tested:** Each barrier undergoes extensive testing to ensure reliability and performance under various conditions.
- 100% Traceable:** Every component is traceable, ensuring quality control and accountability from production to deployment.
- 100% Strengthened:** Reinforced design elements make these barriers more resilient against physical stresses.
- Heavy Duty Anti-Climb Panel:** Features a design that inhibits climbing, enhancing safety and security.
- Impact Resistant:** The mesh size and material strength provide resistance against impacts, effectively preventing breaches.
- Maximum Wind Speed Tolerance:** Capable of withstanding wind speeds up to 21.46 mph (9.59 m/s), ensuring stability in adverse weather conditions.
- Good Color Stability:** Coatings and materials used offer excellent color retention, maintaining appearance despite exposure to elements

DIMENSIONS

Coating type	No. of Bars	Diameter	Spacing	Frame size	Pipe Diameter
95% zinc SPaluminum coated wire	18	16mm	112mm	1100 x 2300mm	Pipe of 33mm diameter is used for Frame. System available as per customer requirement.
Hot dip galv. coated					
Hot dip galv. And Electrostatic polyester coated	15		133mm		
Hot dip Galv. And PVC coated					

TEMPORARY GATE

Hitech offers advanced Temporary Gate solutions, designed to provide secure and controlled access for both pedestrians and vehicles in various settings such as construction sites, events, and emergency zones. Our gates integrate seamlessly with temporary fencing systems, ensuring robust security and operational efficiency.



DIMENSIONS

Name	Type	Length	Meshing	Frame	Height
G1	Electric Double Leaf Sliding Gate	5000	Matching with Fence	33 mm in Diameter	Matching with Fence
G2	Manual Double Leaf Sliding Gate	5000			
G3	Single Leaf Sliding Gate	3000			
G4	Single Leaf Swing Gate	1150			
G5	Double Leaf Swing Gate	6000			

GATE VARIANTS OFFERED:

- Electric Double Leaf Sliding Gate:** This automated gate features a dual-door sliding mechanism powered electrically, facilitating effortless operation without manual effort.
- Manual Double Leaf Sliding Gate:** Similar in design to the electric version but requires manual effort to open and close, allowing for operational flexibility.
- Single Leaf Sliding Gate:** A single-door variant of the sliding gate, offering efficient and straightforward access management.
- Single Leaf Swing Gate:** A space-saving single-door gate that swings open, providing secure and convenient access.
- Double Leaf Swing Gate:** This double-door swing gate maximizes the opening area, enhancing access and security simultaneously.



KEY FEATURES

- 100% Stronger
- 100% Tested
- 100% Traceable
- 100% Strengthened
- Heavy Duty Anti-Climb Panel
- Impact resistant

STANDARDS



HCIS FENCING SOLUTIONS

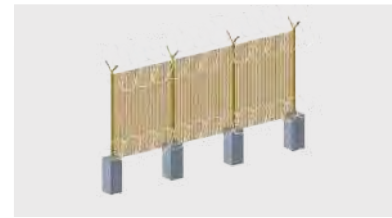
Discover HiTech's comprehensive range of HCIS (High Commission for Industrial Security) certified fencing solutions, meticulously crafted to meet the stringent security requirements mandated in Saudi Arabia. Our HCIS Class 1 to Class 4 fencing systems are designed to offer optimal protection and compliance with Saudi security standards, suitable for various sectors including industrial, residential, and governmental installations.



SAUDI ARAMCO FENCE

Explore the variety of Saudi Aramco Fence types at Hitech, specifically designed to meet the stringent security requirements of Saudi Aramco projects. Our fencing solutions are crafted to offer both protection and compliance, aligning with Saudi Aramco's specific fencing standards across different operational and environmental conditions.

HCIS FENCING SOLUTIONS

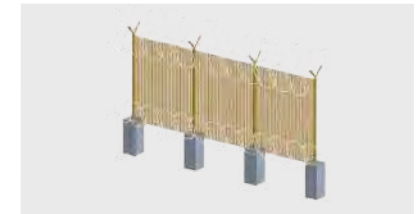


HCIS CLASS 1 FENCE

Designed for areas requiring basic perimeter security, our Class 1 fences are ideal for low-risk applications. These fences are sturdy, reliable, and provide a cost-effective solution for general security needs

HCIS CLASS 1 FENCE

Our Class 2 fencing solutions are geared towards slightly higher security requirements, suitable for commercial properties and residential areas where moderate security is essential.



HCIS CLASS 3 FENCE

The Class 3 fences are designed for areas at substantial risk, including larger industrial sites or places where security breaches could lead to significant consequences. These fences feature enhanced durability and additional security features

HCIS CLASS 4 FENCE

Offering the highest level of security, our Class 4 fences are intended for critical infrastructure and high-risk areas. These fences incorporate advanced security features such as intrusion detection systems and are constructed with superior materials to withstand attempts at breach.



HCIS CLASS 1 FENCE

Explore the pinnacle of perimeter security with HiTech's HCIS Class 1 Fence, specifically engineered to meet the stringent requirements of the High Commission for Industrial Security in Saudi Arabia. This top-tier security fence is ideal for protecting industrial facilities and sensitive areas where maximum security is paramount.

CHAIN LINK FABRICS

Our HCIS Class 1 Fences utilize chain link fabric that is not just robust but also aesthetically pleasing. Crafted with a 50x50 mm mesh and a wire diameter of 3.76/4.2 mm, these fabrics are 2700mm high and conform to ASTM F668 Class 2B standards. The combination of galvanized steel wire and a durable PVC coating ensures outstanding strength and weather resistance, making it an ideal choice for high-security areas.



WIRE CONFIGURATIONS

TENSION WIRE

The tension wire provides horizontal tension and stability to the fence. It is typically run along the bottom edges. This prevents sagging and helps maintain the fence's structural integrity, resisting forces like wind or physical impact. The Tension wire used in this system is 3.76/4.2 PVC fusion Bonded and there is one row used with this system.

STIRRUP WIRE

Stirrup wire provides additional support and attachment points, often connecting the vertical posts to the mesh or chain-link fabric. It reinforces the fence at points of high stress, distributing loads and pressures evenly across the structure. The stirrup Wire used in this system is 2.5/3.0 PVC Fusion Bonded.

TIE WIRE

Tie wire is used to secure the mesh or chain-link fabric to the tension wire and posts. It wraps around the fabric and the tension wire or posts, holding the fabric firmly in place. The Tie Wire used in this system is 3.76/4.2 PVC Fusion Bonded.

BARBED WIRE

In the HCIS Fencing system, barbed wire is installed at the top of the fence to enhance security by creating a hazardous barrier. Its sharp barbs deter and prevent climbing attempts, making unauthorized access difficult and risky. The Barbed Wires used in this system are Galvanized as per ASTM A121 with 6 rows on Top of fence.

CONCERTINA WIRE

In the HCIS Fencing system, barbed wire is installed at the top of the fence to enhance security by creating a hazardous barrier. Its sharp barbs deter and prevent climbing attempts, making unauthorized access difficult and risky. The Barbed Wires used in this system are Galvanized as per ASTM A121 with 6 rows on Top of fence.

POSTS AND SUPPORT STRUCTURES

LINE POSTS

Line posts in the HCIS Fencing system measure 3600 mm in length, with a pipe diameter of 88.9 mm and a thickness of 7.62 mm. They weigh approximately 15.27 kg per meter and are placed every 3 meters. These posts are SCH-80 as per ASTM F1083 and have a minimum tensile strength and yield strength of 48000 psi (330 MPa) and 30000 psi (205 MPa) respectively. These Posts are hot dipped galvanized in accordance with ASTM F1083 standards

CORNER, END AND STRAINER POST

In the HCIS Fencing system, corner/strainer and end posts serve critical roles in providing robust structural support and security. These posts measure 3700 mm in length with a pipe diameter of 114 mm and a thickness of 8.56 mm, weighing approximately 22.32 kg per meter. These posts are crucial for providing robust structural support and security. All strainer, corner, and end posts are SCH-80 as per ASTM F1083 and have a minimum tensile strength and yield strength of 48000 psi (330 MPa) and 30000 psi (205 MPa) respectively. These Posts are hot dipped galvanized in accordance with ASTM F1083 standards.

FITTINGS

Fittings Specification: All fittings are hot-dipped galvanized after manufacture in accordance with ASTM A-123 and A-153 standards to ensure superior corrosion resistance. This process makes them suitable for long-term outdoor use in various environmental conditions

SPECIFICATIONS AND FEATURES

- High Security:** Provides robust protection against unauthorized access and intrusion.
- Durable Materials:** Constructed with galvanized steel for strength and longevity.
- PVC Coating:** Enhances corrosion resistance and improves aesthetics.
- Variety of Posts:** Includes strainer, corner, end, and line posts for diverse structural needs.
- Continuous Top Rail:** Enhances fence stability and distributes forces evenly.
- Galvanized Fittings:** All fittings, such as extension arms, bands, bolts, and nuts, are hot-dipped for durability.
- Compliance:** Meets ASTM A-123 and A-153 standards for galvanization.
- Concertina Wire:** 3 Rolls of Concertina wire CBT-65 with a Ø2.5mm galvanized core wire and SS430 stainless steel blades, featuring a 600mm coil diameter.

DIMENSION (POST & PIPES)

Item	Length (mm)	Pipe Dia (mm)	Thickness (mm)	Weight (Kg/m)
Line Post	3600	88.9	7.62	15.27
Corner/Strainer & End Post	3700	114	8.56	22.32
Brace Rail/ Back Strut	2900	60.3	3.91	5.44
Top Rail	6000	60.3	3.91	5.44

WIRE PRODUCTS

Chain Link Fabrics	Tension Wire	Stirrup Wire	Tire Wire	Barbed wire
Opening 50 Wire Dia. 3.76/4.2	3.76/ 4.21 row	2.5/ 3.0	3.76/ 4.2	2.50 6 rows

HCIS CLASS 2 FENCE

Discover the superior security of HiTech's HCIS Class 2 Fence, meticulously engineered to align with the High Commission for Industrial Security's stringent standards in Saudi Arabia. This fence category is designed to offer a formidable barrier against unauthorized access and breaches, making it ideal for safeguarding industrial sites and other sensitive zones.



CHAIN LINK FABRICS

Step into a realm where security meets sophistication—where every detail is meticulously crafted to safeguard what matters most. Chain link fabric with a 50x50 mm mesh size and a 3.76/4.2 mm wire diameter 2700mm High as per ASTM F668 Class 2B (PVC Fusion Bonded) is used in this system. This robust and flexible mesh combines galvanized steel wire and a durable PVC coating, providing exceptional strength, weather resistance, and aesthetic appeal.

WIRE CONFIGURATIONS

TENSION WIRE

The tension wire provides horizontal tension and stability to the fence. It is typically run along the bottom edges. This prevents sagging and helps maintain the fence's structural integrity, resisting forces like wind or physical impact. The Tension wire used in this system is 3.76/4.2 PVC fusion Bonded and there is one row used with this system.

STIRRUP WIRE

Stirrup wire provides additional support and attachment points, often connecting the vertical posts to the mesh or chain-link fabric. It reinforces the fence at points of high stress, distributing loads and pressures evenly across the structure. The stirrup Wire used in this system is 2.5/3.0 PVC Fusion Bonded.

TIE WIRE

Tie wire is used to secure the mesh or chain-link fabric to the tension wire and posts. It wraps around the fabric and the tension wire or posts, holding the fabric firmly in place. The Tie Wire used in this system is 3.76/4.2 PVC Fusion Bonded.

BARBED WIRE

In the HCIS Fencing system, barbed wire is installed at the top of the fence to enhance security by creating a hazardous barrier. Its sharp barbs deter and prevent climbing attempts, making unauthorized access difficult and risky. The Barbed Wires used in this system are Galvanized as per ASTM A121 with 6 rows on Top of fence.

CONCERTINA WIRE

The anti-personnel fence shall consist of a 3m high fence configured with three rolls of concertina wire. The concertina wire shall be mounted on top of the fence, with a second roll will be mounted on the front, and the third roll will be mounted on the bottom. The razor tape shall be fabricated from Series 430 stainless steel. This system uses Concertina wire CBT-65 with a Ø2.5mm galvanized core wire and stainless-steel blades, featuring a 600mm coil diameter, enhances security by adding a coiled, razor-sharp barrier. Each coil shall contain 51 loops and cover 7.5m.

POSTS AND FITTINGS

LINE POSTS

Line posts in the HCIS Fencing system measure 3600 mm in length, with a pipe diameter of 88.9 mm and a thickness of 7.62 mm. They weigh approximately 15.27 kg per meter and are placed every 3 meters. These posts are SCH-80 as per ASTM F1083 and have a minimum tensile strength and yield strength of 48000 psi (330 MPa) and 30000 psi (205 MPa) respectively. These Posts are hot dipped galvanized in accordance with ASTM F1083 standards.

CORNER, END AND STRAINER POST

In the HCIS Fencing system, corner/strainer and end posts serve critical roles in providing robust structural support and security. These posts measure 3700 mm in length with a pipe diameter of 114 mm and a thickness of 8.56 mm, weighing approximately 22.32 kg per meter. These posts are crucial for providing robust structural support and security. All strainer, corner, and end posts are SCH-80 as per ASTM F1083 and have a minimum tensile strength and yield strength of 48000 psi (330 MPa) and 30000 psi (205 MPa) respectively. These Posts are hot dipped galvanized in accordance with ASTM F1083 standards.

FITTINGS SPECIFICATION

All fittings are hot-dipped galvanized after manufacture in accordance with ASTM A-123 and A-153 standards to ensure superior corrosion resistance. This process makes them suitable for long-term outdoor use in various environmental conditions.

ADVANCED FEATURES AND SPECIFICATIONS

High Security: Provides robust protection against unauthorized access and intrusion.
Durable Materials: Constructed with galvanized steel for strength and longevity.
PVC Coating: Enhances corrosion resistance and improves aesthetics.
Variety of Posts: Includes strainer, corner, end, and line posts for diverse structural needs.
Continuous Top Rail: Enhances fence stability and distributes forces evenly.
Galvanized Fittings: All fittings, such as extension arms, bands, bolts, and nuts, are hot-dipped for durability.
Compliance: Meets ASTM A-123 and A-153 standards for galvanization.
Concertina Wire: 3 Rolls of Concertina wire CBT-65 with a Ø2.5mm galvanized core wire and SS430 stainless steel blades, featuring a 600mm coil diameter.

DIMENSION (POST & PIPES)

Item	Length (mm)	Pipe Dia (mm)	Thickness (mm)	Weight (Kg/m)
Line Post	3600	88.9	7.62	15.27
Corner/Strainer & End Post	3700	114	8.56	22.32
Brace Rail/ Back Strut	2900	60.3	3.91	5.44
Top Rail	6000	60.3	3.91	5.44

WIRE PRODUCTS

Chain Link Fabrics	Tension Wire	Stirrup Wire	Tire Wire	Barbed wire
Opening 50 Wire Dia. 3.76/4.2	3.76/ 4.2 1 row	2.5/ 3.0	3.76/ 4.2	2.50 6 rows

HCIS CLASS 3 FENCE

Explore HiTech's HCIS Class 3 Fence, engineered for medium security requirements as per the standards of the High Commission for Industrial Security in Saudi Arabia. This category is specially designed to protect industrial facilities and sensitive areas that require robust but not maximum security measures.

CHAIN LINK FABRICS

Step into a realm where security meets sophistication—where every detail is meticulously crafted to safeguard what matters most. Chain link fabric with a 50x50 mm mesh size and a 3.76/4.2 mm wire diameter 2700mm High as per ASTM F668 Class 2B (PVC Fusion Bonded) is used in this system. This robust and flexible mesh combines galvanized steel wire and a durable PVC coating, providing exceptional strength, weather resistance, and aesthetic appeal.



WIRE CONFIGURATIONS

TENSION WIRE

The tension wire provides horizontal tension and stability to the fence. It is typically run along the bottom edges. This prevents sagging and helps maintain the fence's structural integrity, resisting forces like wind or physical impact. The Tension wire used in this system is 3.76/4.2 PVC fusion Bonded and there is one row used with this system.

STIRRUP WIRE

Stirrup wire provides additional support and attachment points, often connecting the vertical posts to the mesh or chain-link fabric. It reinforces the fence at points of high stress, distributing loads and pressures evenly across the structure. The stirrup Wire used in this system is 2.5/3.0 PVC Fusion Bonded.

TIE WIRE

Tie wire is used to secure the mesh or chain-link fabric to the tension wire and posts. It wraps around the fabric and the tension wire or posts, holding the fabric firmly in place. The Tie Wire used in this system is 3.76/4.2 PVC Fusion Bonded.

BARBED WIRE

In the HCIS Fencing system, barbed wire is installed at the top of the fence to enhance security by creating a hazardous barrier. Its sharp barbs deter and prevent climbing attempts, making unauthorized access difficult and risky. The Barbed Wires used in this system are Galvanized as per ASTM A121 with 6 rows on Top of fence.

CONCERTINA WIRE

The anti-personnel fence shall consist of a 3m high fence configured with three rolls of concertina wire. The first concertina wire shall be mounted on top of the fence, with a second roll on the front. The razor tape shall be fabricated from Series 430 stainless steel. This system uses Concertina wire CBT-65 with a Ø2.5mm galvanized core wire and stainless-steel blades, featuring a 600mm coil diameter, enhances security by adding a coiled, razor-sharp barrier. Each coil shall contain 51 loops and cover 7.5m.

POSTS AND SUPPORT STRUCTURES

LINE POSTS

Line posts in the HCIS Fencing system measure 3600 mm in length, with a pipe diameter of 88.9 mm and a thickness of 7.62 mm. They weigh approximately 15.27 kg per meter and are placed every 3 meters. These posts are SCH-80 as per ASTM F1083 and have a minimum tensile strength and yield strength of 48000 psi (330 MPa) and 30000 psi (205 MPa) respectively. These Posts are hot dipped galvanized in accordance with ASTM F1083 standards

CORNER, END AND STRAINER POST

In the HCIS Fencing system, corner/strainer and end posts serve critical roles in providing robust structural support and security. These posts measure 3700 mm in length with a pipe diameter of 114 mm and a thickness of 8.56 mm, weighing approximately 22.32 kg per meter. These posts are crucial for providing robust structural support and security. All strainer, corner, and end posts are SCH-80 as per ASTM F1083 and have a minimum tensile strength and yield strength of 48000 psi (330 MPa) and 30000 psi (205 MPa) respectively. These Posts are hot dipped galvanized in accordance with ASTM F1083 standards.

FITTINGS SPECIFICATION

All fittings are hot-dipped galvanized after manufacture in accordance with ASTM A-123 and A-153 standards to ensure superior corrosion resistance. This process makes them suitable for long-term outdoor use in various environmental conditions. Additional PVC Coating: Following galvanization, all fittings are coated with PVC. This dual-layer protection not only prevents corrosion but also provides a smooth, finished appearance that complements the overall fence structure and enhances durability.

ADVANCED FEATURES AND SPECIFICATIONS

- High Security:** Provides robust protection against unauthorized access and intrusion.
- Durable Materials:** Constructed with galvanized steel for strength and longevity.
- PVC Coating:** Enhances corrosion resistance and improves aesthetics.
- Variety of Posts:** Includes strainer, corner, end, and line posts for diverse structural needs.
- Continuous Top Rail:** Enhances fence stability and distributes forces evenly.
- Galvanized Fittings:** All fittings, such as extension arms, bands, bolts, and nuts, are hot-dipped for durability.
- Compliance:** Meets ASTM A-123 and A-153 standards for galvanization.
- Concertina Wire:** 2 Rolls of Concertina wire CBT-65 with a Ø2.5mm galvanized core wire and SS430 stainless steel blades, featuring a 600mm coil diameter.

DIMENSION (POST & PIPES)

Item	Length (mm)	Pipe Dia (mm)	Thickness (mm)	Weight (Kg/m)
Line Post	3600	88.9	7.62	15.27
Corner/Strainer & End Post	3700	114	8.56	22.32
Brace Rail/ Back Strut	2900	60.3	3.91	5.44
Top Rail	6000	60.3	3.91	5.44

WIRE PRODUCTS

Chain Link Fabrics	Tension Wire	Stirrup Wire	Tire Wire	Barbed wire
Opening 50 Wire Dia. 3.76/4.2	3.76/ 4.2 1 row	2.5/ 3.0	3.76/ 4.2	2.50 6 rows

HCIS CLASS 4 FENCE

Discover the customized HCIS Class 4 Fence from HiTech, designed to align with the High Commission for Industrial Security's standards for lower security needs in Saudi Arabia. This fence category is specifically crafted to offer substantial security without the intensity required for higher-risk zones, making it perfect for certain industrial and less sensitive areas.



CHAIN LINK FABRICS

Crafted with precision, our chain link fabric features a 50x50 mm mesh and a wire diameter of 3.76/4.2 mm, standing 2700mm high and complying with ASTM F668 Class 2B standards. This mesh is both durable and aesthetically pleasing, providing effective security with a sophisticated look.

WIRE CONFIGURATIONS

TENSION WIRE

Adds horizontal stability to prevent sagging, enhancing the structural integrity against physical forces.

STIRRUP WIRE

Offers additional support, connecting the posts to the mesh for even load distribution.

TIE WIRE

Secures the mesh to the posts and tension wire, maintaining the mesh position firmly.

BARBED WIRE

Positioned at the top to prevent climbing and enhance perimeter security.

CONCERTINA WIRE

Features a triple-coil setup with sharp blades to significantly increase fence security.

POSTS AND FITTINGS

Engineered for strength with a substantial diameter and weight, ensuring they stand firm against pressures.

ADVANCED FEATURES AND SPECIFICATIONS

High Security: Provides robust protection against unauthorized access and intrusion.

Durable Materials: Constructed with galvanized steel for strength and longevity.

PVC Coating: Enhances corrosion resistance and improves aesthetics.

Variety of Posts: Includes strainer, corner, end, and line posts for diverse structural needs.

Continuous Top Rail: Enhances fence stability and distributes forces evenly.

Galvanized Fittings: All fittings, such as extension arms, bands, bolts, and nuts, are hot-dipped for durability.

Compliance: Meets ASTM A-123 and A-153 standards for galvanization.

Concertina Wire: 1 Roll of Concertina wire CBT-65 with a Ø2.5mm galvanized core wire and SS430 stainless steel blades, featuring a 600mm coil diameter.

DIMENSION (POST & PIPES)

Item	Length (mm)	Pipe Dia (mm)	Thickness (mm)	Weight (Kg/m)
Line Post	3600	88.9	7.62	15.27
Corner/Strainer & End Post	3700	114	8.56	22.32
Brace Rail/ Back Strut	2900	60.3	3.91	5.44
Top Rail	6000	60.3	3.91	5.44

WIRE PRODUCTS

Chain Link Fabrics	Tension Wire	Stirrup Wire	Tire Wire	Barbed wire
Opening 50 Wire Dia. 3.76/4.2	3.76/ 4.2 1 row	2.5/ 3.0	3.76/ 4.2	2.50 6 rows

WHY CHOOSE HITECH'S HCIS FENCING?

COMPLIANCE WITH HCIS STANDARDS

Each of our fencing solutions complies with HCIS regulations, ensuring they meet the security requirements of Saudi Arabia.

VERSATILITY AND ROBUSTNESS

From low to high-security needs, our range covers all classes of HCIS fencing, providing durable and robust perimeter security.

TAILORED SOLUTIONS

We offer customized fencing solutions tailored to the specific needs and requirements of your site, ensuring maximum security and compliance.

FEATURES OF HITECH'S HCIS FENCING

100% COMPLIANCE

Fully compliant with HCIS Saudi standards.

ENHANCED SECURITY FEATURES

Equipped with anti-climb and anti-cut materials.

DURABILITY

Made with high-grade materials to withstand harsh environments and prolonged use.



SAUDI ARAMCO FENCE

SAUDI ARAMCO TYPE 1 FENCE

Designed for less critical installations, Type 1 fences offer basic security and are typically used in low-threat areas. These fences provide reliable perimeter control with minimal maintenance requirements



SAUDI ARAMCO TYPE 2 FENCE

A step up in security, Type 2 fences are used in areas requiring moderate protection. They are suitable for residential compounds and non-critical industrial areas, offering a balance between security and visibility.

SAUDI ARAMCO TYPE 3 FENCE

Type 3 fences are designed for areas with higher security needs. They are often employed at more critical infrastructure sites, including processing plants and areas with heightened security concerns.

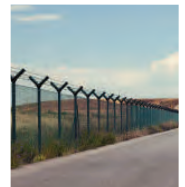


SAUDI ARAMCO TYPE 4 FENCE

Offering high-level security, Type 4 fences are used in critical installations where potential threats need to be robustly deterred. These include oil refineries, military installations, and other high-security areas.

SAUDI ARAMCO TYPE 5 FENCE

The most secure option, Type 5 fences are used for the utmost security requirements, such as for top-tier Aramco facilities, government buildings, and any area requiring maximum protection against potential threats



ARAMCO TYPE 1 FENCE

Discover Hitech's Saudi Aramco Type 1 Fence, part of our comprehensive range tailored to meet the specific requirements of Saudi Aramco. This entry-level fence is designed for areas that need effective security without the extensive features required for high-threat zones. The ARAMCO Standard Chain Link Fencing System is designed to provide robust security and clear boundary delineation for various facilities. This comprehensive system ensures quality, durability, and effective protection across industrial and commercial applications. Below is a short overview of its key components and standards.



CHAIN LINK FABRICS

The chain link fabric must feature a diamond mesh pattern with a 50 mm (±3.2 mm) opening, complying with ASTM A392 standards. The height should be 2400 mm (±12 mm), providing adequate coverage for security needs. The fabric's top and bottom edges should be machine-twisted, creating a barbed finish by cutting the wire at an angle. Standard rolls are 15 meters in length and must be woven continuously without any splices, ensuring uniform strength and durability throughout the roll

WIRE ENHANCEMENTS

STIRRUP WIRE

Stirrup wire provides additional support and attachment points, often connecting the vertical posts to the mesh or chain-link fabric. It reinforces the fence at points of high stress, distributing loads and pressures evenly across the structure. This helps the fence resist deformation and damage from external forces, enhancing its durability and security

ROBUST POST SYSTEM

LINE POST

Line posts for chain link fencing are essential for maintaining structural integrity and stability.

Each line post should be made from galvanized steel, with a minimum diameter of 60 mm with a length of 3400mm and thickness of 3.91. The posts should meet ASTM A-53 Sch.40 standards with tensile strength of 330MPa and Yield Strength of 205MPa, ensuring durability and resistance to corrosion. They should be spaced no more than 3 meters apart to provide adequate support for the chain link fabric. The top of each line post should be equipped with a post cap to prevent water ingress and corrosion.

CORNER, END AND STRAINER POST

Corner, strainer, and end posts are essential components in chain link fencing systems, each serving distinct purposes to ensure structural integrity and stability. Each post should be made from galvanized steel, with a minimum diameter of 73 mm with a length of 3400mm and thickness of 5.16. The posts should meet ASTM A-53 Sch.40 standards with tensile strength of 330MPa and Yield Strength of 205MPa, ensuring durability and resistance to corrosion. Corner posts anchor fence sections at directional changes, maintaining alignment and stability. Strainer posts, or line tension posts, manage fabric tension along straight stretches to prevent sagging. End posts secure the ends of the chain link fabric and support gate installations.

FITTINGS

In the ARAMCO Fencing system, all fence fittings, including extension arms made of pressed sheet 1.5mm to form a shape of an Angle (placed on top of line post, Corner/Strainer & End Post), round bands, offset bands, stretcher bars, carriage bolts, truss rods, turnbuckles, M8x35mm bolts, and nuts, are manufactured in accordance with ASTM F626 standard.

FENCING SYSTEM SPECIFICATIONS

Above Ground Height	2.7m
Mesh Size	50x50 mm
Wire Diameter	3.76 mm
Chain Link Fabric Height	2400mm
Extension Arm Height from Fabric	300mm
Strainer Post Placement	Every 90m
Back Support	3000mm Long, 42.4mm Dia, 3.56mm Thickness, placed every 90m
Continuous Top Rail	6000mm Long, 42.4mm Dia, 3.56mm Thickness, placed every 6m
Post Embedded in Foundation	975 mm

FEATURES

- High Security:** Provides robust protection against unauthorized access and intrusion.
- Durable Materials:** Constructed with galvanized steel for strength and longevity.
- Variety of Posts:** Includes strainer, corner, end, and line posts for diverse structural needs.
- Continuous Top Rail:** Enhances fence stability and distributes forces evenly.
- Galvanized Fittings:** All fittings, such as extension arms, bands, bolts, and nuts, are hot-dipped for durability.
- Compliance:** Meets ASTM A-123 and A-153 standards for galvanization.

POST & PIPES DIMENSIONS

Line Post	3400
Corner/Strainer & End Post	3400
Brace Rail	3000
Top Rail	6000

WIRE PRODUCTS SPECIFICATIONS

Class	Chain Link Fabrics	Tension Wire	Stirrup Wire	Tire Wire	Barbed wire
Specifications	50x50 mm Opening, 3.76 mm Wire Dia	N/A	3	N/A	2.50 mm Dia, 6 rows

FINISHES

- ACCORDANCE WITH ASTM A-123
- ACCORDANCE WITH ASTM A-153

STANDARD COLOURS

- Green Color RAL 6005
- Customization of different color is available

ARAMCO TYPE 2 FENCE

Explore HiTech's Saudi Aramco Type 2 Fence, an integral part of our specialized fencing solutions developed to meet Saudi Aramco's specific requirements. This fencing option is tailored for medium-security applications, providing enhanced protection and clear boundary delineation across various operational contexts including industrial and commercial facilities.

CHAIN LINK FABRICS

The chain link fabric must feature a diamond mesh pattern with a 50 mm (±3.2 mm) opening, complying with ASTM A392 standards. The height should be 2400 mm (±12 mm), providing adequate coverage for security needs. The fabric's top and bottom edges should be machine-twisted, creating a barbed finish by cutting the wire at an angle. Standard rolls are 15 meters in length and must be woven continuously without any splices, ensuring uniform strength and durability throughout the roll.



WIRE ENHANCEMENTS

TENSION WIRE

The zinc-coated tension wire used in chain link fencing must adhere to ASTM A641/A641M, Class III standards. This wire should have a galvanized coating of at least 244 g/m² (0.80 oz/ft²) of surface area, ensuring excellent corrosion resistance and durability. The wire should have a nominal diameter of at least 4.5 mm and possess a minimum breaking strength of 6230 N (1400 lb), providing the necessary tensile strength to maintain the structural integrity and security of the fence.

STIRRUP WIRE

Stirrup wire provides additional support and attachment points, often connecting the vertical posts to the mesh or chain-link fabric. It reinforces the fence at points of high stress, distributing loads and pressures evenly across the structure. This helps the fence resist deformation and damage from external forces, enhancing its durability and security.

TIE WIRE

Tie wire is used to secure the mesh or chain-link fabric to the tension wire and posts. It wraps around the fabric and the tension wire or posts, holding the fabric firmly in place. The tie wire for chain link fencing must be galvanized according to ASTM A641/A641M standards, with a coating of at least 244 g/m² (0.80 oz/ft²) of surface area to match the fence fabric. This ensures strong resistance to corrosion and environmental wear. The wire should have a nominal diameter of at least 3.0 mm and a length of 250 mm (±10 mm), providing reliable fastening and maintaining the integrity of the fencing system.

BARBED WIRE

Barbed wire for chain link fencing must consist of two twisted strands of galvanized steel, each with a nominal diameter of no less than 2.5 mm. Four barbs, each with a nominal diameter of at least 2 mm, should be spaced 125 mm (±20 mm) apart and wrapped to interlock with both main strands for enhanced security. The galvanized steel barbed wire must comply with ASTM A121 standards, ensuring high durability and resistance to corrosion.

POSTS AND FITTINGS

LINE AND CORNER POSTS

Made from galvanized steel, these posts support the structural integrity and alignment of the fence. Adhering to ASTM A-53 Sch.40 standards, they provide necessary support and are equipped with caps to prevent water ingress.

FITTINGS

All fittings, including extension arms, bands, and bolts, comply with ASTM F626, ensuring durability and a perfect fit.

FEATURES

- High Security:** Provides robust protection against unauthorized access and intrusion.
- Durable Materials:** Constructed with galvanized steel for strength and longevity.
- Variety of Posts:** Includes strainer, corner, end, and line posts for diverse structural needs.
- Continuous Top Rail:** Enhances fence stability and distributes forces evenly.
- Galvanized Fittings:** All fittings, such as extension arms, bands, bolts, and nuts, are hot-dipped for durability.
- Compliance:** Meets ASTM A-123 and A-153 standards for galvanization.

FENCING SYSTEM SPECIFICATIONS

POST & PIPES DIMENSIONS

Item	Length (mm)	Pipe Dia (mm)	Thickness (mm)	Weight (Kg/m)
Line Post	3400	60.3	3.91	5.44
Corner/Strainer & End Post	3400	73	5.16	8.65
Brace Rail	3000	42.2	3.56	3.39
Top Rail	6000	42.2	3.56	3.39

WIRE PRODUCTS SPECIFICATIONS

Class	Chain Link Fabrics	Tension Wire	Stirrup Wire	Tire Wire	Barbed wire
Specifications	50x50 mm Opening, 3.76 mm Wire Dia	4.5, 1 Rows	3	2.5	2.50 mm Dia, 6 rows

ARAMCO TYPE 3 FENCE

Dive into the specifics of Hitech's Saudi Aramco Type 3 Fence, meticulously engineered to meet the rigorous demands of high-security environments. This fence is constructed for zones where robust security measures are paramount, providing comprehensive protection for a wide array of facilities, from industrial complexes to high-risk commercial sites. The ARAMCO Standard Chain Link Fencing System is designed to provide robust security and clear boundary delineation for various facilities. This comprehensive system ensures quality, durability, and effective protection across industrial and commercial applications. Below is a short overview of its key components and standards.



CHAIN LINK FABRICS

Our chain link fabric meets ASTM A392 standards, featuring a 50 mm mesh size that provides solid coverage while maintaining visibility. The fabrics are finished with barbed edges for additional security, deterring and complicating any intrusion attempts.

POSTS AND FITTINGS

LINE POSTS AND CORNER/END POSTS

Our posts are constructed from galvanized steel, complying with ASTM A-53 Sch.40, known for their strength and resistance to corrosion, ensuring they stand firm against environmental and physical pressures.

FITTINGS

Every fitting used, from extension arms to nuts and bolts, is manufactured to meet ASTM F626 standards, ensuring every component contributes to the overall strength and durability of the fence.

FEATURES

- High Security:** Provides robust protection against unauthorized access and intrusion.
- Durable Materials:** Constructed with galvanized steel for strength and longevity.
- Variety of Posts:** Includes strainer, corner, end, and line posts for diverse structural needs.
- Continuous Top Rail:** Enhances fence stability and distributes forces evenly.
- Galvanized Fittings:** All fittings, such as extension arms, bands, bolts, and nuts, are hot-dipped for durability.
- Compliance:** Meets ASTM A-123 and A-153 standards for galvanization.

FENCING SYSTEM SPECIFICATIONS

Above Ground Height	2.7m
Mesh Size	50x50 mm
Wire Diameter	3.76 mm
Chain Link Fabric Height	2400mm
Extension Arm Height from Fabric	300mm
Strainer Post Placement	Every 90m
Back Support	3000mm Long, 42.4mm Dia, 3.56mm Thickness, placed every 90m
Continuous Top Rail	6000mm Long, 42.4mm Dia, 3.56mm Thickness, placed every 6m
Post Embedded in Foundation	975 mm

WIRE ENHANCEMENTS

TENSION WIRE

Constructed to meet ASTM A641/A641M, Class III, our tension wire is zinc-coated, boasting a heavy galvanization that resists rust and degradation, enhancing fence integrity under tension.

STIRRUP WIRE

Crucial for distributing stress and fortifying the mesh connection to posts, our stirrup wires are integral to maintaining fence shape and resilience under physical stress.

TIE WIRE

Galvanized to match the chain link fabric, our tie wires secure the fabric to the posts, ensuring the fence remains intact even under duress. These are critical for maintaining the system's overall structural integrity.

BARBED WIRE

Double-stranded and heavy-gauged, our barbed wire meets ASTM A121 standards, designed to provide an additional layer of security, making climbing or breach attempts more challenging

POST & PIPES DIMENSIONS

Item	Length (mm)	Pipe Dia (mm)	Thickness (mm)	Weight (Kg/m)
Line Post	3400	60.3	3.91	5.44
Corner/Strainer & End Post	3400	73	5.16	8.65
Brace Rail	3400	42.2	3.56	3.39

WIRE PRODUCTS SPECIFICATIONS

Class	Chain Link Fabrics	Tension Wire	Stirrup Wire	Tire Wire	Barbed wire
Opening/ Wire Dia	50/3.76	4.5 (2 Rows)	3	N/A	2.50 mm Dia, 6 rows

ARAMCO TYPE 4 FENCE

Introducing the Saudi Aramco Type 4 Fence from HiTech, a leader in security solutions that are both resilient and reliable. This fencing system is specifically engineered for environments requiring heightened security measures, making it ideal for protecting valuable assets and sensitive areas within industrial and commercial sectors.

CHAIN LINK FABRICS

Our chain link fabrics adhere to ASTM A392 standards, featuring a 50 mm diamond mesh size for optimal security. The fabric is crafted to maintain integrity and durability, with a barbed finish on the top and bottom to deter intrusions.



ROBUST WIRING SOLUTIONS

TENSION WIRE

Zinc-coated and meeting ASTM A641/A641M, Class III standards, our tension wires provide essential tensile strength and corrosion resistance.

STIRRUP WIRE

Adds additional support, crucial for maintaining structural integrity under physical stress.

BARBED WIRE

Complies with ASTM A121, features two twisted strands with sharp barbs, significantly enhancing the fence's protective capabilities.

POSTS AND SUPPORT STRUCTURES

LINE POSTS AND CORNER/END POSTS

Made from galvanized steel and compliant with ASTM A-53 Sch.40, these posts are fundamental for the overall stability and security of the fence.

STRAINER POSTS

Positioned strategically to manage fabric tension and prevent sagging, enhancing the structural integrity of the fence.

FEATURES

- High Security:** Provides robust protection against unauthorized access and intrusion.
- Durable Materials:** Constructed with galvanized steel for strength and longevity.
- Variety of Posts:** Includes strainer, corner, end, and line posts for diverse structural needs.
- Continuous Top Rail:** Enhances fence stability and distributes forces evenly.
- Galvanized Fittings:** All fittings, such as extension arms, bands, bolts, and nuts, are hot-dipped for durability.
- Compliance:** Meets ASTM A-123 and A-153 standards for galvanization.

FENCING SYSTEM SPECIFICATIONS

Above Ground Height	2.7m
Mesh Size	50x50 mm
Wire Diameter	3.76 mm
Chain Link Fabric Height	2400mm
Extension Arm Height from Fabric	300mm
Strainer Post Placement	Every 90m
Back Support	3000mm Long, 42.4mm Dia, 3.56mm Thickness, placed every 90m
Post Embedded in Foundation	975 mm

POST & PIPES DIMENSIONS

Item	Length (mm)	Pipe Dia (mm)	Thickness (mm)	Weight (Kg/m)
Line Post	3400	60.3	3.91	5.44
Corner/Strainer & End Post	3400	73	5.16	8.65
Brace Rail	3000	42.2	3.56	3.39

ARAMCO TYPE 5 FENCE

Discover Hitech's Saudi Aramco Type 5 Fence, the pinnacle of our fencing solutions, designed to provide unmatched security for the most critical installations. Ideal for protecting high-value infrastructure and sensitive areas, this fence combines cutting-edge technology with rigorous standards to deliver a security barrier that stands second to none. The ARAMCO Standard Chain Link Fencing System is designed to provide robust security and clear boundary delineation for various facilities. This comprehensive system ensures quality, durability, and effective protection across industrial and commercial applications. Below is a short overview of its key components and standards.



CHAIN LINK FABRICS

Our chain link fabric features a diamond mesh pattern with a 50 mm (±3.2 mm) opening, adhering to ASTM A392 standards. The height of the fabric is 2400 mm (±12 mm), designed to provide substantial security coverage. Each fabric edge is machine-twisted for a barbed finish, which complicates any intrusion attempts. All fabric rolls are 15 meters long, woven continuously without splices to ensure consistent strength and durability.

WIRE ENHANCEMENTS

TENSION WIRE

This zinc-coated wire conforms to ASTM A641/A641M, Class III standards. It features a galvanized coating of at least 244 g/m² (0.80 oz/ft²) and a minimum diameter of 4.5 mm, providing excellent corrosion resistance and a minimum breaking strength of 6230 N (1400 lb), essential for maintaining the fence's structural integrity.

STIRRUP WIRE

Offering additional support and attachment points, this wire connects the vertical posts to the mesh, reinforcing the fence at high-stress points and helping to distribute loads evenly. This design enhances the fence's ability to withstand external forces and maintain its durability.

TIE WIRE

Essential for securing the chain link fabric to the tension wire and posts, our tie wire is galvanized to match ASTM A641/A641M standards, ensuring strong resistance to environmental

wear. With a diameter of at least 3.0 mm and a length of 250 mm (±10 mm), it provides reliable fastening that keeps the structural integrity intact.

ROBUST POST SYSTEM

LINE POST

Fabricated from galvanized steel, these posts have a diameter of 60 mm, a length of 3400 mm, and a thickness of 3.91 mm. Meeting ASTM A-53 Sch.40 standards, they offer a tensile strength of 330 MPa and a yield strength of 205 MPa. Spaced no more than 3 meters apart, they are essential for supporting the chain link fabric and include a cap to prevent water ingress.

CORNER, END, AND STRAINER POSTS

Also made from galvanized steel, these posts have a diameter of 73 mm, a length of 3400 mm, and a thickness of 5.16 mm, adhering to ASTM A-53 Sch.40 standards. These posts are crucial for maintaining fence alignment and tension across changes in direction and long stretches, ensuring the fence's overall stability and security.

FITTINGS

All fittings in the ARAMCO Fencing system, including extension arms shaped from pressed 1.5 mm thick sheets to form an angle, as well as round bands, offset bands, stretcher bars, carriage bolts, truss rods, turnbuckles, M8x35 mm bolts, and nuts, are manufactured following ASTM F626 standards. This ensures that every component contributes effectively to the fence's strength and longevity.

FEATURES

- High Security:** Provides robust protection against unauthorized access and intrusion.
- Durable Materials:** Constructed with galvanized steel for strength and longevity.
- Variety of Posts:** Includes strainer, corner, end, and line posts for diverse structural needs.
- Continuous Top Rail:** Enhances fence stability and distributes forces evenly.
- Galvanized Fittings:** All fittings, such as extension arms, bands, bolts, and nuts, are hot-dipped for durability.
- Compliance:** Meets ASTM A-123 and A-153 standards for galvanization.

WIRE PRODUCTS SPECIFICATIONS

Class	Chain Link Fabrics	Tension Wire	Stirrup Wire	Tire Wire	Barbed wire
Opening/ Wire Dia	50/3.76	4.5 (2 Rows)	3	N/A	2.50 mm Dia, 6 rows

FENCING SYSTEM SPECIFICATIONS

Above Ground Height	2.7m
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POST & PIPES DIMENSIONS

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Line Post	3400	60.3	3.91	5.44
Corner/Strainer & End Post	3400	73	5.16	8.65
Brace Rail	3000	42.2	3.56	3.39

GATE & AUTOMATION

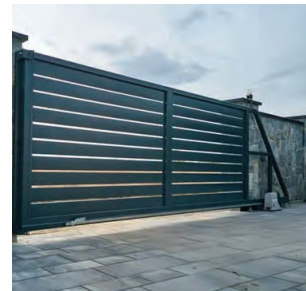
SWING GATE

At Hitech, we offer durable Swing Gates compatible with chain link, welded mesh, steel, and high-security fences. Designed for commercial, industrial, and high-security use, our gates exceed 2.5m in width or height, with reinforced bracing for stability. Galvanized, PVC-coated, or powder-coated finishes ensure long-lasting performance.



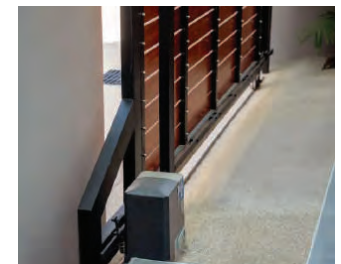
SLIDING GATE

Maximize your space with HiTech's advanced Sliding Gates, designed for seamless integration with chain link, welded mesh, steel, and HCIS fences. Ideal for areas with limited space, they provide smooth horizontal operation, robust security, and durability for commercial and industrial use. Built for large dimensions, they easily accommodate widths and heights over 2.5 meters.



ELECTRIC GATE

HiTech's Electric Gates offer top-tier security and convenience, compatible with chain link, welded mesh, steel, and HCIS fences. Available for both swing and sliding gates, they feature single-phase or three-phase motors for reliable automation. Ideal for high-traffic industrial, commercial, and high-security sites.



SWING GATE

At Hitech, we offer Swing Gates that integrate seamlessly with various types of fencing systems, including chain link, welded mesh, steel, and high-security chain link fences (HCIS). Our gates are designed for reliability and ease of use, making them ideal for commercial, industrial, and high-security applications. The gates are designed for larger dimensions, typically exceeding 2.5 meters in width or height. To ensure structural stability, vertical interior bracing is employed for widths over 2.5 meters, while horizontal reinforcements are added when the fabric height exceeds 2.5 meters. The frames and components are treated with galva-nized, PVC Coated or powder-coated finishes, ensuring longevity and resistance to environmental wear and tear



TYPES OF SWING GATES

- Single Leaf Swing Gate:** The single leaf swing gate features one door, typically 1000mm wide, making it ideal for pedestrian access. It requires adequate space for the gate to swing inward or outward, allowing for controlled entry and exit, making it a preferred option for foot traffic in both commercial and residential settings.
- Double Leaf Swing Gate:** The double leaf swing gate consists of two doors, providing a larger opening for vehicular access. This type of gate is ideal for areas that require wide clearance for vehicles or equipment, offering flexibility for multiple types of access. Double swing gates are a popular choice for industrial and commercial spaces.

SPECIFICATIONS AND DIMENSIONS

Item	Name	Specifications
01	Single leaf swing gate	1000mm wide - 1800mm Wide
02	Double leaf swing gate	2000mm wide – according to customer requirements

STRUCTURAL REINFORCEMENTS

- Bracing:** To ensure the gates withstand daily use, particularly for larger configurations, internal bracing with truss rods (typically 10mm thick) is strategically incorporated to enhance the gate's overall strength and prevent sagging.
- Anti-Climb Feature:** For additional security, an anti-climb de-sign is integrated with barbed wires at the top, often in a 300mm wide spacing to deter unauthorized access.
- Drop Lock:** For double swing gates, a drop lock system is employed, providing an extra layer of security by anchoring the gate when closed.

GATE COMPONENTS

GATE POSTS

The post is the backbone of the gate structure, made from heavy-duty materials such as SCH 40 grade pipes, tubes depending on the situation and length of gates.

GATE FRAME

Constructed from durable pipes (commonly 60mm OD with internal reinforcement) for chain link fence and for other gates we used depending on the situation , the frame provides structural integrity to the gate, supporting the mesh and resisting deformation over time.

MESH/FABRIC

Depending on the fence type, the mesh can vary in materials and thickness. For chain link, welded mesh, or HCIS, the mesh is crafted from galvanized or vinyl-coated steel wire, providing security and durability.

BARBED WIRE / ANTI-CLIMB

In high-security applications, such as with HCIS fencing, the gate often features barbed wire or anti-climb extensions. These are integrated into the top of the gate to prevent unauthorized climbing.

LOCKING MECHANISM

A traditional or drop-lock system is used to secure the gate, typically incorporating a thick, galvanized rod for robust locking and security.

ROBUST CONSTRUCTION

Component	Description
Gate Posts	Built from heavy-duty SCH 40 grade materials, ensuring durability and stability
Gate Frame	Features durable pipes with internal reinforcement tailored to each gate type, supporting the mesh and maintaining structural integrity over time.
Mesh/Fabric	Available in various materials and thicknesses suitable for different fence types, crafted from galvanized or vinyl-coated steel wire

INSTALLATION AND FINISHING

Each swing gate is designed for easy installation and low maintenance, ensuring long-term reliability and user satisfaction. Comprehensive installation guides are provided to assist in proper setup and to ensure optimal functionality. Single and Double Leaf Swing Gates Installation: Swing gates, whether single or double, can be configured to swing inward or outward, as specified. Proper alignment is essential, ensuring that the gates are installed plumb in the closed position with minimal ground clearance. For double gates, holdbacks are required to se-cure the leaf in place, particularly when the gate width exceeds 1524mm (5 feet).

Standard Finish	Powder Coated Finish	Marine Coat
Products are hot deep Galvanized	to BS EN 1461 Galvanized and Powder coated to BS EN 13438 Hot Dip Galvanized	Marine coat Coating for application near salt water

FEATURES

- Cost-Effective:**
Our swing gates offer an affordable solution without compromising on quality.
- Easy to Install:**
Designed for quick and hassle-free installation.
- Adjustable Assembly:**
Flexibility to suit different installation environments and requirements.

SLIDING GATE

Unlock the potential of your space with HiTech's advanced Sliding Gate systems, perfectly suited for any fencing arrangement including chain link, welded mesh, steel, and HCIS fences. These gates are crafted for superior functionality, ensuring smooth horizontal movement in areas where swing gates are impractical due to space constraints. Sliding gates are a key access solution for various fencing systems, including chain link, welded mesh, steel, and high-security chain link fences (HCIS). Designed for smooth, horizontal operation, sliding gates are ideal for areas with limited space where swing gates might be impractical. They offer robust security and durability for both commercial and industrial settings. These gates are typically large in size, engineered to handle significant widths and heights, often exceeding 2.5 meters.



DIVERSE RANGE OF SLIDING GATES

- Single Leaf Sliding Gate:** The single leaf sliding gate features a single panel that slides horizontally along a track. It is ideal for pedestrian or light vehicular access, especially in areas with limited space for gate swing. This type of gate is commonly used in both commercial and industrial spaces where efficient space us-age is a priority.
- Ideal for pedestrian or light vehicle access.
 - Requires minimal space, sliding horizontally along a track.
 - Commonly used in commercial and industrial spaces for efficient space utilization.
- Double Leaf Sliding Gate:** The double leaf sliding gate is designed with two sliding pan-els that open from the center, providing a wider entry point for larger vehicles or equipment. This configuration is ideal for commercial or industrial zones that require significant clearance, ensuring smooth access for trucks, forklifts, and other large machinery.
- Features two sliding panels that meet in the middle, ideal for wide entrances.
 - Provides ample space for large vehicles and machinery, enhancing operational efficiency.
 - Best suited for commercial and industrial zones needing large clearance

ENHANCED STRUCTURAL FEATURES

- Internal Bracing:** Sliding gates often require additional internal bracing to prevent flexing or sagging, especially for gates that exceed 2.5 meters in width. Truss rods, typically 10mm in diameter, are used to provide extra strength and structural stability.
- Anti-Climb Feature:** In high-security applications like HCIS, sliding gates may be equipped with an anti-climb design. Barbed wires or mesh extensions are added at the top of the gate to prevent unauthorized access.

ROBUST CONSTRUCTION & COMPONENTS

Component	Description
Gate Posts	Constructed from durable SCH 40 grade materials, providing strong support.
Gate Frame	Made from reinforced steel or aluminum to ensure longevity and resilience
Infill	Customizable mesh panels or solid materials to match security needs, available in galvanized or PVC-coated options
Tracks and Rollers	Features heavy-duty tracks and smooth-operating rollers for effortless movement
Locking Mechanism	Includes options for both manual padlocks and advanced electronic locking systems

SPECIFICATIONS AND DIMENSIONS

Sr No.	Name	Specifications
01	Single Sliding door	1000mm wide - 10000mm Wide
02	Double Sliding door	2000mm wide – according to customer requirements

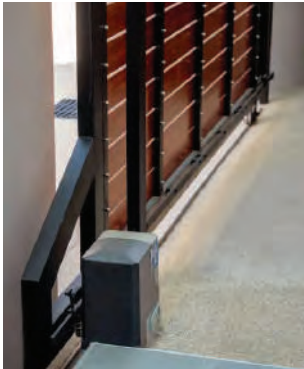
INSTALLATION AND FINISHING

Sliding gates should be installed on level ground with the track system securely anchored to ensure smooth operation. The gate must be aligned with precision to avoid binding or misalignment over time. The sliding mechanism should move parallel to the fence line, with minimal clearance between the gate and the ground. For double sliding gates, the panels must align perfectly when closed, ensuring no gaps are present. Holdbacks or stops should be installed at the end of the track to prevent the gate from moving beyond its designated range.

Standard Finish	Powder Coated Finish	Marine Coat
Products are hot deep Galvanized	to BS EN 1461 Galvanized and Powder coated to BS EN 13438 Hot Dip Galvanized	Marine coat Coating for application near salt water

ELECTRIC GATE

Hitech's Electric Gates are the epitome of security and convenience, seamlessly integrating with various fencing systems such as chain link, welded mesh, steel, and high-security chain link fences (HCIS). Designed to cater to both swing and sliding gate types, these gates come equipped with single-phase or three-phase motors tailored to meet specific operational requirements and site conditions. Ideal for sites demanding frequent access, these motorized gates combine robust security with the ease of automation, making them perfect for industrial, commercial, and high-security areas.



TYPES OF ELECTRIC GATES

Motorized Swing Gate: Available in both single and double leaf configurations, motorized swing gates open inward or outward using a motorized arm mechanism. These gates are ideal for pedestrian or vehicular access, offering automated convenience. The gate motor can be configured to work with either a single-phase motor for residential or light commercial applications or a three-phase motor for heavier industrial use where higher power output is needed.

Motorized Sliding Gate: Motorized sliding gates are designed to open horizontally along a track, providing a space-saving solution where swing gates are impractical. Available in single or double sliding configurations, these gates use motorized rollers to open and close automatically. The motor choice — single-phase or three-phase — depends on the size and weight of the gate, as well as the frequency of use. Single-phase motors are ideal for smaller gates or light traffic, while three-phase motors are better suited for industrial settings with heavier loads and continuous operation.

DETAILED COMPONENTS & CONSTRUCTION

Component	Description
Gate Posts	Sturdy posts, often made of SCH 40 grade materials, anchor and support the sliding panel(s) ensuring smooth operation.
Gate Frame	Constructed from high-strength materials like steel or aluminum to support mesh or solid panels.
Infill	Customizable using mesh panels or solid materials like galvanized or PVC-coated steel wire, matching the security needs.
Tracks and Rollers	Equipped with heavy-duty tracks and rollers that ensure effortless and reliable gate movement.
Locking Mechanism	Features robust locking systems, including options for manual or automatic operations

SPECIFICATIONS AND DIMENSIONS

Sr No.	Name	Specifications
01	Single leaf swing gate	1000mm wide - 1800mm Wide
02	Double leaf swing gate	2000mm wide – according to customer requirements

STRUCTURAL REINFORCEMENTS

Bracing: To ensure the gates withstand daily use, particularly for larger configurations, internal bracing with truss rods (typically 10mm thick) is strategically incorporated to enhance the gate's overall strength and prevent sagging.

Anti-Climb Feature: For additional security, an anti-climb de-sign is integrated with barbed wires at the top, often in a 300mm wide spacing to deter unauthorized access.

Drop Lock: For double swing gates, a drop lock system is employed, providing an extra layer of security by anchoring the gate when closed.

ELECTRICAL SETUP AND SAFETY COMPLIANCE

Electrical connections for both single-phase and three-phase motors must be installed by certified electricians according to local safety standards. Three-phase motors, which are generally used for larger, more demanding gate operations, need robust wiring and a suitable power supply to function efficiently. Conversely, single-phase motors are simpler and more cost-effective for smaller gates or less frequent use, making them suitable for residential and light commercial settings.

Single-Phase Motor: Ideal for residential and light commercial use, these motors handle moderate traffic and lighter loads with efficiency. They are energy-efficient and can be easily connected to standard household power supplies.

Three-Phase Motor: These motors are tailored for heavy-duty commercial or industrial use, providing greater power and designed for continuous operation. Suited to larger gates and heavier loads, three-phase motors require a specialized electrical setup but are more efficient and reliable for high-demand situations.

GET IN TOUCH WITH HITECH FENCE

At Hitech Fence, we're here to help you with all your fencing solutions. Whether you have questions about our products, need assistance with installation, or simply want to learn more about what we can offer, our team is ready and waiting to assist. Use the contact information below or fill out our form, and we'll get back to you as soon as possible.



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