

FENCING

AL TAJWEED

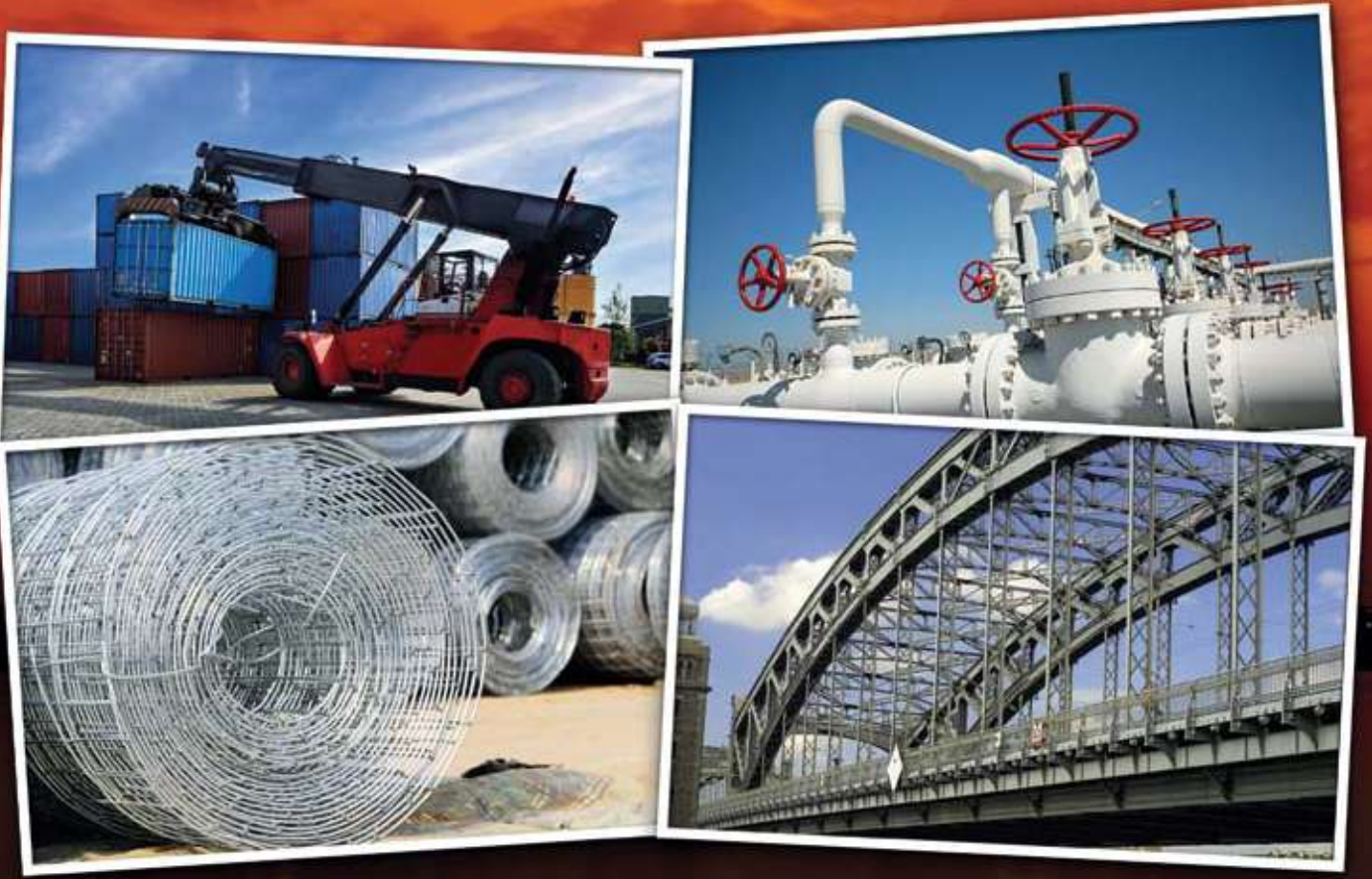


التسييج

ومنافع
للناس

شركة التجويد للتجارة والمقاولات
Al-Tajweed Trading & Contracting Co.

Fields of business



شركة التجويد للتجارة والمقاولات Al-Tajweed Trading & Contracting Co.

Steel Trading is considered as one of the main activities of Al-Tajweed Trading & Contracting Co., a company founded in 1999. It extends its business in all regions of the Kingdom of Saudi Arabia as a major provider in the sectors of industrial and petroleum constructions.

We operate in many fields within 4 main sectors:

Al-Tajweed's Divisions:

- Structural steel trading.
- Trading of Trucks, Cars and heavy equipments.
- Electro-mechanical "parts and fittings".
- Fencing supply and installation.

تعتبر تجارة الحديد أحد الأنشطة الأساسية لشركة التجويد للتجارة والمقاولات التي تأسست عام ١٩٩٩ م ، والتي تمتد أعمالها في كافة مناطق المملكة العربية السعودية كرافد أساسي لقطاعات؛ الإنشاء والصناعة والبتترول.

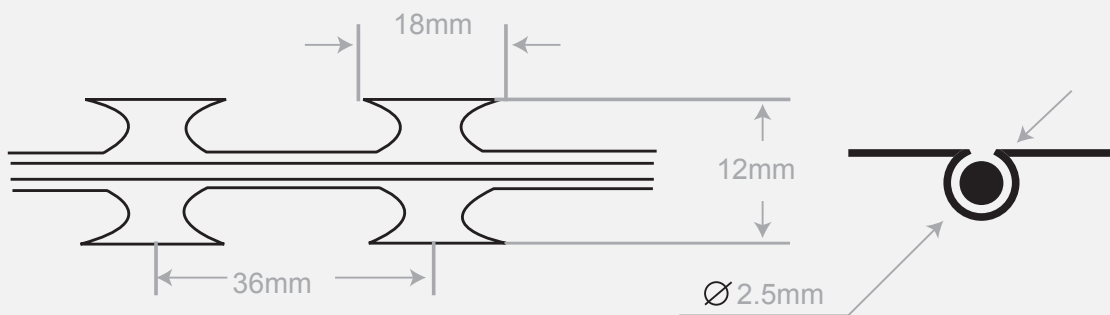
تدير الشركة أعمالها ضمن ٤ قطاعات رئيسية:

اقسام الشركة:

- قسم تجارة الحديد التجاري (الستيل الانشائي).
- قسم تجارة الآليات و المعدات الثقيلة والسيارات.
- قسم المواد الإلكترونية ميكانيكية و الأنظمة الصناعية.
- قسم التسبيح والشبك المعدني.



Concertina Tape Coils is a zinc-coated tape, As below picture, thickness 0.55 mm, having a double-edged profile, symmetrical spikes with cutting edges, compression around the galvanized steel wire rope with a diameter of 2.5 mm. Step teeth 36 mm. is used for manufacture of barbed wire Concertina, flat safety barrier, mobile barrier and by itself, in the form of thread, as an alternative to the usual barbed wire.

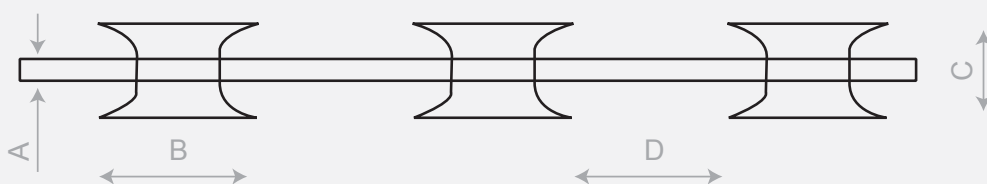


Concertina Tape is divided into BTO and CBT,




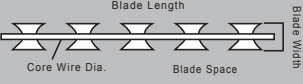

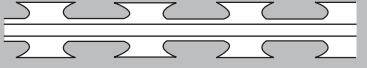
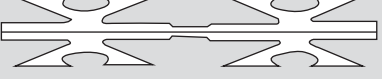

BTO include BTO-10, BTO-18, BTO-22, BTO-28 and BTO-30;

CBT include CBT-60 and CBT-65;

BTO-22 is most commonly used type for domestic (other model can also be customized)



مواصفات الكونسرتينا شفرات CONCERTINA TAPE SPECIFICATION

رقم المرجع Reference number	نوع الشفرة Blade style	سماعة Thickness	قطر السلك Wire diameter, mm (a)	طول الشفرة Blade length, mm (b)	عرض الشفرة Blade width, mm (c)	تباعد الشفرة Blade distance mm (d)
BTO-10		0.5±0.05	2.5±0.1	10±1	13±1	26±1
BTO-12		0.5±0.05	2.5±0.1	12±1	15±1	26±1
BTO-18		0.5±0.05	2.5±0.1	18±1	15±1	33±1
BTO-22		0.5±0.05	2.5±0.1	22±1	15±1	34±1
BTO-28		0.5±0.05	2.5	28	15	45±1
BTO-30		0.5±0.05	2.5	30	18	45±1
CBT-60		0.6±0.05	2.5±0.1	60±2	32±1	100±2
CBT-65		0.6±0.05	2.5±0.1	65±2	21±1	100±2

مواصفات لفات الكونسرتينا CONCERTINA COIL SPECIFICATION

القطر الخارجي Outside Diameter	عدد اللفات No. of Loops	تمدد اللفة المقترح Standard Length per Coil	النوع Type	ملاحظات Notes
450mm	33	7-8M	CBT-60.65	Single coil
500mm	56	12-13M	CBT-60.65	Single coil
700mm	56	13-14M	CBT-60.65	Single coil
960mm	56	14-15M	CBT-60.65	Single coil

Barbed Tape Concertina (CBT); Barbed Tape Obstacle (BTO) .

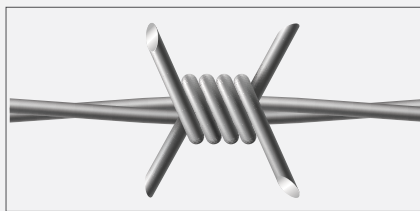
Note: Standard products styles are shown in the tables above, special specifications are available on request.

Material: Hot galvanized steel sheet and wire, stainless steel sheet and wire: AISI430 and AISI304.

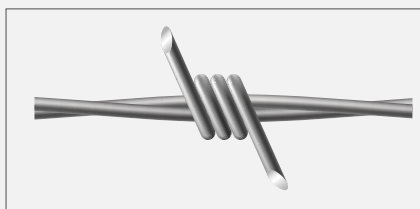


Barbed wire is made of high quality mild steel wire. There are different types of barbed wire as the state of the barbed wire surface.

For the basis using, barbed wire often uses the galvanized wire with the wire diameter of 2.8mm. Spikes often use the inner material of galvanized wire with the wire diameter of 2.0mm. The barbed wire specification can be supplied as special need. The galvanized wire diameter, barb spacing, barbed wire length, per coil weight, packing are all as customer

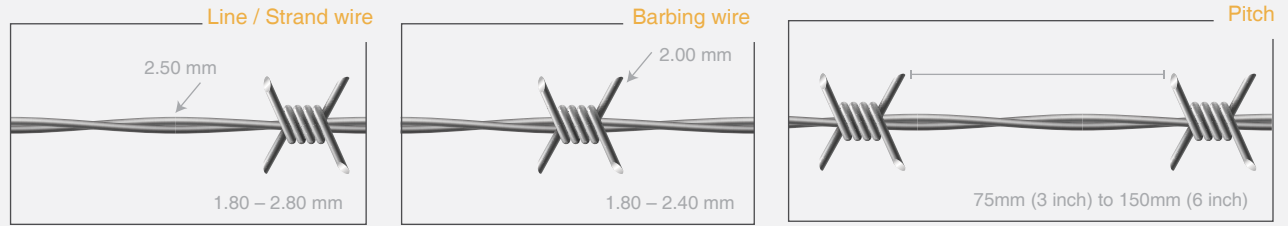


Barbed Wire consists of two strands of wire twisted together with barbs placed at predetermined distances. Reverse twist is the new standard used by us in its high tensile barbed wire products. The reverse twist design alternates the direction of the two wires at the barbs to reduce sagging and better hold the barbs in place and adds memory to the barbed wire which results in less maintenance and repair.



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Barbing wire with double stranded line wire specifications:



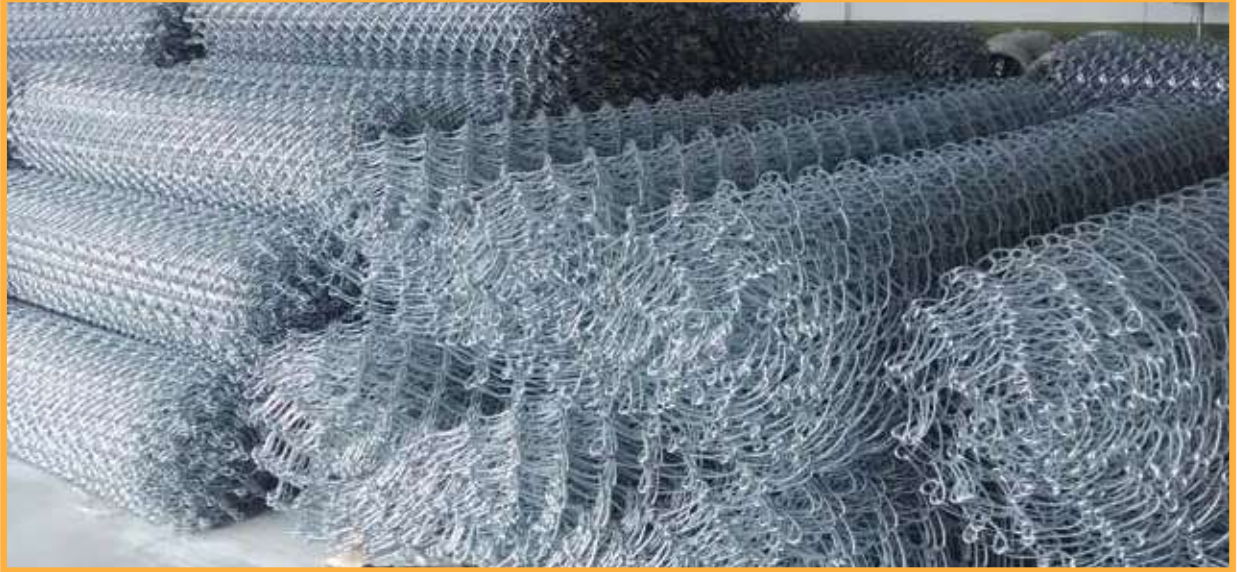
Zinc coating on Barbed wire can vary from commercial grade to heavy galvanized (275 gsm).

We bring forth PVC coated barbed wire which further improves the life of the product and is usually offered with both the line wire and barb wire specification of core wire diameter 1.8mm and outer diameter 2.6mm. PVC barbed wire is more suitable for the single twist barbed wire fencing.

A new product added under barb wire category is a single strand barb wire – in this wire the line wire is a single wire instead of a double wire, and this single wire is high tensile wire, which makes cutting of this wire difficult. Often two lines of this wire are placed close to each other and clipped at certain periodic intervals

BARBED WIRE

S No م	Description الوصف	Galvanized barbed wire السلك الشائك المجلفن	PVC Coated السلك الشائك المغطى PVC
1	Line Wire سلك متصل	2 ply of 2.50mm خطين مقاس ٢,٥ مم	2 ply of 1.8/2.60 mm خطين ١,٨ مم داخلي و ٢,٦ مم خارجي
2	Barbes الشوكات	4 point barbs of 2.00 mm عدد (٤) شوكات مقاس السلك ٢مم	4 point barbs of 2.50 mm عدد (٤) شوكات مقاس السلك ٢,٥٠مم
3	Spacing تباعد الشوكات	75 mm and 101 mm ٧٥مم أو ١٠١ مم بين الشوكتين	75 mm and 101 mm ٧٥مم أو ١٠١ مم بين الشوكتين متتاليتين
4	Roll Length طول اللفة	200 meters (Approx) ٢٠٠ متر تقريبا	200 meters (Approx) ٢٠٠ متر تقريبا
5	Weight وزن اللفة	16 kgs (Approx) ١٦ كجم تقريبا	22 kgs (Approx) ٢٢ كجم تقريبا



Chain Link Fabrics are typically manufactured in 15 meter long rolls. When more than 15 meter of fence is needed for a stretch, rolls can be woven together easily. Chain link is easily cut to size by removing one link.

CHAIN LINK FENCE - WEAR AND TEAR

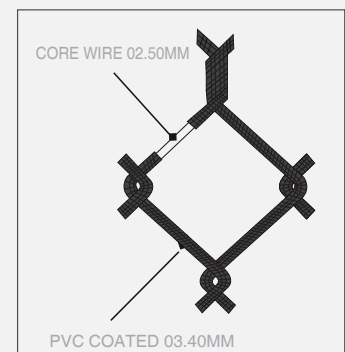
Light chain link fence will not be able to undertake extreme wear and tear. The chain link fence's framework may bend or the fabric may be damaged. Everyday wear and tear including people sitting or climbing on the chain link fence may cause damage. In addition, heavy wind can also cause the chain link fence harm. While the structure of the chain link fence can be damaged, poor coating can cause the chain link fence to rust. Light chain link fence is manufactured for light, temporary needs. An unknowing consumer may buy a light chain link fence because of its lower cost or because they do not understand that there is a difference between chain link fences

CHAIN LINK FENCE - FABRIC

There are three criteria to consider when selecting chain link fence fabric: gauge of wire, size of mesh, and type of protective coating.

CHAIN LINK FABRIC GAUGE

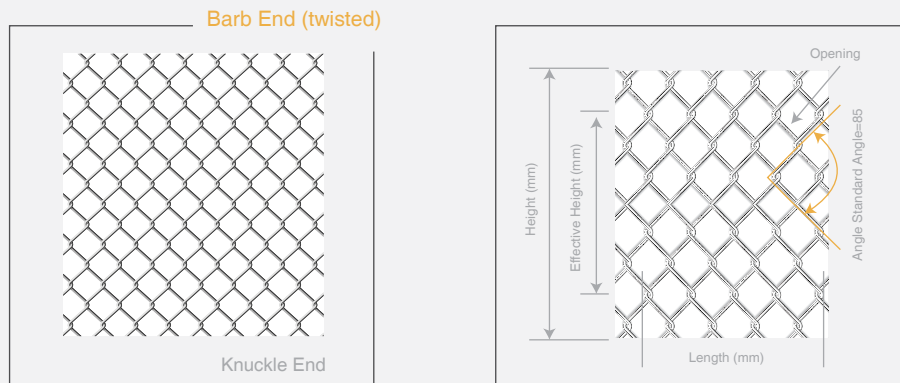
The chain link's gauge (ga.) or diameter of wire shows how much steel is actually in the fabric. The smaller the gauge number is indicates that the chain link is made of more steel and higher quality wire. It also indicates the strength of the wire. Common chain link gauges are 13, 12-1/2, 11-1/2, 11, 9, and 6. It is recommended that a typical chain link fence use 11-1/2 to 9 gauge. Light weight, temporary chain link fence can use 13 or 12-1/2 gauge while heavy, industrial chain link fence requires 6 gauge.



CHAIN LINK FABRIC WIDTH (HEIGHT)

Fence fabric is available two ways. Chain link fabric less than 1.50 meter high is available with knuckles on both ends. Chain link fabric 1.50 meter and taller comes with knuckles on one end and barbs on the other end.

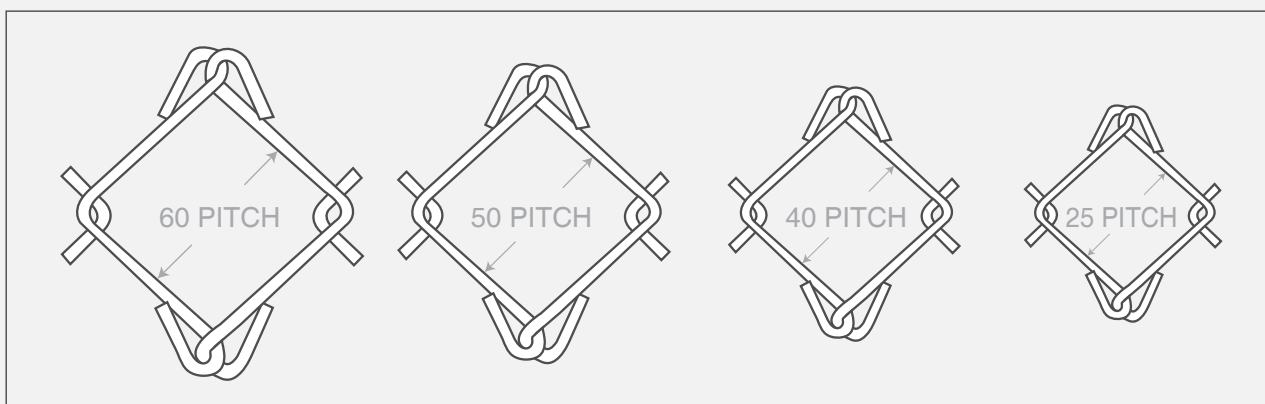
We manufacture 0.50 meter to 6.00 meter width/height fabrics as per the customer's requirements. Each roll length from 15.00 – 20.00 meters available.



CHAIN LINK FABRIC MESH

The chain link's mesh size is a measurement of how far apart the parallel wires are in the mesh. Like the chain link's gauge, the chain link's mesh is another indication of how much steel is in the chain link.

The smaller the diamond shows that more steel is in the fabric. Typical chain link mesh ranges in size from 2-3/8", 2-1/4", and 2". Smaller chain link mesh is used for tennis courts (1-3/4"), swimming pools (1-1/4"), and high security mini mesh (5/8", 1/2", and 3/8").



CHAIN LINK FABRIC COATING

There are several different surface treatments that help protect and beautify steel chain-link fabric.

Zinc is the most common protective coating for chain link fence. Zinc protects chain link at all costs. For example, if the chain link is cut, the zinc “heals” the exposed steel surface and protects from rust by developing a white oxidation layer. Typical galvanized chain link fabric has a 1.2 ounce per square foot coating. A fence project that requires greater than average longevity may require more zinc coating. The longevity of the chain link is directly related to the amount of zinc that is applied.



The two main ways chain link fabric is galvanized or coated with zinc include Galvanized After Weaving (GAW) or Galvanized Before Weaving (GBW). GAW requires the steel to be formed into chain link fabric first before it is galvanized while GBW galvanizes the strand of wire before being formed into chain link mesh. GAW is the main galvanizing method for larger manufactures as it is more efficient.

In addition to zinc, chain link wire can also be coated with aluminum. Unlike zinc which is a sacrificial coating, aluminum coating acts as a barrier to the chain link. As a result, aluminum chain link can quickly rust from cut ends, scratches and other imperfections.

If you want your chain link fence to have color then look for polyvinyl chloride applied in addition to zinc coating. The polyvinyl coating provides a second layer of corrosion protection and blends in with the chain link fence’s environment. Color chain link coatings can be done three different ways:

Extruded: This chain link coating is suitable for most residential or light commercial chain link fence applications as the vinyl jacket is wrapped around the steel core.

Extruded bonded: This chain link coating is an extension of the extruded coating as an adhesive bonds the vinyl jacket to the core wire.

Thermally fused: Suitable for all applications, this chain link coating fuses the vinyl coating to the galvanized steel core.

It is important that you understand the gauge and steel core wire of the finish product. It is recommended that the diamond size mesh for normal chain link installations be 1-3/4” to 2-3/8”.

MESH	الفتحات
SLOTS DIAMOND SHAPE	على شكل معين بمقاسات
25 x 25 mm	٢٥ x ٢٥ مم
50 x 50 mm	٥٠ x ٥٠ مم
60 x 60 mm	٦٠ x ٦٠ مم
70 x 70 mm	٧٠ x ٧٠ مم
HEIGHT	الارتفاع
From 500 MM to 4000 MM	يبدأ من ٥٠٠ مم حتى ٤٠٠٠ مم
ROOL LENGTH	طول اللفة
From 15 meter to 20 meter	١٥ متر - ٢٠ متر
TOP AND MOTTOM ENDING SHAPE (SELVAGE)	النهايات العلوية والسفلية للشبك
TWISTED	مجدول (مفتول)
KNUCKLED	مطعوج
TWISTED + KNUCKLED	مجدول ومطعوج



WIRE PRODUCTS

منتجات السلك

- Galvanized finish
- PVC Coated finish (in dark green or other color in order)
- سلك مجلفن .
- سلك مغطى pvc (أخضر غامق) أو حسب الطلب .

A-WIRE SIZE (DIAMETER)	مقاسات السلك
GALVANIZED	السلك المجلفن
2.5 MM	٢,٥ مم
3.0 MM	٣,٠ مم
3.5 MM	٣,٥ مم
3.76 MM	٣,٧٦ مم
4.5 MM	٤,٥ مم
(OR) Up on request	أو حسب الطلب

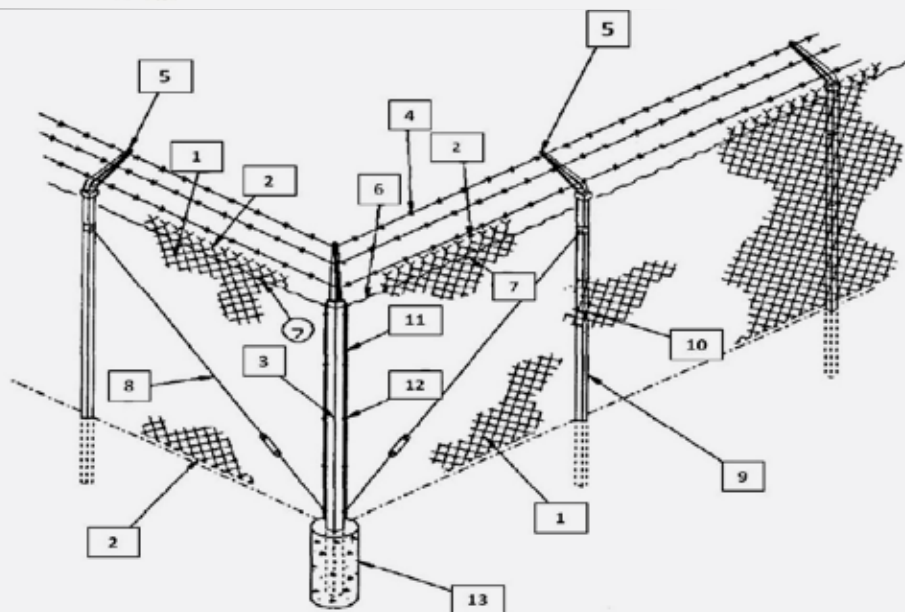
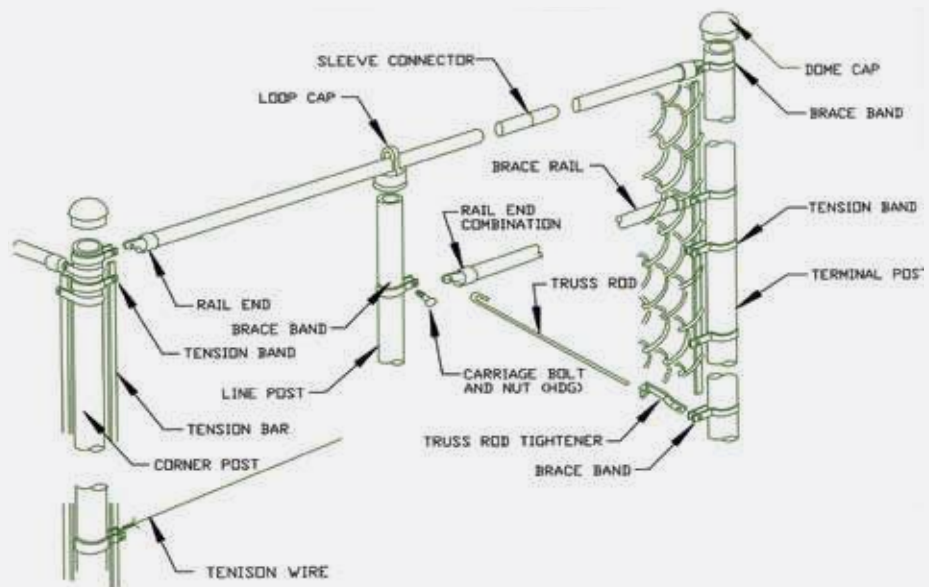
Galvanized wire rolls



PVC COATED	السلك المغطى PVC
Core wire dia 2.30/3.20 outside dia.MM	داخلي ٢,٣٠ / ٢,٢٠ مم قطر خارجي
Core wire dia 2.5/3.55 outside dia.MM	داخلي ٢,٥ / ٣,٥٥ مم قطر خارجي
Core wire dia 3.55 /4.76 outside dia.MM	داخلي ٣,٥٥ / ٤,٧٦ مم قطر خارجي
Core wire dia 4.76 /4.88 outside dia.MM	داخلي ٤,٦٧ / ٤,٨٨ مم قطر خارجي
(OR) Up on request	أو حسب الطلب

PVC coated wire rolls





Frame-hinge



45-degree-barb-arm



Top-rail-sleeve



post-cap



Loop-cap



Dropper-bar



Rail-end



boulevard-clamp



V-barb-arm



barb-wire-v-arms



Tension-band



Post-hinge



Complete Fence



Ratchet-winder



Straight-barb-arm



GALVANIZED CHAIN LINK FENCE PIPES & POSTS

مواسير وأعمدة الشبك المجلفن



SPECIFICATION FOR STANDARD SIZES EXTRACTS FROM AS TM A53 GR-A SCHEDULE 40 FOR BLACK AND GALVANIZED STEEL PIPES

المواصفات الأمريكية

مقاس Size		القطر الخارجي حد أدنى OD (Minimum)		القطر الخارجي حد أعلى OD (Maximum)		السماكة Wall Thickness		الوزن Weight of Tube.(Plain End)		اختبار الضغط Pressur E Gr-a	وزن الماسورة Weight of tube (SS)		عدد الأنابيب في الربطة Pieces Per bundle
INCH	NB(mm)	INCH	MM	INCH	MM	INCH	MM	lb/Ft.	Kg./Mtr	PSI	lb/Ft.	Kg./Mtr	
1/2"	15	0.822	20.90	0.854	21.70	0.109	2.77	0.850	1.27	700	0.860	1.27	120
3/4"	20	1.035	26.30	1.070	27.10	0.113	2.87	1.130	1.69	700	1.140	1.69	84
1"	25	1.300	33.00	1.330	33.80	0.133	3.38	1.680	2.50	700	1.690	2.50	60
1 1/4"	32	1.645	41.80	1.680	42.60	0.140	3.56	2.270	3.39	1200	2.280	3.40	42
1 1/2"	40	1.885	47.90	1.920	48.70	0.145	3.68	2.720	4.05	1200	2.740	40.04	36
2"	50	2.350	59.70	2.400	60.90	0.154	3.91	3.660	5.44	2100	3.680	5.46	26
2 1/2"	65	2.850	72.30	2.900	73.70	0.203	5.16	5.800	8.63	2500	5.850	8.67	18
3"	80	3.460	88.00	3.530	89.80	0.216	5.49	7.580	11.29	2220	7.680	11.35	14
3 1/2"	90	3.960	100.60	4.040	102.60	0.226	5.74	9.120	13.57	2030	9.270	13.17	12
4"	100	4.450	113.20	4.540	115.40	0.237	6.02	10.800	16.07	1900	10.920	16.23	10
5"	125	5.507	139.90	5.620	142.70	0.258	6.55	14.630	21.77	1670	14.900	22.07	7
6"	150	6.560	166.60	6.690	169.98	0.280	7.11	18.990	28.26	1520	19.340	28.58	7
8"	200	8.562	217.50	8.70	221.00	0.322	8.18	28.58	24.55	1340	--	--	4
10"	250	10.669	271.00	10.826	275.00	0.365	9.27	40.52	60.29	1220	--	--	4
12"	300	12.637	321.00	12.854	326.50	0.406	10.31	53.57	79.70	1150	--	--	2

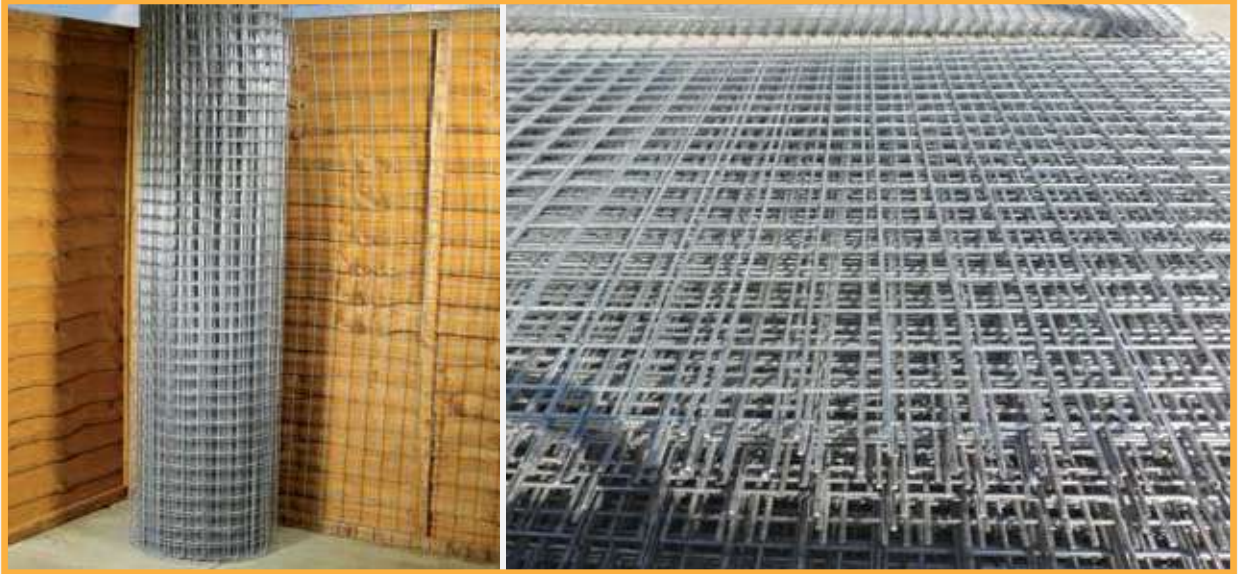
For fence posts and a host of other uses, such as fence rails, parking bumper posts, boat dock posts, and many more applications, high-quality galvanized pipe has many uses. At our fence store, we can supply galvanized pipe for fencing or any other use you may have for it. Bottom flanged posts are also available for many commercial uses. All of our pipe is hot-dipped galvanized, and will resist rusting and corrosion effectively.

We carry full length fence pipe in 3 classifications for residential or commercial chain link fence projects.

**SPECIFICATION FOR STANDARD SIZES
AS 1071: 1989 FOR BLACK AND HOT
DIPPED GALVANIZED STEEL PIPES.**

المواصفات الأمريكية

الأنبوب Tube	مقاس Size		القطر الخارجي OD (Specified)		السماكة Wall Thickness (Mm)	الوزن Weight Of Tube (Kg/mtr)		الضغط Pressure Bar lb/Ft.
	INCH	NB	MIN	MAX		BLACK	S/S	
L I G H T	1/2"	15	21	21.4	2	0.747	0.956	50
	3/4"	20	26.4	26.9	2.3	1.38	1.39	50
	1"	25	33.2	33.8	2.6	1.98	2	50
	1 1/4"	32	41.9	42.5	2.6	2.54	2.57	50
	1 1/2"	40	47.8		2.9	3.23	3.27	50
	2"	50	59.6	60.2	2.9	4.08	4.15	50
	2 1/2"	65	75.2	76	3.2	5.71	5.83	50
	3"	80	87.9	88.7	3.2	6.72	6.89	50
M E D I U M	4"	100	113	113.9	3.6	9.75	10	50
	1/2"	15	21.1	21.7	2.6	1.21	1.22	50
	3/4"	20	26.6	27.2	2.6	1.56	1.57	50
	1"	25	33.4	34.2	3.2	2.41	2.43	50
	1 1/4"	32	24.1	42.9	3.2	3.1	3.13	50
	1 1/2"	40	48	48.8	3.2	3.57	3.61	50
	2"	50	59.8	60.8	3.6	5.03	5.1	50
	2 1/2"	65	75.4	76.6	3.6	6.43	6.55	50
	3"	80	88.1	89.5	4	8.37	8.54	50
	4"	100	113.3	114.9	4.5	12.2	12.5	50
	5"	125	138.7	140.6	5	16.6	17.1	50
	6"	150	164.1	166.1	5	19.7	20.3	50



Welded wire fabric, also called welded wire mesh, is a grid of metal wires contact-welded where they cross. While they may resemble the way fabric is woven, mechanically, they don't rely on a weave to stay together; they rely on the welded connection. There are two categories of welded wire fabric: the kind used for fencing and the kind used for concrete reinforcement. Welded wire mesh fencing comes in a wide variety of designs, grid sizes, wire gauges, lengths and heights. The typical wire mesh fence is used as a non-permanent fence. For example, it might be used to fence in small dogs or to keep deer out of a garden. Where permanent residential fences tend to be high enough to obstruct the view of a standing person, wire fence tends to be low -- 3 or 4 feet -- and does not serve as a visual barrier. It is usually lighter in construction than the concrete reinforcement type.

Welded Mesh Panel: is made of superior quality welded mesh, with flat even surface, firm structure, be used extensively in building, food, agriculture and so on.

Assortments available:

- Stainless Steel Welded Mesh Panels
- Galvanized Welded Mesh Panels
- Hot-dip Zinc Plating Welded Mesh Panels

Types of Processing: We can manufacture galvanized welded mesh panel in four major types. They are welded before galvanized, welded after galvanized, welded before hot-dip galvanized and welded after hot-dip galvanized.

Welded Mesh Panels Features:

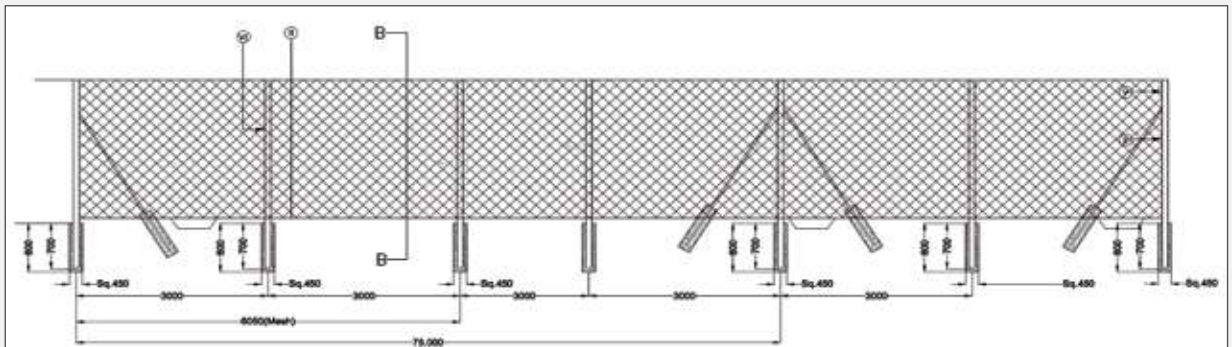
Mesh Sizes: 25x25mm, 50x50mm, 75x75mm and 100x100mm;

Wires Sizes: 2.5mm, 3.15mm, 4mm and 5mm;

Sheet Sizes: 1800x1200mm, 2400x1200m, 2400x1800mm and 3000x1800mm

Property: Welded wire mesh panels enjoy such properties as corrosion resistance, aging resistance, sunshine resistance and weather resistance.

Application: Galvanized welded mesh panels with flat surface and firm structure are widely used in exhibitions, samples shelves, highways, railways, air ports, ports, docks, municipal construction, agriculture and breeding industry.

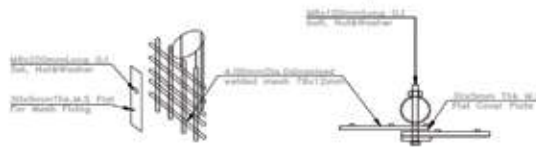


ELEVATION OF WELDMESH FENCING SYSTEM

NOTE:

1. ALL DIMENSION ARE IN MM
2. ALL PIPES ARE HOT DIP GALVANIZED AS PER ASTM A53 & ALL ACCESSORIES AS HOT DIP GALVANIZED AS PER ASTM A123&A153.
3. ALL WIRES ARE HEAVILY GALVANIZED AS PER ASTM STANDARDS.

DR.NO.	ITEM	SPECIFICATION
I	GALVANIZED WELD MESH	40X40X 3.0MM HEAVILY GALVANIZED WELD MESH FENCE MESH SIZE 200X120MM PANEL SIZE=2.0MTR(HEIGHT)X3.0MTR(WIDTH)
II	LINC WIRE	3.0MM DIA. HEAVILY GALVANIZED LINC WIRE
III	STRIP WIRE	3.0MM DIA. GALVANIZED STRIP WIRE
IV	TIE WIRE	3.0MM DIA. GALVANIZED TIE WIRE
V	COVER PLATE	30X3.0MM THK. G.I. PLAT-COVER PLATE
VI	INTERMEDIATE POST	50.0X50MM THK. ASTM A53 SCH-40 G.I PIPE AT EVERY 3.0MTR CENTERS PLAT-COVER PLATE
VII	STRAIGHTENING POST	75.0MM O.D.X3.0MTR THK. ASTM A53 SCH-40 G.I PIPE ALONG WITH 200G. OF ORIGINAL SUPPORT=42.0MM G.I PIPE AT EVERY 3.0MTR CENTERS.
VIII	CORNER POST	75.0MM O.D.X3.0MTR THK. ASTM A53 SCH-40 G.I PIPE ALONG WITH 200G. OF ORIGINAL SUPPORT=42.0MM G.I PIPE AT CORNER.
IX	END POST	75.0MM O.D.X3.0MTR THK. ASTM A53 SCH-40 G.I PIPE ALONG WITH 200G. OF ORIGINAL SUPPORT=42.0MM G.I PIPE AT ENDS.



PANEL FIXING AT EVERY POSTS

DETAIL - 'A'



- Welded fabricated gates galvanized and PVC coted (Sliding / Swing).
- Bolted fabricated gates gavanized and PVC coted (Sliding / Swing).
- Single / double (according to customer requirement).
- Manual and automatic operate.

- بوابات مجمعة باللحام مجلفنة وتغطية PVC (سحاب / درفة).
- بوابات مجمعة بالبراغي مجلفنة وتغطية PVC (سحاب / درفة).
- مفرد أو مزدوج حسب طلب العميل.
- بوابات تعمل يدويا أو كهربائياً.



ANIMAL GUARD & ANIMAL GRID

Animal Guard & Animal Grid are for the safety of Camels / Livestocks were the Express ways going through. We manufacture it as per the specification of M.O.T



ANIMAL GUARD :

Animal Guard Fence will prevent the view to the Express ways while the Camels / Livestocks crossing the Express ways on the crossing bridges. This will avoid any panicking and the Camels / Livestocks cross the Express way in peace of mind.



ANIMAL GRID :

Animal grid is to prevent Camels / Livestocks from entering Expressways. It is for the safety of the traffic & Camels / Livestocks



CHAIN LINK FENCE GATES

OZ Factory Company manufactures, and TAJWEED marketed & professionally installs Galvanized and Full Colour Chain Link Gates variety of styles, heights and specifications. Gates styles available are Single Swing (Welded or Bent Tube), Double Swing (Welded), and Slide Cantilever.



WELDED SINGLE SWING GATES

Welded Single Swing gates are the industry standard among fencing professionals due to the strength of an all welded construction and the added security of square corners. Single Swing gates are available for large opening



sizes up to 2000 mm and to match all fence heights. The standard opening size is 1200 mm but any size can be made to fit your needs. Gates (frame, mesh, hardware) are manufactured in three standard finishes: Galvanized, Powder coated & PVC coated.

Welded gates offer an added degree of enclosure due to the square corner construction that reduces the space between the posts and the bottom gate corners. Functional requirements and site layout should always be considered before selecting your style of gate.

Note that Gate "Opening Size" refers to the distance from inside face to inside face of the gate posts. Gate "Outside Measurement" refers to the dimension from outside edge to outside edge of the gate panel. The difference between the Opening Size and Outside Measurement is the tolerance required for the gate hinge and gate latch dimensions.

WELDED DOUBLE SWING

Welded Double Swing Gates are the economical and functional solution for securing larger openings such as driveways and trailer pads. The two gate panels, which form the double swing gate, allow for less opening space than a long single gate and allow for partial opening if full access is not required.

Double Swing gate are available for large opening sizes up to 10000 mm (5000 mm each side) and to match all fence heights. Gates (frame, mesh, hardware) are manufactured in three standard finishes: Galvanized, Powder coated & PVC coated. Double swing gates come with a welded on drop pin and chain for locking the two panels together as well as a foot bolt (cane bolt) to secure one panel into the ground surface. Welded gates offer an added degree of enclosure due to the square corner construction that reduces the space between the posts and the bottom gate corners. Functional requirements and site layout should always be considered before selecting your style of gate.



SLIDE CANTILEVER

Slide Cantilever Gates are optimal for larger openings where the arc of the swing gate will interfere with obstructions and in applications requiring automatic gate operators. The operation of Cantilever Gates is based on a gate panel that slides through the gate opening in a linear motion fully supported above ground and between two counter balance posts each with a top and bottom roller assembly. Gate panels are typically manufactured to an overall length of "1.5 times the opening size plus 1200 mm so as to provide a counter balance section for support between the two counter balance posts.

Note that there must be an adequate length of fence or an open clear line on the outside of the counter balance posts for the gate panel to slide into the fully open position. Cantilever gates are available to match all fence heights and in opening sizes up to 16.00 meter as a single slide (20.00 meter as a double slide). Gates are manufactured from a welded galvanized steel construction and available in three standard finishes: Galvanized, Powder coated & PVC coated.

The most reliable and functional style of automatic electric gate operators for high usage in hot or cold weather applications are Slide Gate Operators (as opposed to Swing Gate Operators). For this reason, Slide Cantilever Gates are the ideal gate for applications requiring automatic gate operator systems. Functional requirements and site layout should always be considered before selecting your style of gate.



TUBULAR SYSTEM GATES

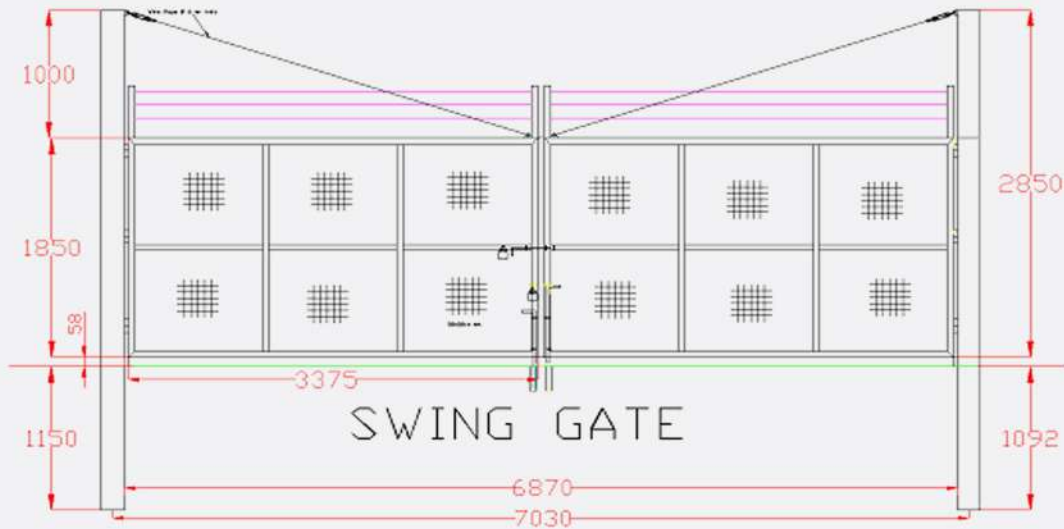
- ⦿ GALVANISED TUBULAR SYSTEM GATES WITH BOTH CHAIN LINK AND WELDED MESH CLADDING
- ⦿ SUITABLE FOR DOMESTIC OR HEAVY DUTY FENCING
- ⦿ GALVANISED FINISH WITH OPTIONAL POLYESTER POWDER COATING
- ⦿ SINGLE OR DOUBLE LEAF FOR INDUSTRIAL USE ETC.
- ⦿ SECURITY OPTIONS - AS WITH FENCING SYSTEM EXTENSIONS FOR BARBED WIRE OR TAPES
- ⦿ TUBULAR CONSTRUCTION FOR EXTRA STRENGTH - LESS VULNERABLE TO VANDALS

POINTS TO CONSIDER

- ⦿ SINGLE OF DOUBLE LEAF
- ⦿ HEIGHT OF GATE FRAME
- ⦿ WIDTH OF OPENING
- ⦿ OPENING INWARDS OR OUTWARDS
- ⦿ OPENING ARC 90O OR 180O
- ⦿ GATE POSTS (SQUARE OR ROUND)
- ⦿ CHAIN LINK INFILL AVAILABLE IN PLASTIC OR GALVANISED WIRE
- ⦿ IF YOU REQUIRE TUBULAR GATES CLAD WITH MESH RATHER THAN CHAIN LINK OR DIFFERENT SIZES, PLEASE CALL.

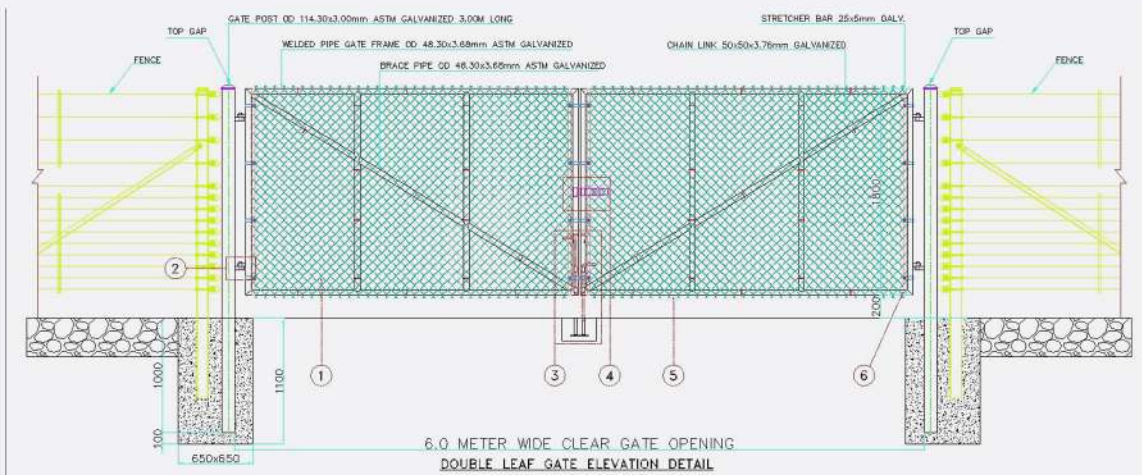
DOUBLE SWING GATE - WELDED MESH (SANG)

- Width: 7.00 meter
- Height: 2450 mm
- Infill: Welded Mesh 50x50x4mm
- Posts: 150x150x5mm
- Shaped Tubes: Ø48.00 x2,5mm
- Finish : Hot Dip Galvanized / Polyester Coated / PVC Coated



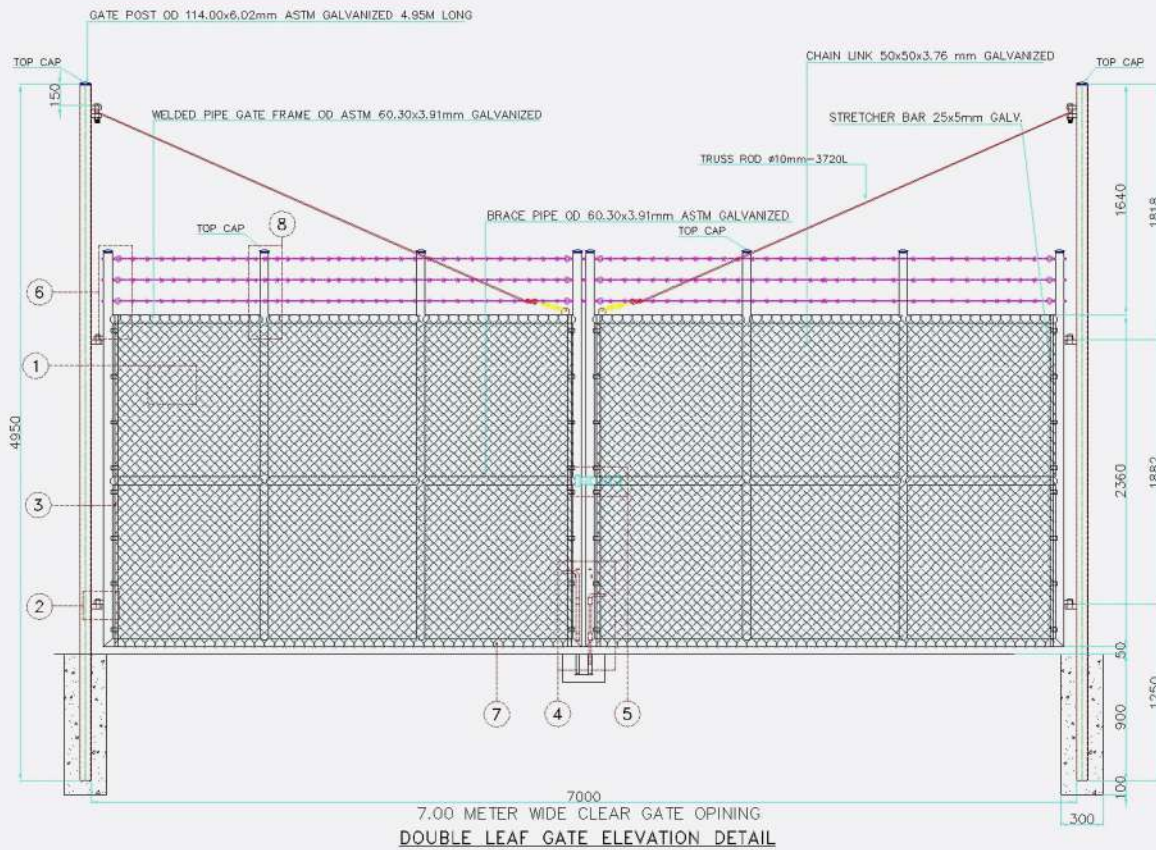
DOUBLE SWING GATE - High Tension Wire (MOT & SAR & SRO)

- Width: 6.00 meter
- Height: 1800 mm
- Infill: Chain Link Fabric Mesh 50x50x3.76mm
- Posts: 114.00 x 6.02 x mm OD
- Shaped Tubes: Ø48.30 mm
- Coating : Hot Dip Galvanized



DOUBLE SWING GATE - Chain Link Fence (RSADF)

- Width: 7.00 meter
- Height: 2800 mm
- Infill: Chain Link Fabric Mesh 50x50x3.76mm
- Posts: 114.00 x 6.02 x 4950 mm
- Shaped Tubes: Ø60.30 mm
- Coating : Hot Dip Galvanized



OUR GATES ARE MANUFACTURED BY



OZ Factory Company
Riyadh, Kingdom Of Saudi Arabia

Chain Link Panel Fence



Chain Link Panel Fences are different from chain link fencing in rolls. The fence panel edges are connected to the chain link fence posts. There are types of galvanized, PVC coated and stainless steel chain fence panels. It is also widely used as temporary fence system in events, construction sites and other places which comes with base plates. And the chain link fence gate is like this type.

Width	3300 mm centre to centre of intermediate panel post
Height	3000 mm excluding ground and top clearance.
Construction	Panels are welded construction (smooth/sharp corner) of galvanized; BS (Light) 1387-85; 48.40 x 2.90 mm x 3.23 kg/ts tube as outer frame as per measurements indicated in the drawing
Post	One number galvanized; BS 1387 -85 Class A1; 75.10 x 2.90 x 3400 mm x 5.14 kg/mts Frames will be fasted to the post on 70 x 70 x 6 mm plate which is welded to the post @ 1000 mm intervals.
Fabric Cladding	Panels are cladded with pre-galvanized Commercial Galvanized Chain Link Fabric made of 3.76 mm O.D wire and having a mesh opening of 50 mm. Fabrics will be fastened to the frame with galvanised stretcher bars of 25 x 5 mm flat bar with 48 x 25 x 3 mm bands & M8 x 30 Carriage type Nutt & bolt spaced @ 500 mm.
Finish	Panel frames are all accessories are Hot-dipped galvanised after fabrication.

TRANSFORM FENCES INTO BEAUTIFUL NATURAL HEDGES

Natural Hedge Fence Slat



AL TAJWEED 6000 Series Fence Slat creates the scenic look of a perfectly maintained, maintenance-free hedge that adds exceptional privacy to your chain link fence. These hedge fence slats will blend well into most landscapes as the 3-mil PVC, pine needles, which last year after year, provide an incomparable natural appearance. The slats are resistant to severe weather conditions, salt water, sand, road dirt most acids, alcohol, alkaline, ammonia, petroleum distillates and common environmental pollutants.

DESIGN

These slats create a natural hedge look to your chain link fence and do not require any maintenance. The slat is manufactured from a strong, 16-gauge, braided galvanized wire core and needles made from 3-mil PVC.

PACKAGING

A box contains 82 privacy hedge slats to cover approximately (10) ten linear feet of fence.

STANDARD HEIGHTS

4', 5', 6', 8', - Please call for a quote for special sizes.

WIND LOAD & PRIVACY FACTOR

Approximately 90% (varies by chain link fence mesh size, wire gauge and coating)

INSTALLATION

Requires no locking device or tools. Slide the Hedge Slat vertically from the top of the fence towards the bottom with the slat's angle cut end downward while rotating the slat clockwise for easier installation.

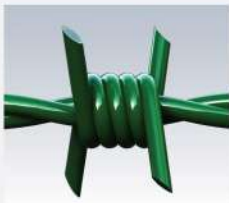
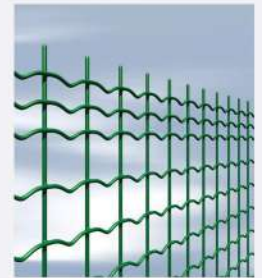
Warranty: 10-year, manufacturer's pro-rata warranty against breakage under normal conditions. Not responsible for fence damage resulting from wind load conditions due to insufficient structural support.

AL TAJWEED Fortinet Weld Mesh Fence 201



WELD MESH (Galvanized + PVC Coated)

- Wire Outer Diameter: $\text{Ø}3.30 \text{ mm} \pm 0.05 \text{ mm}$
- Wire Inner Diameter: $\text{Ø}2.70 \text{ mm} \pm 0.05 \text{ mm}$
- Mesh Size: $50 \times 50 \text{ mm}$
- Coating: Galvanized + PVC Coated
- Fence Height: $2000 \text{ mm} \pm 1\%$



BARBED WIRE- GALVANIZED + PVC COATED

- Strand Wire Diameter: 2.10 mm
- Barb Wire Dia.: 1.80 mm
- Coating: Galvanized + PVC Coated
- Tensile Strength: $600-800 \text{ N/mm}^2$

TENSION WIRE- PVC Coated

- Outer Wire Diameter: $\text{Ø} 3.50 \text{ mm}$
- Core Wire Diameter: $\text{Ø} 2.50 \text{ mm}$
- Coating: Galvanized + PVC Coated
- Wire Strength: $35-50 \text{ kg/mm}^2$
- Rows: 4 lines



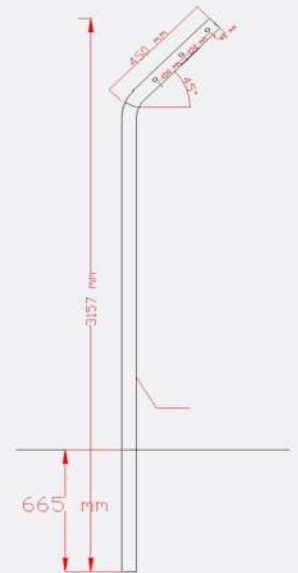
TIE WIRE - PVC Coated

- Outer Wire Diameter: $\text{Ø} 3.00 \text{ mm}$
- Core Wire Diameter: $\text{Ø} 2.10 \text{ mm}$
- Coating: Galvanized + PVC Coated
- Wire Strength: $35-50 \text{ kg/mm}^2$
- Quantity: 1 meter for every 1.00 liner meter



POST - HOT DIP GALVANIZED + POLY. COATED

- 1 piece at every 3.00 meter interval.
- Outer Dimension: \varnothing 60.00 mm
- Thickness: 2.00 mm +/- %10
- Standard: EN 10219-2
- Length: 3250 mm +/- 5 cm (2800 mm straight + 450 mm Bended Part)
- Coating : Pre Hot Dip Galvanized & Polyester Coated

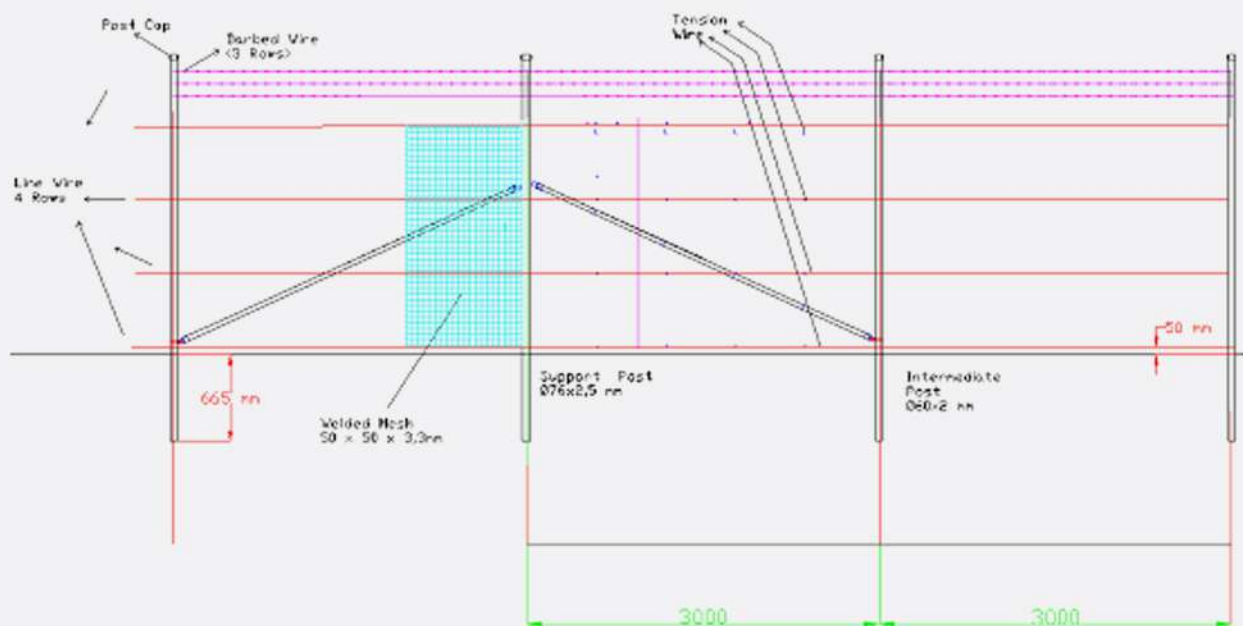


CORNER & STRAINING POST

- 1 pcs @t every 30.00 meter & @t Every Corner
- Outer Dimension: \varnothing 76.00 mm
- Thickness: 2.00 mm +/- %10
- Length: 3250 mm
- Standard: EN 10219-2
- Coupler: Galvanized Steel
- Coating : Pre Hot Dip Galvanized & Polyester Coated

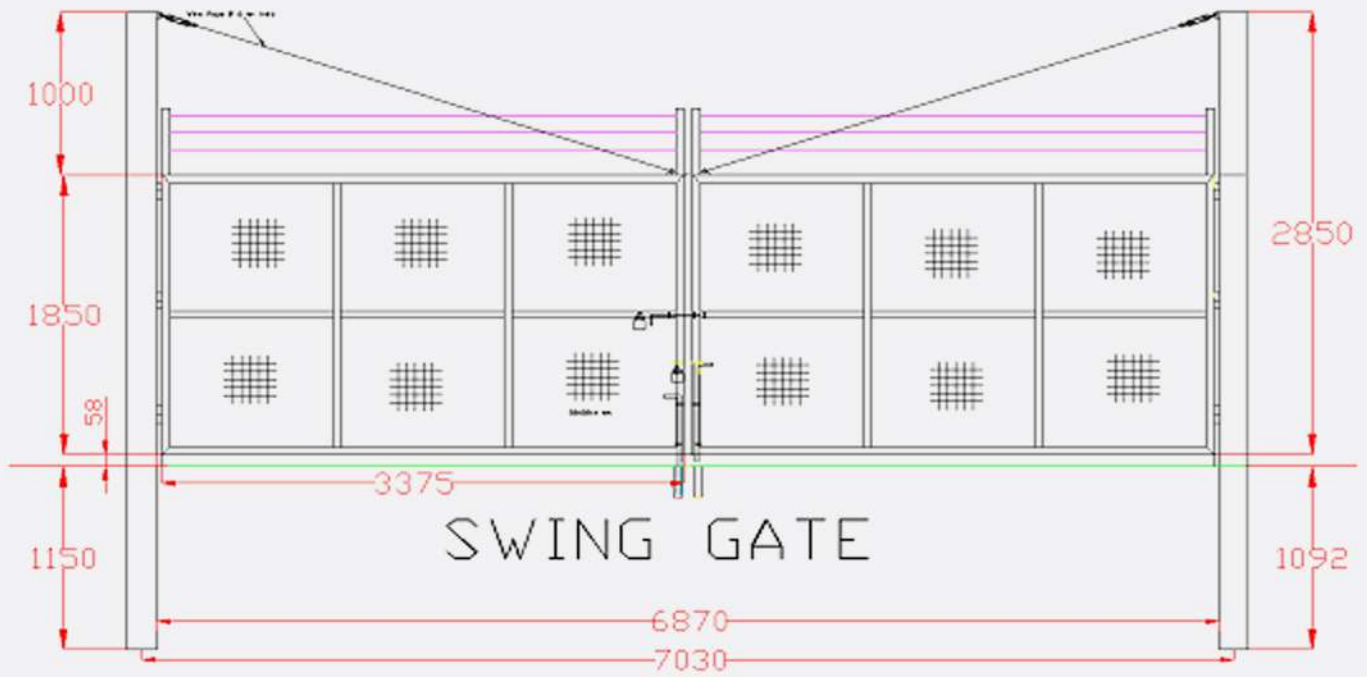
Brace - HOT DIP GALVANIZED + PVC COATED

- 2 pcs @ every 30.00 m & @ every Corner
- Outer Dimension: \varnothing 42.00 mm
- Thickness: 2.00 mm +/- %10
- Length: 2500 mm
- Standard: EN 10219-2
- Coupler: Galvanized Steel
- Coating : Pre Hot Dip Galvanized & Polyester Coated
- Fixed with Rail ends & round bands



DOUBLE SWING GATE - WELDED MESH

- Width: 7.00 meter
- Height: 2450 mm
- Infill: Welded Mesh 50x50x4mm
- Posts: 150x150x5mm
- Shaped Tubes: Ø48.00 x2,5mm
- Coating : Hot Dip Galvanized + Polyester Coated



Gabions



Gabions are rectangular wire mesh baskets filled with rock at the project site to form flexible, permeable, monolithic structures such as retaining walls for commercial, industrial and road projects. They are also used for erosion control, bank stabilization, channel linings and weirs..

Gabions Boxes are made out of following material:

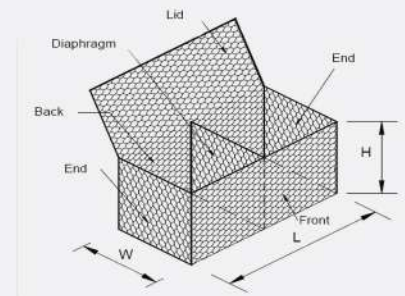
Zinc coated on wires as per EN10244-2

Tensile Strength/wire diameter/Gabion Meshes as per EN 10223-3

- Heavy galvanized MS wire
- PVC coated wire
- Galfan

Boxes:

- These are blocks made of gabion mesh, which can be filled on the site with rocks, stones, debris and crushed concrete.
- (Note: similar boxes can also be made out of welded wire mesh)



Mattresses:

- Mattresses out of gabions are used to provide protection on water courses.

Rock fall netting:

- As the name suggests, this kind of netting made out of gabion mesh finds application in preventing rocks and debris from spilling

Gabion sack:

- Used in controlling water flow.

Advantages Gabion mesh offers

- Has wide range of applications, but to name a few popular ones
- Exemplary modularity and ability to stack them in various shapes.
- Resistant to being washed away by moving water, reduces energy of the moving water.
- Self adjustment to moving ground.
- Gradually with time, as silt and vegetations grows, the roots and other natural growths bind the filling material more tightly



Applications

- Retaining wall structures
- Gabion revetments
- Canal and river walling
- Rock-fall protection
- Weir Structures
- Gabion fencing
- Coastal protection
- Protection of bridge and culverts

General Specifications

Mesh Size (mm)	Mesh Wire (mm)		Selvedge Wire (mm)		Length	Boxes Sizes In Meters	
						Width	Height
60 x 80	GI	2.00 2.20 2.40	GI	2.40 2.70	1.00 – 6.00	1.00 – 2.00	0.15 – 1.00
	GI + PVC	2.00/3.00 2.20/3.20 2.40/3.40	GI + PVC	2.40/3.40 2.70/3.70			
80 x 100	GI	2.40 2.70 3.00	GI	3.00 3.40 3.90	1.00 – 6.00	1.00 – 2.00	0.50 – 1.00
	GI + PVC	2.40/3.40 2.70/3.70 3.00/4.00	GI + PVC	3.00/4.00 3.40/4.40 3.90/4.90			
100 x 120	GI	2.40 2.70 3.00	GI	3.00 3.40 3.90	1.00 – 6.00	1.00 – 2.00	0.50 – 1.00
	GI + PVC	2.40/3.40 2.70/3.70 3.00/4.00	GI + PVC	3.00/4.00 3.40/4.40 3.90/4.90			

Notes: Partitions are at every 1 meter. Tie wire of GI (2.0 mm, 2.2 mm or 2.4 mm) or GI + PVC (2.0/3.0 mm, 2.2/3.2 mm, or 2.4/3.4 mm) coated, generally the quantity supplied is 5% of the box weight.

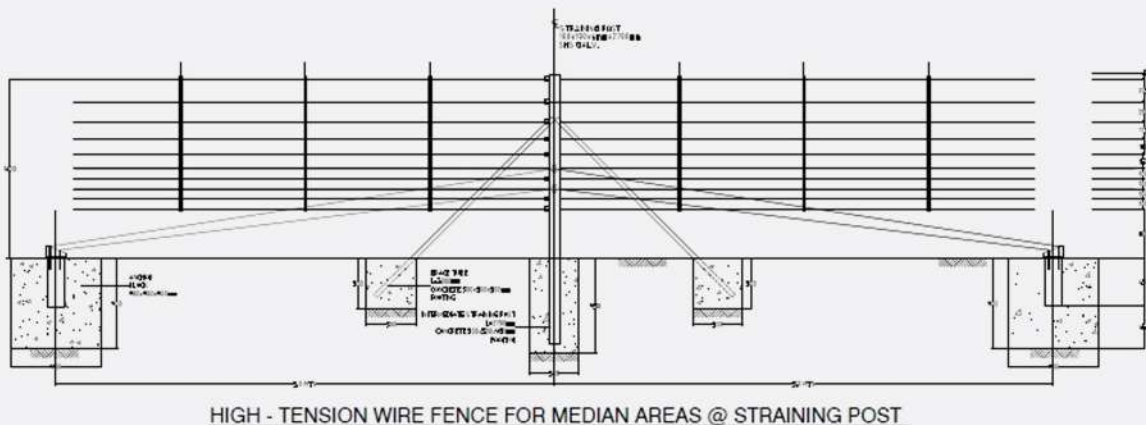
High Tensile Wire / Dropper Bar Fence



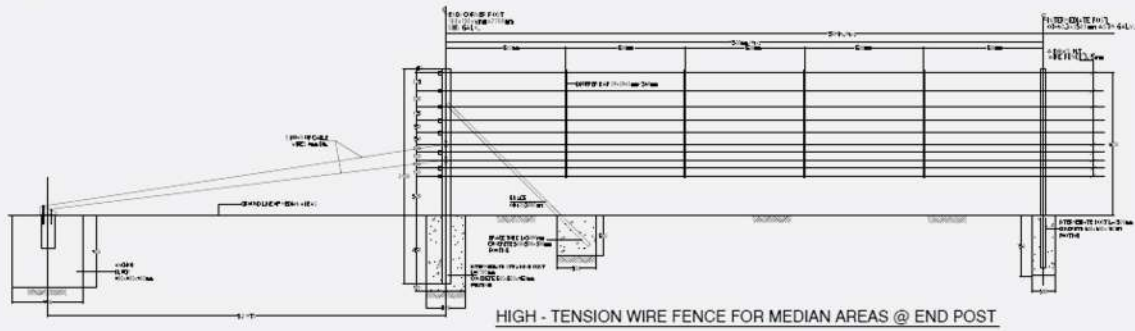
Galvanized High Tension Wire Fence widely used in, Express Ways, Railways, Agriculture and Breeding industry.

TAJWEED Dropper fencing is one of the first fencing systems TAJWEED ever produced. Our dropper design allows the fencing support and straining post centers to be extended. These increased post centers mean the quantities of posts that are required are reduced. This in turn brings down the cost, making TAJWEED Dropper fencing one of the most cost effective fencing systems to date. TAJWEED Dropper fencing consists of multiple high tensile line wires braced with TAJWEED Dropper bars. This style of fencing has proven very popular with many applications including Carriage and Motor Ways, Railway Infrastructure, the Great Parks, Farm/Cattle fencing, Deer parks, Animal parks and Camel fencing.

Some advantages of this type of fence include ease of handling, minimal maintenance, and high strength. High-Tensile wire fence can be easily electrified and will outlast most other fences. Building a high-tensile wire fence that will provide years of service requires proper construction techniques.

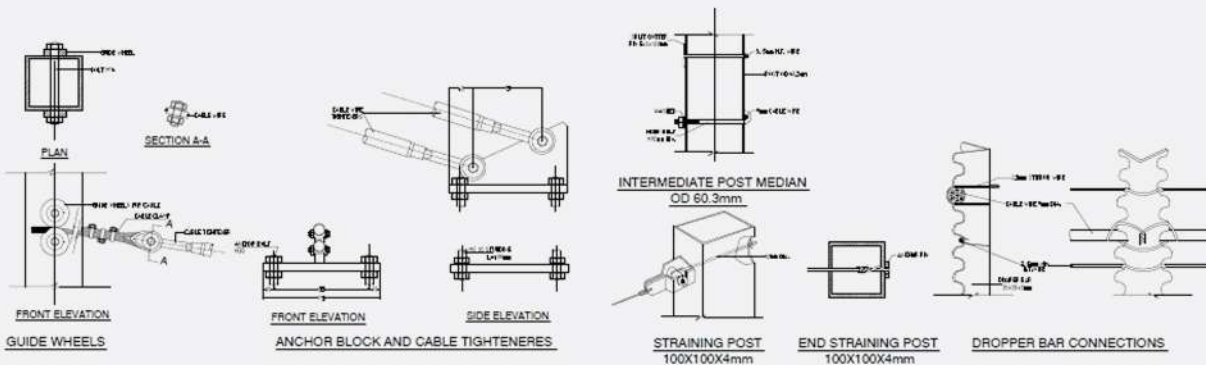


High Tensile Wire Fence



Why TAJWEED High Tensile / Dropper Bar Fencing is the Best Choice!

- TAJWEED high tensile fencing is lighter and stronger than conventional fence.
- TAJWEED high tensile fencing with class three coating has more than double the galvanization of ordinary fencing to last much longer.
- TAJWEED high tensile fencing is easier to install. Its lighter weight makes it easier to handle.
- TAJWEED high tensile fencing requires very little maintenance.
- TAJWEED high tensile fence is available with 14 wires / 9 wires / 8 wires + 1 Cable. Also we do customized design also.
- TAJWEED high tensile fence are conforming to the specification of Ministry of Transport / Saudi Railway of



Accessories



Ratchet Winder & Tub Bolt

Accessories



Applications

Railway Fence



Expressway Fence



Camel Fence



Agricultural Fence



Welded Panel Fence



Weld mesh is the term given to the kind of barrier fencing that is manufactured in square or rectangular mesh from steel wire, welded at each intersection. It is usually affixed to steel uprights. Anti Climb mesh (a version of weld mesh) is a high security weld mesh, with mesh aperture being smaller (typically: 75mm x 12.5mm). This mesh is ideal for high security sites, schools and industrial parks.

We have developed a complete in house ability to supply & manufacture a complete weld mesh fencing system – which would include supply of weld mesh fence panels, fabrication of posts, cover plates, cross bracings and horizontal supports, along with crank fabrication.



Property:

Welded wire mesh panels enjoy such properties as corrosion resistance, aging resistance, sunshine resistance and weather resistance.

Complete easy-to- Fences:

With mesh panels are the system solution which includes panels, posts and wickets, residential or industrial gates, filled with mesh panel. The modular structure of the mesh panels allows you to fit the line of the fence to different topographic layouts assemble system.

Double Surface Protection:



Double surface protection (DUPLEX system) gives it the high level of protection and guarantees long-term use. Fences with mesh panels may be also available only in the galvanized version, i.e. without polyester coating.

Colors:

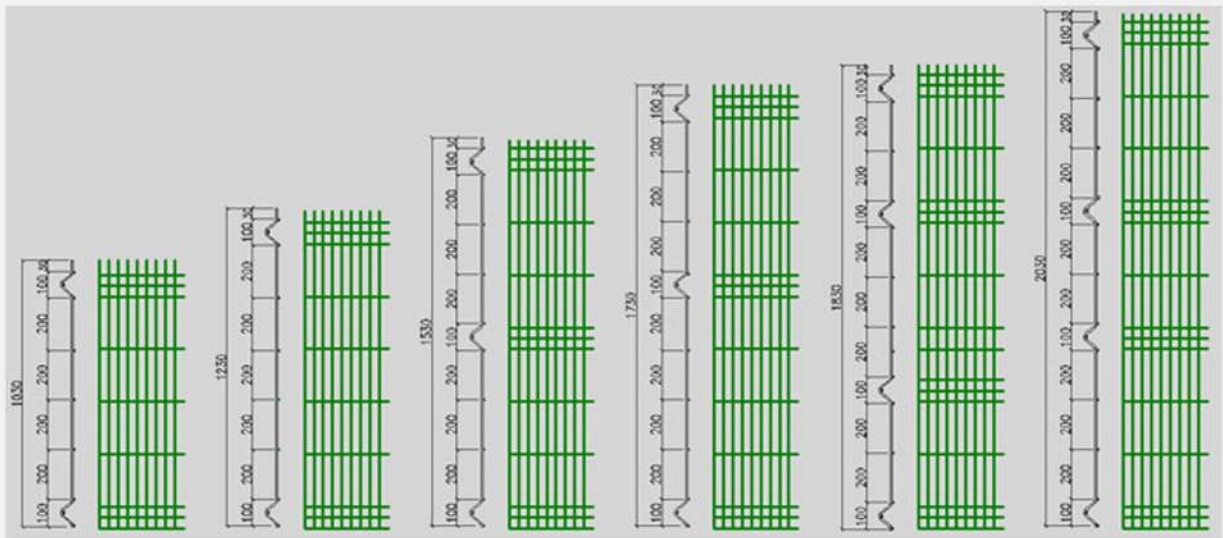
A wide range of colours allows you to fit colours of the fence to wood joinery or finish elements of the building.

The system of fences with mesh panel fences system mounted on the posts. Panel dimensions:

Height of the panel [mm]	Width of the panel [mm]	Length of the post [mm]	Section of the post		
			Alfa	Beta	Gamma
1030	2500	2	60 x 40	60 x 40	65 x 42
1230	2500	2	60 x 40	60 x 40	65 x 42
1530	2500	3	60 x 40	60 x 40	65 x 42
1730	2500	3	60 x 40	60 x 40	65 x 42
2030	2500	4	60 x 40	60 x 40	65 x 42
2230	2500	4	60 x 40	60 x 40	65 x 42
2430	2500	4	60 x 40	60 x 40	65 x 42

- Large meshes 50 x 200 [mm]
- Small meshes 50 x 50 [mm]
- Wire diameter 5 [mm]

The panel is pressure welded of single steel rods (horizontal and vertical). Bending keeps rigid and requires no additional frame support.



- Width of the panel: 2500 [mm]
- The panel topped on one side with vertical wires: 30 [mm]
- Size of large meshes: 50 x 200 [mm]
- Size of small meshes: 50 x 50 [mm]
- Diameter of the wire: 5 [mm]
- Height of the panel: 1030, 1230, 1530, 1730, 2030, 2230, 2430 [mm]



Weld Wire Fabric



Welded wire fabric, also called welded wire mesh, is a grid of metal wires contact-welded where they cross. While they may resemble the way fabric is woven, mechanically, they don't rely on a weave to stay together; they rely on the welded connection. There are two categories of welded wire fabric: the kind used for fencing and the kind used for concrete reinforcement.

Welded wire mesh fencing comes in a wide variety of designs, grid sizes, wire gauges, lengths and heights. The typical wire mesh fence is used as a non-permanent fence. For example, it might be used to fence in small dogs or to keep deer out of a garden. Where permanent residential fences tend to be high enough to obstruct the view of a standing person, wire fence tends to be low -- 3 or 4 feet -- and does not serve as a visual barrier. It is usually lighter in construction than the concrete reinforcement type.

Welded Mesh Panel is made of superior quality welded mesh, with flat even surface, firm structure, be used extensively in building, food, agriculture and so on.

Assortments available:

Stainless Steel Welded Mesh Panels
Galvanized Welded Mesh Panels
Hot-dip Zinc Plating Welded Mesh Panels

Types of Processing:

We can manufacture galvanized welded mesh panel in four major types. They are welded before galvanized, welded after galvanized, welded before hot-dip galvanized and welded after hot-dip galvanized.



Types of Processing:

Mesh Sizes: 25x25mm, 50x50mm, 75x75mm and 100x100mm;

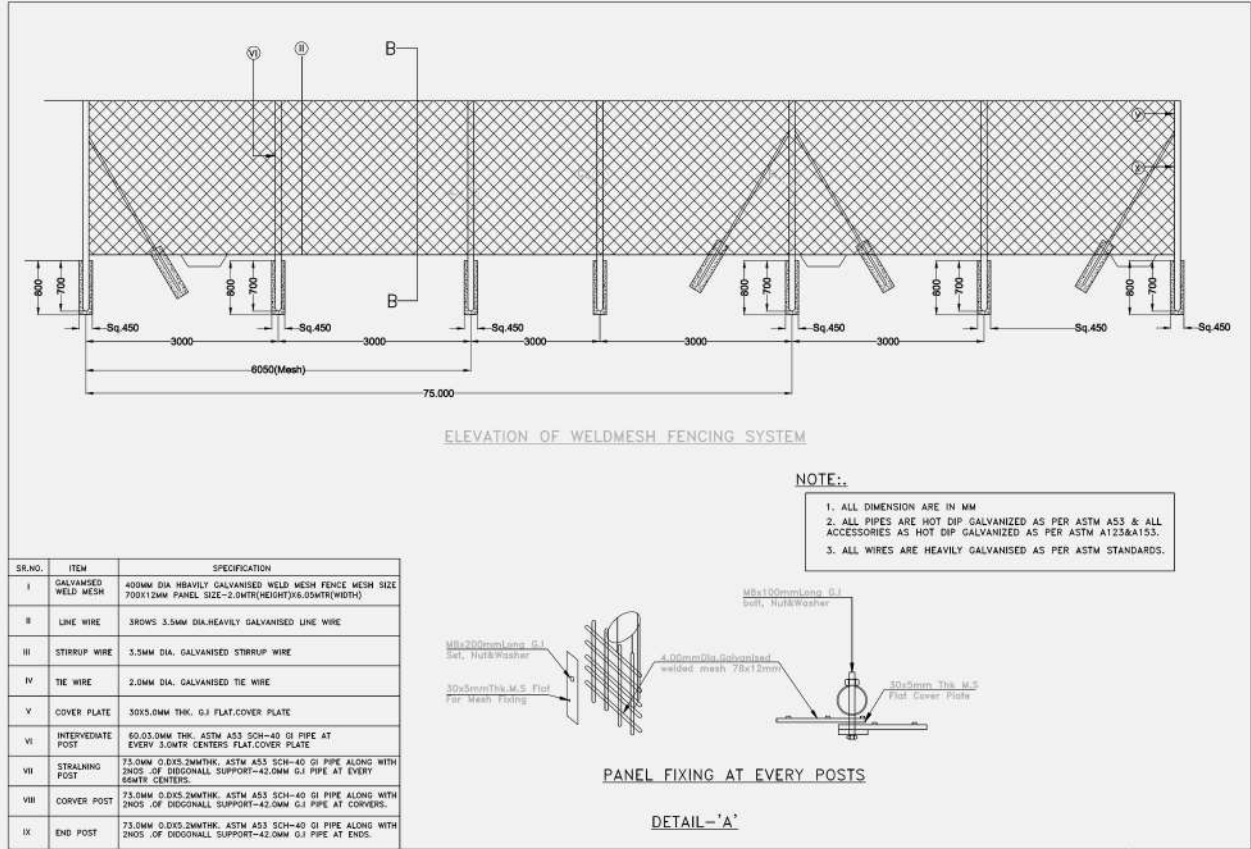
Wires Sizes: 2.5mm, 3.15mm, 4mm and 5mm;

Sheet Sizes: 1800x1200mm, 2400x1200m, 2400x1800mm and 3000x1800mm

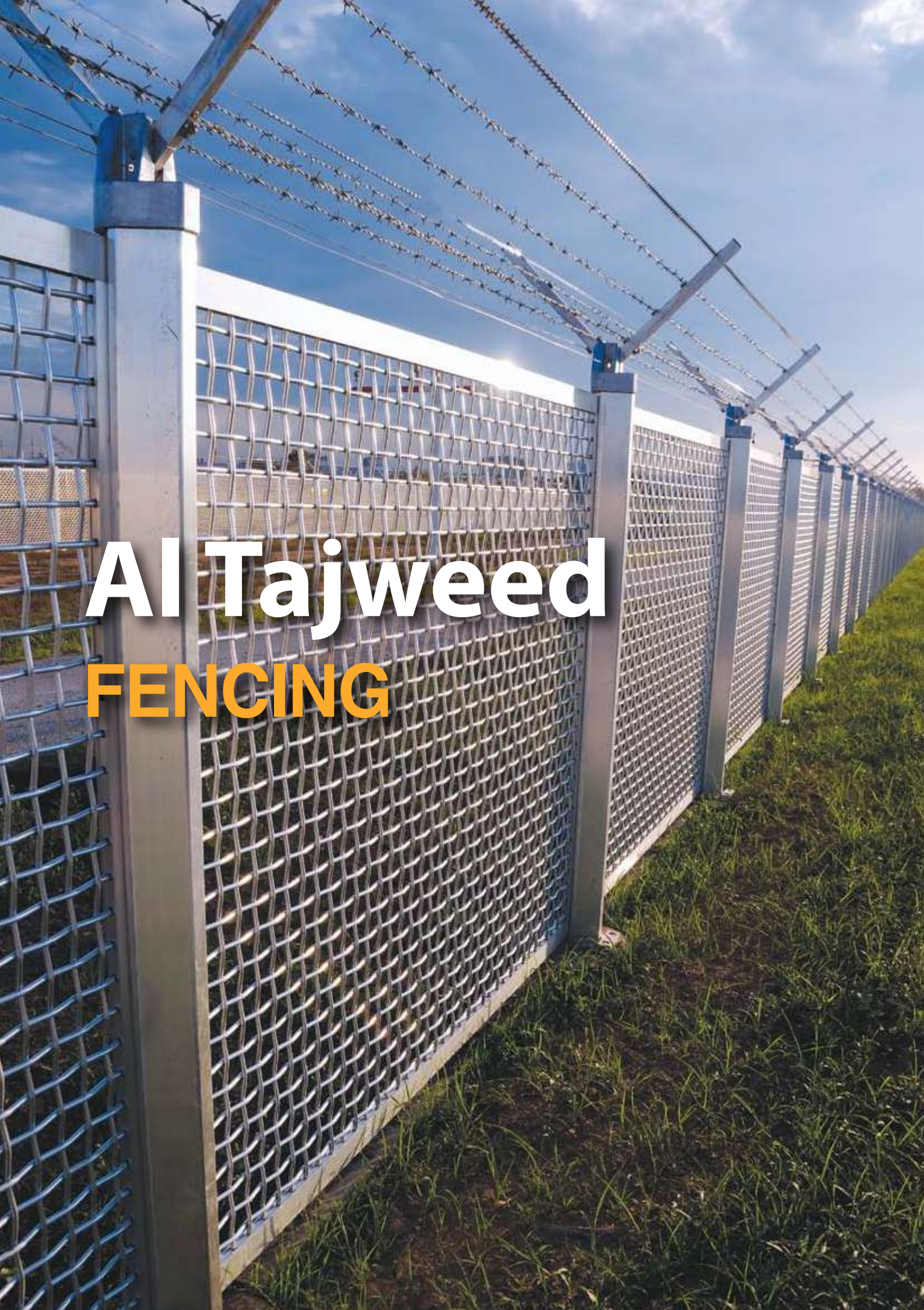
Property: Welded wire mesh panels enjoy such properties as corrosion resistance, aging resistance, sunshine resistance and weather resistance.

Application: Galvanized welded mesh panels with flat surface and firm structure are widely used in exhibitions, samples shelves, highways, railways, air ports, ports, docks, municipal construction, agriculture and breeding industry.

Weld Wire Fence

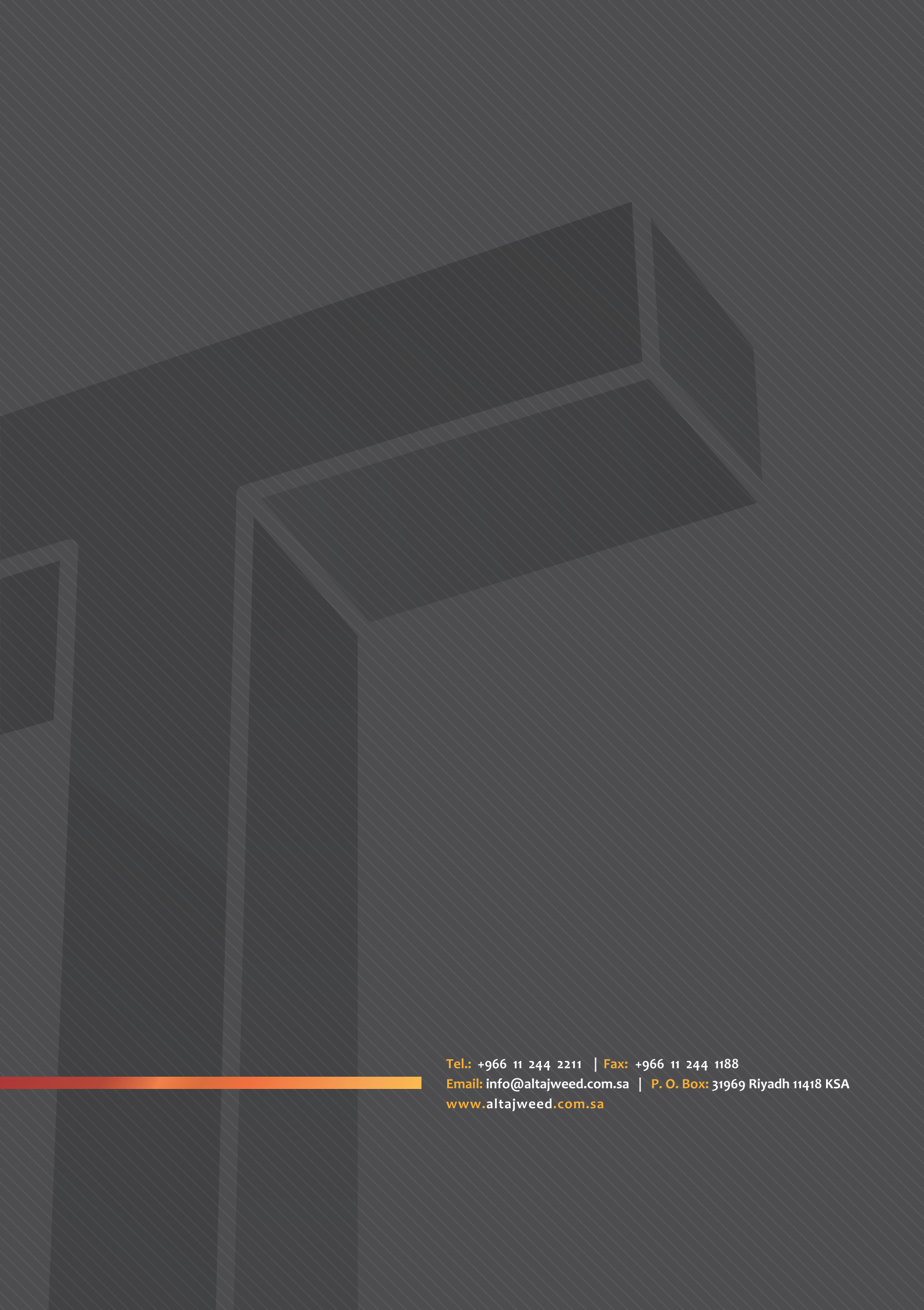


Wire Diameter	Opening	
	Inch	MM
1.5mm	1/2"x1/2"	12.7mmx12.7mm
2.0mm	1"x1"	25.4mmx25.4mm
3.0mm	1"x1"	25.4mmx25.4mm
3.0mm	1-1/4"x1-1/4"	31.7mmx31.7mm
4.0mm	1-1/2"x1-1/2"	38.1mmx38.1mm
4.0mm	1-1/2"x1-1/2"	38.1mmx38.1mm
4.0mm	1-1/2"x1-1/2"	38.1mmx38.1mm
2.0mm	2"x2"	50.8mmx50.8mm
3.0mm	2"x2"	50.8mmx50.8mm
3.0mm	2"x2"	50.8mmx50.8mm
4.0mm	2"x2"	50.8mmx50.8mm
4.0mm	2"x2"	50.8mmx50.8mm
4.0mm	2"x2"	50.8mmx50.8mm
4.0mm	2"x2"	50.8mmx50.8mm
4.0mm	2"x2"	50.8mmx50.8mm
5.0mm	2"x2"	50.8mmx50.8mm
5.0mm	2"x2"	50.8mmx50.8mm
6.0mm	4"x2"	101.6mmx50.8mm
6.0mm	4"x4"	101.6mmx101.6mm



Al Tajweed FENCING





Tel.: +966 11 244 2211 | Fax: +966 11 244 1188
Email: info@altajweed.com.sa | P. O. Box: 31969 Riyadh 11418 KSA
www.altajweed.com.sa