

Metal Products

Pc Strand Wire

Chain Link Wire Mesh

Welded Mesh Fence

Anti Climb Fence

Razor Wire

Temporary Fence

Crowd Control Barrier

Gates



DD-FENCE
www.dd-fence.com

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PC Strand Wire

Common sizes: 9.3mm,9.6,12.5, 12.7, 12.9, 11.11, 11.3, 15.24 and 15.7mm

Raw Materials: High-carbon steel wire rods, SWRH 82B

Processing: Continuous drawing by means of big reduction of area,twist, stabilizing treatment

Features:High tensile strength, low relaxation, stable modulus of elasticity, stress-relieved, firm connection with concrete, low stress, stable construction, good combination with steel reinforced concrete; saving material, reducing distortion and construction weight, increasing the abrasion resistance, water resistance, stiffness.



Technical standards: GB/T 52233, GB/T 5224,ASTM A-416, BS 5896,JIS G3536.

PC strand can also be supplied in various forms for pre- or post-tensioning applications, with plain or galvanized material ranging from 3 wires, 7 Wires,19 wire and compacted construction.



Each Coil is Strapped by steel bands at 8 places, fully wrapped with anti-rust plastic & P/P woven



Sheet with pallet and strapped again by steel bands at 6 places.



Widely used in pre-tension or post tension for concrete construction as building material. Used in upper plate of bridges.Used as floor and roof reinforcement for sports stadiums. PC panel, high pressure concrete water

pipes, marines Structures, towers and runways.Used for multi storey industrial/commercial/residential buildings, stadiums, coal mines and tunnels etc.

Technical Parameters

Standard	Nominal diameter	Tensile Strength	Yielding load	Elongation	Relaxation Value		Theoretical weight per KM
	mm	Mpa	KN	L0≥500mm	Initiate loads maximum nominal load*100%	Relaxation Value 1000 hours no more than	Kg
						Class II	
GBT 5224-2008	12.70	1660	166.0	3.5	70	2.5	775
	15.20	1660	260.0	3.5	80	4.5	1101
	17.80	1660	353.0	3.5	80	4.5	1500
ASTM416-06	11.11	1660	138	3.5	70	2.5	582
	12.70	1660	184	3.5	70	2.5	775
	15.24	1660	261	3.5	70	2.5	1102
BS5896-1980	9.30	1660	92.0	3.5	80	2.5	408
	11.00	1660	125.0	3.5	80	2.5	557
	12.50	1660	164.0	3.5	80	2.5	730
	15.20	1660	232.0	3.5	80	2.5	1090
ISO6934-1991	9.50	1660	86.6	3.5	70	2.5	430
	11.10	1660	117.0	3.5	70	2.5	582
	12.70	1660	156.0	3.5	70	2.5	775
	15.20	1660	220.0	3.5	70	4.5	1101



we attach great importance to the development of pre stressing products. we have been a part of many social technical associations to accelrate the production and

promotion of the pre stressing products. At present we can manufacture many types of products according to G/B5224-2003 ASTM A416,BS5896,ASTM A421.....

Chain Link Wire Mesh Fence

Mesh A Rolls-Galvanized

Mesh A T1	Mesh A T2	Mesh A T3	Mesh A T4	Mesh A T5	Height	Length	Wire Thickness	Post Height	Edge Style
 50x50	 55x55	 60x60	 65x65	 75x75	1200	10m	2.50	1500	Twist Or Knuckle
					1500				
					1800				
					2000				
					2100				
					2400				
3000	15m	3.00	1900						
	18m	3.55	2300						
	20m		2500						
	25m		2700						
	30m		3000						
			3800						

Mesh B Rolls-Pre galvanized+Plastic coated

Mesh B T1	Mesh B T2	Mesh B T3	Mesh B T4	Mesh B T5	Height	Length	Wire Thickness	Post Height	Edge Style
 50x50	 55x55	 60x60	 65x65	 75x75	1200	10m	1.90/2.65	1500	Twist Or Knuckle
					1500				
					1800				
					2000				
					2100				
					2400				
3000	15m	1.70/2.50	1900						
	18m	2.24/3.15	2300						
	20m	2.50/3.55	2500						
	25m	3.0/4.0	2700						
	30m	3.55/4.75	3000						
			3800						

Production Type For Mesh

Twist-Twist	Knuckle-Knuckle	Knuckle-Twist	Twist-Knuckle
Note: 1. Mesh size is available as per client's customize; 2. The height and length of each rolls is available as per the client's request; 3. All dimensions can be customized as per the client's request. Reference Standard:ASTM A392, ASTM F567, F1345 F1916; BS1722-1; EN10223-6			



Packing

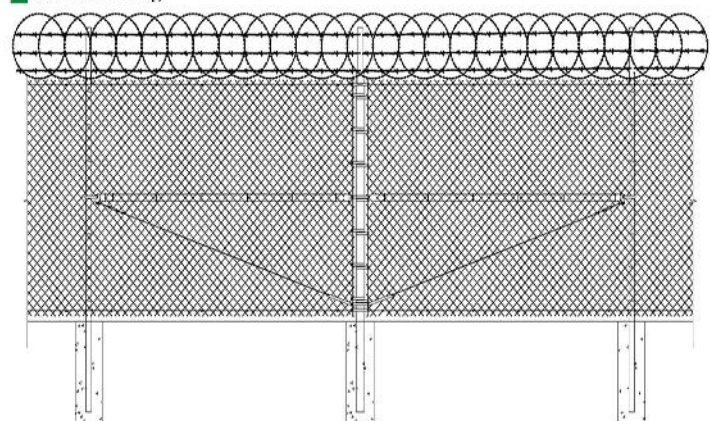


Note:

*Mesh Rolls-In bulk or Steel Pallet.
*Post-Wrapped with PP bags. then put on pallet, wrapped with plastic film.

*Accessories-Carton box.
*Customized packing is available.

CAD Drawing



Welded Mesh Fence

Panels:

The Panel is welded with high quality pre-galvanized wires (Q195-Q235), then with powder coated, Several V Curves are positioned on the panels to enhance the level of rigidity; DD-Fence offer 3 main styles of panels.

Mesh Panel

Mesh-A-T1	Mesh-A-T2	Mesh-A-T3	Height	Width	Line Wire x Cross Wire	Nos.of Curves	Post Length	Nos.of brackets
			1230	2500/2750/3000	4.0x4.0 4.0x4.5 4.0x5.0 4.5x4.5 4.5x5.0	2	1600	3
			1530	2500/2750/3000		3	2000	3
			1730	2500/2750/3000		3	2200	4
			2030	2500/2750/3000		4	2500	4
			2230	2500/2750/3000		4	2800	4
			2430	2500/2750/3000		4	3000	5
			3030	2250/2500		6	4000	6

Mesh-B-T1	Mesh-B-T2	Mesh-B-T3	Height	Width	Line Wire x Cross Wire	Nos.of Curves	Post Length	Nos.of brackets
			1230	2500/2750/3000	4.0x4.0 4.0x4.5 4.0x5.0 4.5x4.5 4.5x5.0	2	1600	3
			1530	2500/2750/3000		3	2000	3
			1730	2500/2750/3000		3	2200	4
			2030	2500/2750/3000		4	2500	4
			2230	2500/2750/3000		4	2800	4
			2430	2500/2750/3000		4	3000	5
			3030	2250/2500		6	4000	6

Mesh-C-T1	Mesh-C-T2	Mesh-C-T3	Height	Width	Line Wire x Cross Wire	Nos.of Curves	Post Length	Nos.of brackets
			1230	2500/2750/3000	4.0x4.0 4.0x4.5 4.0x5.0 4.5x4.5 4.5x5.0	2	1600	3
			1530	2500/2750/3000		3	2000	3
			1730	2500/2750/3000		3	2200	4
			2030	2500/2750/3000		4	2500	4
			2230	2500/2750/3000		4	2800	4
			2430	2500/2750/3000		4	3000	5
			3030	2250/2500		6	4000	6

Note:
 1. Mesh size above all based on center to center, and inside to inside is also possible considering the cost issue.
 2. Additional wires at panel both sides for installation purpose. Additional wire at curve section for rigid purpose.
 3. The curve size is available to revise to match the P2-Peach post. Panel Type B are only available for P1-SHS and P5-CHS post.
 4. Hot dipped galvanized panels and post finish without coating is also available for special projects.
 5. Customized Production is available as per the client's request.
 Reference Standard: ASTM F2453, BS1722-10, BS1722-14, EN 10244-2, EN 10244-7

Anti Climb Fence

Mesh Panel 3D

Mesh-A-T1	Mesh-A-T2	Mesh-A-T3	Height	Width	Wire Dia. Line Wire x Cross Wire	Nos.of Curves	Post Length	Nos.of brackets
			1800	2500/2750/3000	3.0x4.0 3.2x4.0 3.4x4.0 4.0x4.0	3	2400	6
			2000	2500/2750/3000		4	2600	7
			2200	2500/2750/3000		4	2800	8
			2400	2500/2750/3000		4	3000	9
			2700	2200/2300		5	3500	10
			3000	2200/2300		5	4000	12
			4000	2200/2300		5	5200	14

Mesh Panel 2D

Mesh-B-T1	Mesh-B-T2	Mesh-B-T3	Height	Width	Wire Dia. Line Wire x Cross Wire	Post Length	Nos.of brackets
			2100	2500/2750/3000	3.0x4.0 4.0x4.0 4.0x5.0	2700	7
			2200	2500/2750/3000		2800	8
			2400	2500/2750/3000		3000	9
			2700	2200/2300		3700	10
			3000	2200/2300		4000	11
			3600	2200/2300		4800	12
			4000	2200/2300		5200	14

Mesh Panel 2D-Plus

Mesh-B-T1	Mesh-B-T2	Mesh-B-T3	Height	Width	Wire Dia. Line Wire x Cross Wire	Post Length	Nos.of brackets
			2400	2750/3000	3.8x4.8x3.8 4.0x6.0x4.0	3000	9
			2700	2200/2300		3700	10
			3000	2200/2300		4000	11
			3600	2200/2300		4800	12
			4000	2200/2300		5200	14

Note:
 1. All the mesh size is based on center to center.
 2. The wire thickness, mesh size and panel size could be also customized as per the client's request.
 3. The post length have been considered the length in depth which
 4. Extra parts of panels could be concrete in cement beam block on anti dug pupose.
 Reference Standard: BS1722-14, EN 10244-7

Packing

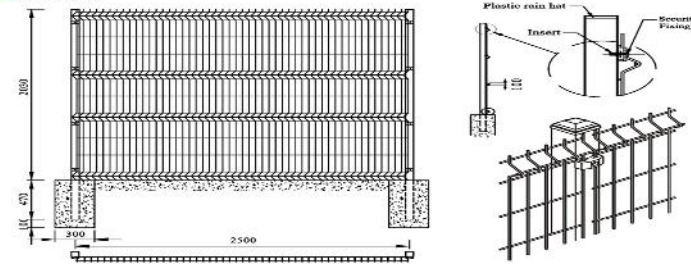


Note:
 *Panel-Metal Pallet wrapped with cardboard plate and then wrapped with Plastic film.
 *Post-Wrapped with PP bags, then put on pallet, wrapped with plastic film.
 *Accessories-Carton Box. Customized packing is available.

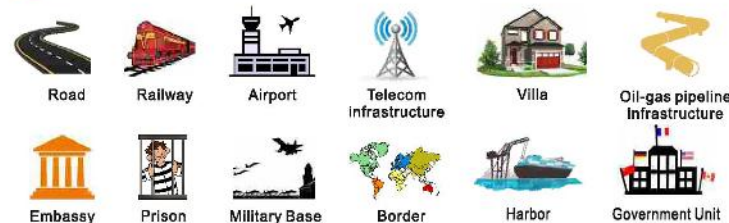
Use



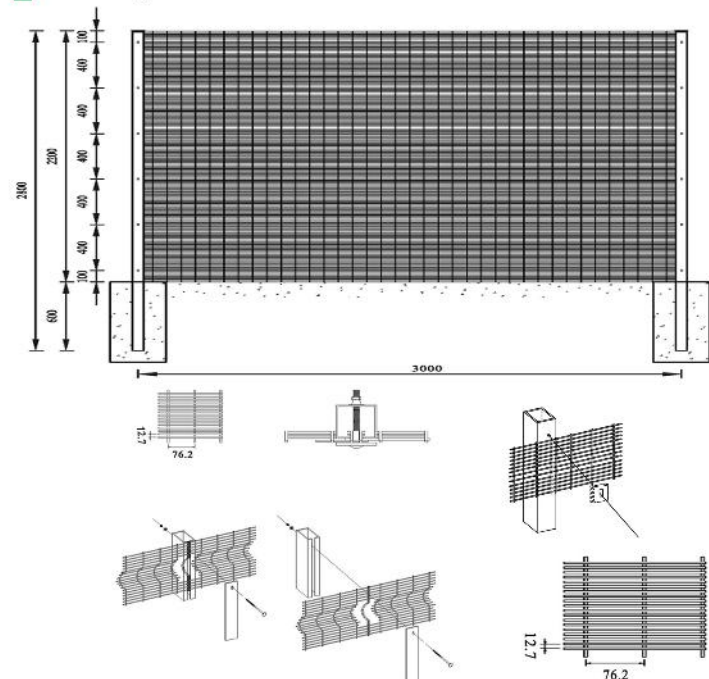
CAD Drawing



Use



CAD 3D Drawing



Razor Wire

General

Razor Blade Type Specification

Reference Number	Blade Style	Blade Thickness (mm)	Wire Dia(mm)	Barb Length(mm)	Barb Width(mm)	Barb Spacing(mm)
BTO-12		0.5±0.05	2.5±0.1	12±1	15±1	26±1
BTO-15		0.5±0.05	2.5±0.1	15±1	15±1	33±1
BTO-22		0.5±0.05	2.5±0.1	22±1	15±1	34±1
BTO-30		0.5±0.05	2.5±0.1	30±1	18±1	45±1
CBT-25		0.5±0.05	2.5±0.1	25±1	16±1	40±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

- Note:**
- The blade thickness and the core wire diameter could be produced as per the client request. Blade thickness ranged from 0.3mm to 0.6mm and core wire thickness ranged from 2.2-2.8mm.
 - Inside core wire is high carbon steel TS 1440-1560N/mm².
 - Materials could be not dipped galvanized and stainless steel 430, 304, 316, 316 L.
 - Polyester powder coated finish also available on the galvanized surface, color normally red, yellow special use for the vessel in the sea.
 - Special requirement also available as per request. Reference Standard: ASTM F1910

USE Type B-Razor mesh

Mesh Size	Blade type	Length(mm)	Height(mm)
75 x 150	BTO-12,22,30	6000	1800 2100 2400 3000
150 x 300	BTO-12,22,30	6000	1800 2100 2400 3000

- Note:**
- Normal post should be considered when do the installation.
 - Standard Packing: 6 pcs per roll, both ends wrapped with metal strip.
 - Zinc coating for blade: 200-275g/sqm; for core wire 120-150g/sqm, welding point with zinc spray.

USE Type C-Flatwrap

OD	Blade type	Length per roll(m)
600	BTO-12,22	10 15
750	BTO-12,22	10 15
900	BTO-12,22	10 15

Note:

- Tension wire and tie wire should be considered when do installation.
- Available outside diameter range from 450mm-1000mm.

Temporary Fence

Mesh Panel-Welded Mesh Infilled

Mesh-A-T1	Mesh-A-T2	Mesh-A-T3	Height	Width	wire Thickness	Frame Size	Frame Thickness
			1800 2000 2100	2400 3000 3500	3.0 3.5 3.7 4.0	∅25 ∅32 ∅38 ∅42	1.2-2.0
75x75	60x150	75x250					

Mesh Panel-Chain Link Mesh Infilled

Mesh-B-T1	Mesh-B-T2	Mesh-B-T3	Height	Width	wire Thickness	Frame Size	Frame Thickness
			1800 2100	2400 3000	2.5 3.0 3.2 3.8	∅25 ∅32 ∅38 ∅42	1.2-2.0
50x50	60x60	75x75					

Mesh Panel-SHS Tube Frame

Mesh-C-T1	Mesh-C-T2	Mesh-C-T3	Height	Width	wire Thickness	Outsize Frame	Middle brace	Frame Thickness
			4ft 6ft 8ft	8ft 9.5ft 10ft	3.5 4.0	25x25 30x30	20x20 25x25 20x40	1.5mm 2.0mm
50x50	50x100	50x150						

Base Block(for Type 1-2)

Section View	B1-Cement Infilled	B2-Water Infilled	B3-Steel Plate	B4-Steel Pipe
Size	560x200x130x1.5	600x210x170x1.5	600x185x8.0	600x400x2.0
LxWxHxT				

Use Type A-Concertina razor wire single coil or crossed type

Standard Production Type

Outside Diameter	No. of Loops	Standard Length per Coil	Type	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
450mm	56	8-9M	BTO-12.15.22.30	Cross type
500mm	56	9-10M	BTO-12.15.22.30	Cross type
600mm	56	10-11M	BTO-12.15.22.30	Cross type
600mm	56	8-10M	BTO-12.15.22.30	Cross type
700mm	56	10-12M	BTO-12.15.22.30	Cross type
800mm	56	11-13M	BTO-12.15.22.30	Cross type
900mm	56	12-14M	BTO-12.15.22.30	Cross type
960mm	56	13-15M	BTO-12.15.22.30	Cross type
980mm	56	14-16M	BTO-12.15.22.30	Cross type

- Note:**
- The outside diameter, number of loops per coil can be produced on request.
 - CBT series can be with clips as per crossed type, BTO series can be without clips as per single coil.
 - Normally Carton Box Packing is available for single coil production type.
 - Normally single packing for crossed type: inside is water proof paper and outside is woven strip.
 - Pallet or bundles packing is available as per request.

Fittings

No.	Design	Size	Materials	Product Image
DD-F-001		12x20x1.5mm	Steel/SS304	
DD-F-002		14x28x1.5mm	Steel/SS304	
DD-F-003		150x120x4.0mm	Steel/SS304	

- Note:**
- *Concertina razor wire-Single coil: Carton Packing; Concertina razor wire crossed type: In bundles or pallet.
 - *Razor mesh: In rolls and in steel pallet or steel gabion box.
 - *Razor wire flat wrap: In rolls and then wrapped with woven bags.
 - *Accessories-Carton box.

Use



Base Block(For Type 3)

Section View	B5-Steel Plate	B6-Steel Plate
Size	760x120x6.0	870x100x6.0
LxWxHxT		

Stay

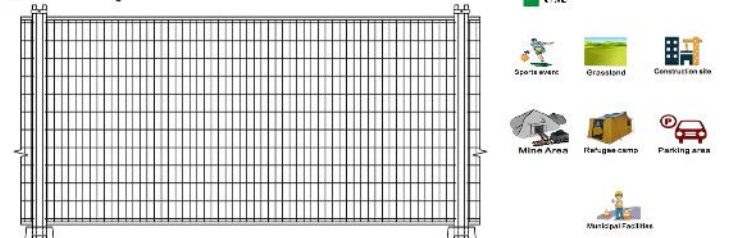
Section View	S1-For Type1 & 2	S2-For Type 3
Size		

Surface Treatment

ITEM	ST1	ST2*	ST3	ST4
Mesh	PRE-EDG+PP	PRE-HDG+PP	PRE-GALFAN+PP	HDG/GALFAN
Frame		PRE-HDG+PP*		HDG

- Note:**
- 1.PP: Polyester powder coated; EDG: Electric dip galvanized; HDG: Hot dip galvanized.
 2. ST2 HDG, zinc coating have 3 classes (Class one: 40-60/sqm; Class two: 80-100/sqm; Class three: 200-300/sqm).
 3. ST3 GALFAN, zinc aluminum (95%ZN5%AL).
 4. ST4 HDG, zinc layer thickness 75-100um.

CAD Drawing



Crowd Control Barrier

Panel-Welded Foot

Type-A-T1	Type-A-T2	Type-A-T3	Height	Width	Frame Pipe Size	Infilled Pipe Size	Wall Thickness	Infilled Pipe Spacing
			1100	2000 2100 2400 2500	25 32 38 42	14 16 19 25	Frame Pipe Size: 1.5-2.0mm Infilled Pipe Size: 0.9-1.5mm	125mm 132mm

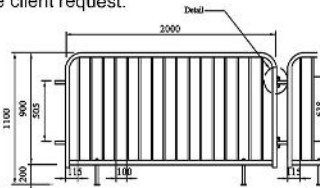
Panel-Bolted Foot

Type-B-T1	Type-B-T2	Type-B-T3	Height	Width	Frame Pipe Size	Infilled Pipe Size	Wall Thickness	Infilled Pipe Spacing
			1100	2000 2100 2400 2500	25 32 38 42	14 16 19 25	Frame Pipe Size: 1.5-2.0mm Infilled Pipe Size: 0.9-1.5mm	125mm 132mm

Note:

- The frame and infilled pipe sizes, wall thickness can be made as per the client's request. The fence height width, and the infilled pipe spacing can be also make as per the client's request.
- Welded mesh, chain link mesh, solid steel bar infilled is also available as per the client's request.
- Horizontal pipe infilled also available as per the client's request.
- Bottom wheel could be also offered and designed specially as per the client's request.
- Middle mark plate is also available as per the client request.

Use



Fittings:(Steel clamps and screws)

No.	Design	Size	Materials	Product Image
DD-F-001		150x300x3.0mm	Steel	
DD-F-002		M4.8x15	Steel	
DD-F-003		M6x50	Steel	

Surface Treatment

ITEM	ST1	ST2*	ST3
Panel	Mild Steel+PP	PRE-HDG-PP	HDG

Note: 1, PP: Polyester powder coated; HDG: Hot dip galvanized;
2, ST2 PRE-HDG, zinc coating have 3 classes (Class three :40-60g/sqm; Class two:80-100g/sqm; Class one :200-300g/sqm);
3, ST3 HDG, zinc layer thickness 75-100um.

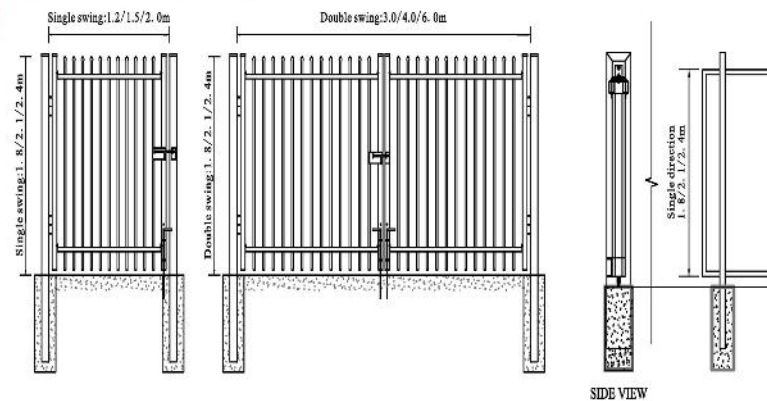


Manual And Automatic Gates

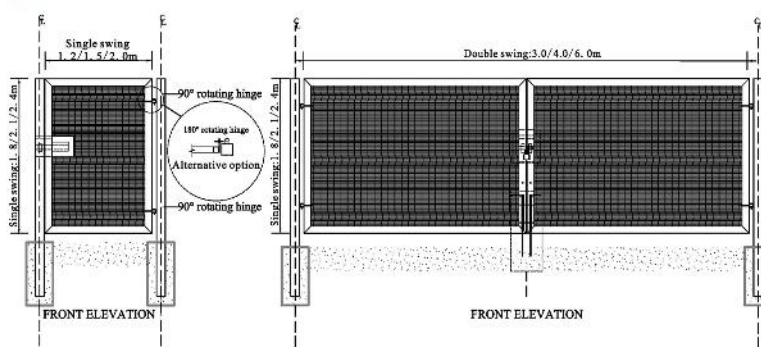
DD-Gate

Gate Type	Opening Way	Opening	Height	Infilled	Accessories	Finish	Operation
Swing Gate	Single Swing	1.2m	1.8m	Chain link mesh Panel mesh Tubular W or D section pales	Lock & gate latch system; Hinge system; Ground plug system; Extension system	As per Fence	Manual or automatic
		1.5m	2.1m				
		2.0m	2.4m				
	Double Swing	3.0m	1.8m	Chain link mesh Panel mesh Tubular W or D section pales	Lock & gate latch system; Hinge system; Ground plug system; Extension system	As per Fence	Manual or automatic
		4.0m	2.1m				
		6.0m	2.4m				
Sliding Gate	Single Direction	4.0m	1.8m	Chain link mesh Panel mesh Tubular W or D section pales	Wheel, track, End stopper, Guide wheel, Steel gear rack, Nylon guide roller, Nylon Roller bracket or frame post; Gate latch and lock system; Motor and remote	As per Fence	Automatic
		6.0m	2.1m				
		8.0m	2.4m				
	Double Direction	6.0m	1.8m	Chain link mesh Panel mesh Tubular W or D section pales	Wheel, track, End stopper, Guide wheel, Steel gear rack, Nylon guide roller, Nylon Roller bracket or frame post; Gate latch and lock system; Motor and remote	As per Fence	Automatic
		8.0m	2.1m				
		10.0m	2.4m				

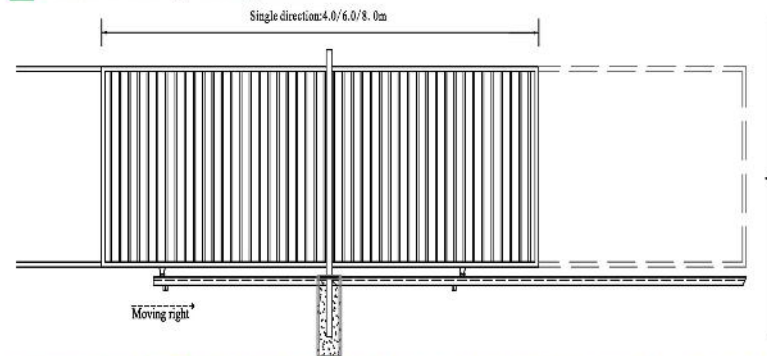
CAD Drawing-Swing Gate



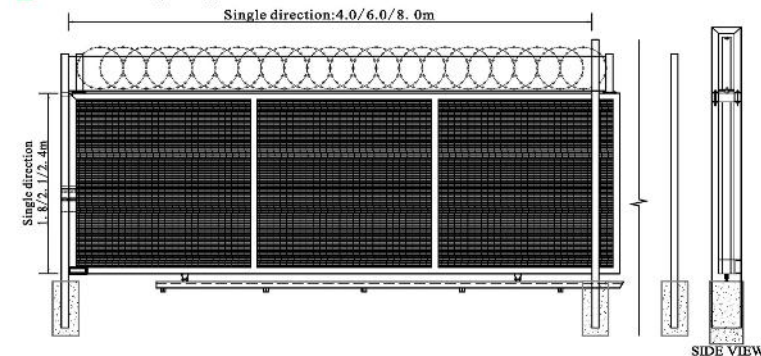
DD-CAD Drawing-Swing Gate



CAD Drawing-Swing Gate



DD-CAD Drawing-Sliding Gate



OUR PROJECT:

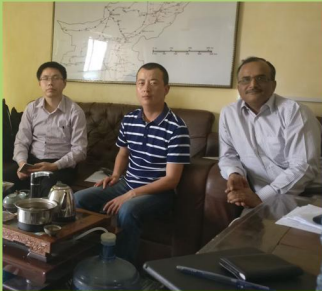
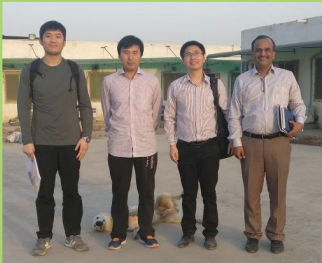
Supply of Chain Link Wire Mesh Fence at Multan Sakhur Motorway CSCEC – PKM- SECTION – 5 & 6

Contractor:China State Construction Engineering Corporation China. Consultant: SMEC JV.EGC, NDC, IAC, ACE, ECSP, TRS

*Fateh Pur RD604+00 to RD610+800 = 6.8KM Section-5

*Uch Sharif RD659+00 to RD674+300 = 15.3KM Section-6.1

*Khair Pur Daha RD674+300 to RD685= 10.7KM Section 6.3



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