



WANZHI STEEL

Steel Wire & Wire Mesh

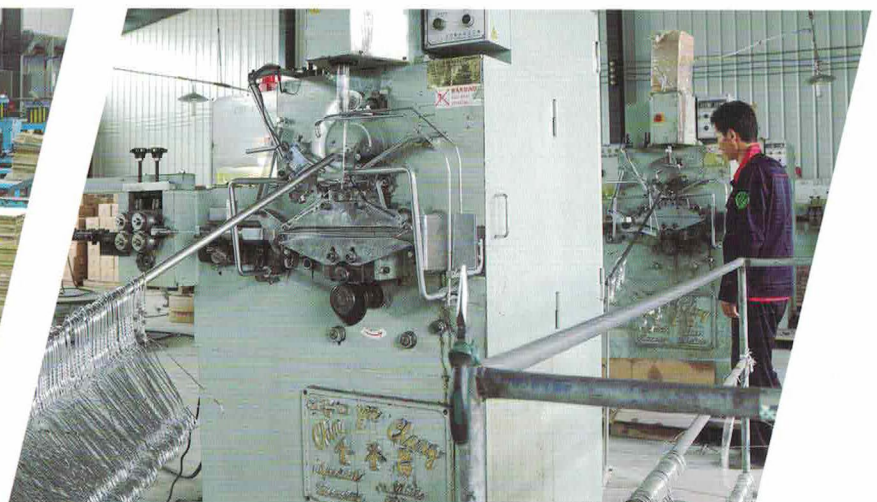
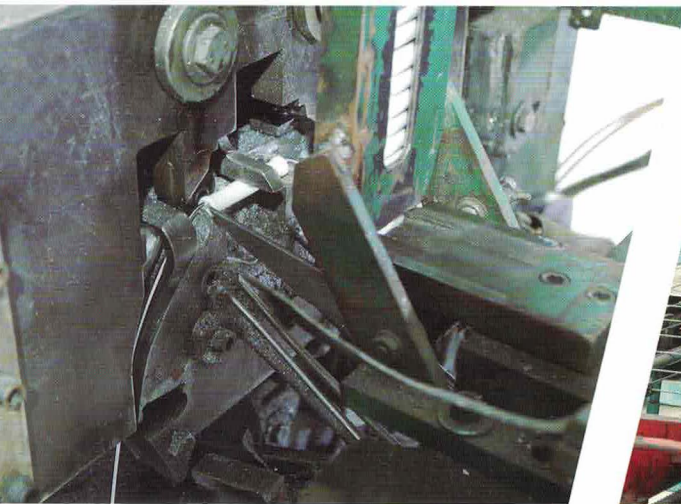
—— 万智 · 集团 ——

WANZHI GROUP

Workshop

生产车间 >>>







Electro Galvanized Wire

电镀锌丝 >>>

电镀锌丝采用精选优质 Q195,Q235 低碳钢材经过先进的设备进行拉拔 - 退火 - 酸洗 - 镀锌而成。色泽光亮，防锈耐腐蚀。广泛用于农业，建筑，丝网制造行业。

我们生产的电镀锌丝亮度好，软硬适中。丝径范围较广可以从 0.25mm 做到 5.0mm。盘重范围 0.3 公斤 --1000 公斤每卷。由于我公司技术人员的研究，上锌量达到 25g/m²，这无疑可以起到更好的防锈防污抗氧化的作用，在同行业中遥遥领先。

Electro galvanized wire is made from high quality low carbon steel Q195 and Q235, through the process of drawing, annealing, acid washing and galvanizing. It has a bright surface and a good corrosion resistance, widely used in agriculture, building, construction and wire mesh industries.

The electro galvanized wire we produced has better shining surface and the good hardness. The wire diameter ranges from 0.25mm to 5.0mm, usually goes in 0.3kg-1000kg per coil. After years of experimenting, we've improved the coating zinc quantity to 25g/m², which is very high comparing with other companies in the market, which leads to better corrosion and oxidation resistance.

Physical Properties

Tensile strength	350 - 550 N/mm ² , 680 - 850 N/mm ²
Zinc coating	8 - 25 g/m ²
Elongation rate	10% - 25%

Standard Packaging

Diameter (mm)	Coil size	Spool packing	big coil packing max 1000kg	
			(mm) ID	(mm) OD
0.25 - 0.45	8"	1 - 100kg axis		
0.46 - 0.60	8" 12"	1 - 100kg axis		
0.61 - 1.60	12" 14" 16"	1 - 100kg axis	250 - 400	400 - 770
1.61 - 5.00			450	800





Hot Dipped Galvanized Wire

热镀锌丝 >>>

热镀锌铁丝采用优质 Q195 低碳环保钢材，经过先进的生产工艺拉拔 - 退火 - 酸洗 - 热镀锌而成，色泽光亮，丝质柔软，丝径范围较广，从 0.5-5.0mm。使用寿命可达十几年之久。根据上锌量的不同可以分为普通热镀锌丝和高锌热镀锌丝。

Hot dipped galvanized iron wire is made of high quality Q195 low carbon steel, through the process of wire drawing, wire annealing, acid washing and galvanizing by the advanced equipment. Bright surface and excellent elasticity. Divided into ordinary hot dipped galvanized wire and high zinc hot dipped galvanized wire. Our galvanized wire is suitable for all kinds of wire mesh weaving for industry and mining fields, as well as for agricultural use such as vegetable greenhouses, kiwi fruit shelves, etc. The wire diameter range from 0.5mm to 5.0mm. Comparing with other galvanized wire in the market, the zinc coated layer of our ordinary hot dipped galvanized wire can reach about 40-60g/m². The zinc layer reaches 220-350g/m² for our high zinc coating hot dipped galvanized wire. Our galvanized wire has thick zinc layer and strong corrosion resistance, can serve for about 10 years without rusted, contaminated and oxidized.

Diameter range	BWG 6 - BWG 26
Zinc coated	40-350 g/m ²
Tensile strength	350-550 N/mm ²
Elongation	15%
Coil weight	1kg-1000kg or as clients' requirements



Common Wire Gauge and Diameters Table

Gauge	SWG 英规		BWG 百明翰规		AWG 美规	
	Inch	mm	Inch	mm	Inch	mm
8	0.16	4.046	0.165	4.191	0.1285	3.264
9	0.144	3.658	0.148	3.759	0.1144	2.906
10	0.128	3.215	0.134	3.404	0.1019	2.588
11	0.116	2.946	0.12	3.048	0.0907	2.305
12	0.104	2.642	0.109	2.769	0.0808	2.053
13	0.092	2.337	0.095	2.413	0.072	1.828
14	0.08	2.032	0.083	2.108	0.0641	1.628
15	0.072	1.829	0.072	1.829	0.0571	1.45
16	0.064	1.626	0.065	1.651	0.0508	1.291
17	0.056	1.422	0.058	1.473	0.0453	1.15
18	0.048	1.219	0.049	1.245	0.0403	1.024
19	0.04	1.016	0.042	1.067	0.0359	0.912
20	0.036	0.914	0.035	0.839	0.032	0.812
21	0.032	0.813	0.032	0.831	0.0285	0.723
22	0.028	0.711	0.028	0.711	0.02535	0.644
23	0.024	0.61	0.025	0.635	0.02256	0.573
24	0.022	0.559	0.022	0.559	0.02011	0.511
25	0.02	0.508	0.02	0.508	0.01791	0.455
26	0.018	0.457	0.018	0.457	0.01594	0.405



Zinc Aluminium Alloy Wire

锌铝合金丝 >>>

锌铝合金丝，又称高尔凡丝，根据含量不同分为 5% 铝高尔凡，和 10% 铝高尔凡丝，被广泛应用于低碳、高碳钢的各种产品。我公司在锌铝合金丝的生产上有 13 年的经验，并且有完整的生产流水线和生产管理系统，来保证提供更高品质的锌铝合金丝，生产标准遵从 ASTM 或客户指定的规格。

Zinc Aluminium Alloy wire, known as Galfan wire or Galfan coated wire, is divided according to the difference of percentage of elements into 2 major kinds, Zn-5%Al-MM coated wire and Zn-10%Al-MM coated wire, which has been widely accepted both in low and high carbon products over tremendous range of applications. Our company with 13 years of experience in the wire manufacturing and coating industry has the complete facilities and the required coating manufacturing discipline necessary to produce higher quality Galfan products to ASTM or customer specifications.

Exposure tests substantiate that Galfan wire corrosion resistance improves over time, it's twice as effective as galvanized (equivalent coating weight) at 8.5 years, three times better at 25 years and almost four times better at 50 years. Studies have been preformed that show the Galfan coating will remain intact for over 50 days at 300C. Another study done over a period of 50 days at 260C showed that Galfan coating remained ductile compared to galvanized which failed 2x wrap testing in under 25 days. Galfan coated wire can take more severe bending with virtually no cracking or flaking compared to galvanized wire.



Common Wire Gauge and Diameters Table

Gauge	SWG		BWG		AWG	
	Inch	mm	Inch	mm	Inch	mm
5	0.212	5.385	0.220	5.588	0.182	4.621
6	0.192	4.877	0.203	5.156	0.162	4.115
7	0.176	4.47	0.180	4.572	0.144	3.665
8	0.159	4.046	0.165	4.191	0.129	3.264
9	0.144	3.658	0.148	3.759	0.1144	2.906
10	0.128	3.215	0.134	3.404	0.1019	2.588
11	0.116	2.946	0.12	3.048	0.0907	2.305
12	0.104	2.642	0.109	2.769	0.0808	2.053
13	0.092	2.337	0.095	2.413	0.072	1.828
14	0.08	2.032	0.083	2.108	0.0641	1.628
15	0.072	1.829	0.072	1.829	0.0571	1.45
16	0.064	1.626	0.065	1.651	0.0508	1.291
17	0.056	1.422	0.058	1.473	0.0453	1.15
18	0.048	1.219	0.049	1.245	0.0403	1.024
19	0.04	1.016	0.042	1.067	0.0359	0.912
20	0.036	0.914	0.035	0.839	0.032	0.812



PVC丝 PVC Wire

颜色型号：墨绿、草绿、白色、黑色等。

包装方式：根据客户要求。

应用：PVC丝广泛应用于动物饲养防护，水产养殖，农业，林区防护，体育馆等。

Types: dark green, bright green, white, black, etc.

Packing: according to customer requirements for packaging

Application: widely used in animal breeding, protection, aquaculture, agriculture and forestry park zoo enclosure, stadium, etc.

Specification	Core wire diameter	Diameter after coated
	0.4mm	0.6mm
	0.5mm	0.7mm
	0.7mm	0.9mm
	0.8mm	1.0mm
	1.0 mm	1.4 mm
	1.4 mm	2.0 mm
	2.0 mm	3.0 mm
	2.5 mm	3.5 mm
	3.0 mm	4.0 mm
Tensile strength	400-600 N/mm ²	
Weight/Coil	0.1kg-500kg/coil	
Packing	Small coils of 50m, 100m, 150m, 200m, and so on. Plastic inside and hessian woven outside, and nylon woven outside	



打包丝 Baling Wire

材质：黑铁丝、镀锌丝、钢丝

用途：用于棉花打包、回收站、废纸回收的捆绑及绑扎。

Material: steel bar wire, galvanized wire.

Application: used in binding and baling, for many companies such as cotton packing, recycling, waste paper, etc.

Wire Gauge, Thicknesses	11, 12, 13, 14 and 15 gauge.
Length	6 to 30 feet
Package	60/100/125/250 pcs/bundle, 50/55/60 bundles/pallet
Type	single or double loop twist
Tensile Strength	350-680 N/mm ² , 750-1200 N/mm ²





Barbed Wire

普通刺绳 >>>

刺绳由全自动化的刺绳机拧编而成。种类分为单丝拧编和双丝拧编。

原材料：优质的低碳钢丝(电镀锌, 热镀锌, 涂塑), PVC 丝拧编而成; 有蓝、绿、黄等颜色, PVC 刺绳芯线可以是镀锌丝和黑丝。

特 点：防腐、防老化、抗晒、耐用等特点。

用 途：用于草场边界、铁路、高速公路、国防、机场、围栏(草原、果园)等的隔离防护, 美观又实用, 有多种架设方式可供选择, 施工迅速, 既省经费, 又可有效达到隔离防护的效果。

Barbed wire is twisted and weaved by automatic barbed wire machine.

Product variety: single twist barbed wire and double twist barbed wire.

Wire Materials: High quality low carbon steel wire(Electro-galvanized, Hot dip galvanized, PVC coated), and PVC wire in blue, green, yellow and other colors.The core wire of PVC wire can be galvanized wire or balck wire.

Characteristics: Corrosion resistance, ageing resistance, solarization resistance, durable, etc.

Application:Barbed wire is mainly used in protecting of grass boundary, railway, highway, national defense,airport,orchard,etc.

Excellent protective performance, beautiful appearance, various patterns.



刺绳规格 Barbed Wire Type And Specifications

Type	Wire Gauge (SWG)		Barb Distance (inch)	Barb Length (mm)
Electro Galvanized Barbed Wire; Hot-dip zinc plating barbed wire	10# x 12#		3" - 6"	15
	12# x 12#			
	12# x 14#			
	14# x 14#			
	14# x 16#			
	16# x 16#			
	16# x 18#			
PVC coated barbed wire; PE barbed wire	before coating	after coating	3" - 6"	15
	1.0mm-3.5mm	1.4mm-4.0mm		
	BWG11#-20#	BWG8#-17#		
	SWG11#-20#	SWG8#-17#		
PVC PE coating thickness: 0.4mm-0.6mm; different colors or length are available at customers request.				



Razor Wire

刀片刺绳 >>>



刀片刺绳也称为刀片刺丝、刀片刺网、是一种新型防护网。

特点：该产品具有隔离防护效果好、美观、施工便利，经济实用等优异特点。

应用：主要用于园林公寓、机关单位、监狱、哨所、边防等的圈禁防护。

工艺：刀片刺网由热镀锌钢板或不锈钢薄板冲压出尖锐的刀片状，高张力镀锌钢丝或者不锈钢丝做芯线组合而成的阻绝器材。由于刺网造形独特不易触摸，因而能达到极好的防护隔离效果。产品的主要材质有镀锌板和不锈钢板。

分类：刀片刺绳按照安装方法不同可分为：(蛇腹式)螺旋式刀片刺绳、直线型刀片刺绳、平板式刀片刺绳、刀片刺绳焊接网等。

Razor barbed wire is also named concertina coils or razor type barbed wire. It is a new type of guard fence.

Characteristics: With beautiful and sharp blades and strong core wire, razor wire has the features of good deterrent effects, nice appearance, easy installation, economical and practical and other properties.

Application: Razor barbed wire is widely used in apartment house, organization units, prisons, frontier defense, military fields and other sites requiring severe fencing and security.

Classification: Razor wire can be classified into concertina coils, straight type razor wire, crossed type and flat type according to the installation models.



刀片刺绳规格 Razor Blade Type And Specifications

Reference Number	Blade Style	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-28		0.5±0.05	2.5	28	15	45±1
BTO-30		0.5±0.05	2.5	30	18	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	32±1	100±2



Welded Wire Mesh

电焊网 >>>

材质：低碳钢丝、不锈钢丝

Material: Low carbon steel wire, stainless steel wire

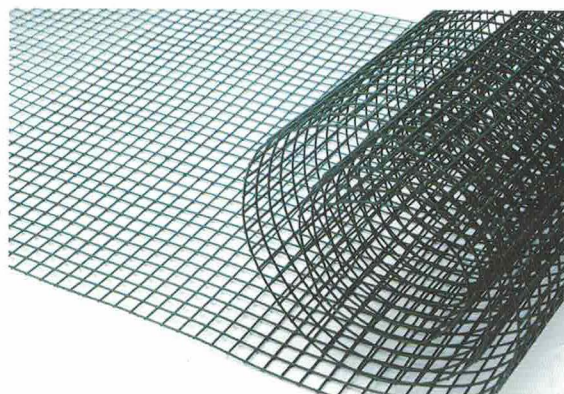
编制特点 (Weaving and characteristics):

后热镀 Hot-dipped Galvanizing after Welding

先热镀 Welding with hot-dipped galvanized iron wire

后电镀 Electro galvanized after welding

先电镀 Welding with electro galvanized iron wire



规格 Specification List of Welded Wire Mesh

网孔 Opening		丝径
In "inch"	In Metric Unit(mm)	Wire Diameter
1/4" x 1/4"	6.4mmx6.4mm	BWG22-BWG24
3/8"x3/8"	10.6mmx10.6mm	BWG19-BWG22
1/2"x1/2"	12.7mmx12.7mm	1mm-0.7mm BWG16-BWG23
5/8"x5/8"	16mmx16mm	BWG18-BWG21
3/4"x3/4"	19.1mmx19.1mm	BWG16-BWG21
1"x1/2"	25.4mmx12.7mm	BWG16-BWG21
1-1/2"x1-1/2"	38mmx38mm	BWG14-BWG19
1"x2"	25.4mmx50.8mm	BWG14-BWG16
2"x2"	50.8mmx50.8mm	2.1mm-1.6mm BWG12-BWG16

Technical Note:

1, Standard Roll Length: 30m, Width: 0.5m -- 2.0m.

2, Package: In waterproof paper in rolls.

Custom Sizes and Package available at request.

PVC电焊网 PVC Coated Welded Mesh

网孔 Opening		丝径
In "inch"	In Metric Unit(mm)	Wire Diameter
1/2" x 1/2"	12.7mm x 12.7mm	BWG16--BWG21
3/4" x 3/4"	19mm x 19mm	BWG16--BWG21
1" x 1"	25.4mm x 25.4mm	BWG15--BWG20

Technical Note:

1, Standard Roll Length: 30m, Width: 0.5m -- 2.0m.

2, Package: In waterproof paper in rolls.

Custom Sizes and Package available at request.



WANZHI STEEL

www.wanzhifence.com



一手厂家
库存充足





Welded Mesh Panel

电焊网片 >>>

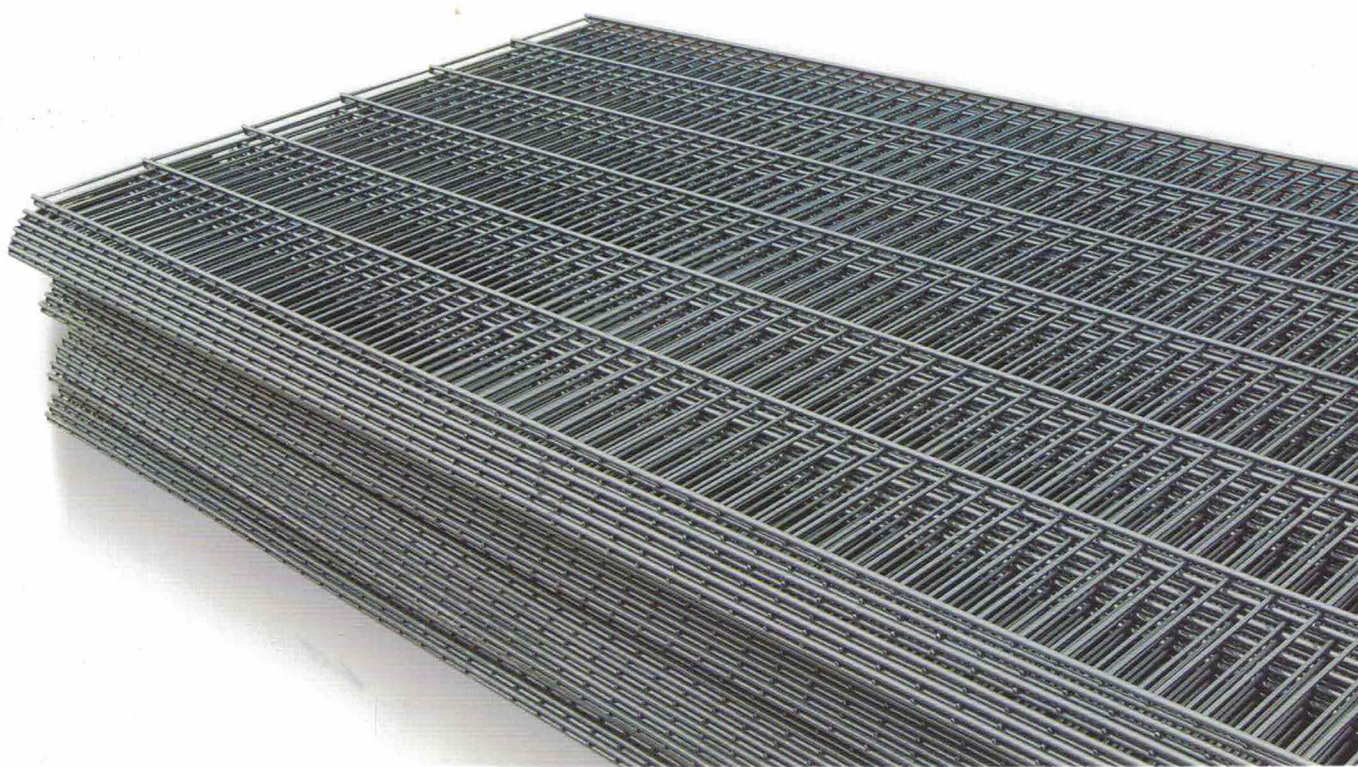
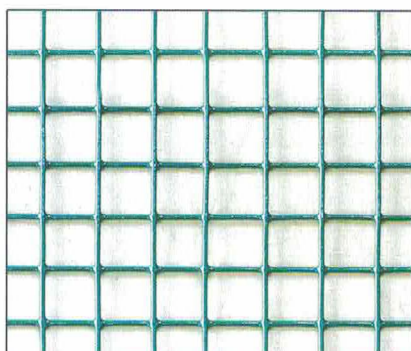
种 类：不锈钢网片、黑铁丝网片、舒乐板网片、镀锌铁丝网片、涂塑网片、带框网片。

用 途：广泛用于展览会、样品架等。普通网片用于建筑行业作舒乐板网和隔断网，是高层新型建筑的理想材料。

Welded wire mesh panel is made of superior quality welded mesh, with flat even surface, firm structure, extensively used in building, food, agriculture industries and also in heat conservation projects.

Assortments available:Stainless Steel Welded Mesh Panels,Galvanized Welded Mesh Panels,PVC coated Welded Mesh Panels.

Applications: Welded mesh panels are widely used as holders and racks for exhibitions, and also used in construction industry as the netting for acoustic insulation and heat conservation, it's an ideal material for high buildings.





Chain Link Fence

勾花网 >>>

材质：优质低碳钢丝、不锈钢丝、锌铝合金丝。

编织及特点：勾编而成；编织简洁、美观实用。

用途：该产品用处广泛，饲养鸡、鸭、鹅、兔及动物园围栏。机械设备的防护，高速公路护栏，体育场所围网，马路绿化带防护网，还可用于工艺品制造，机械设备的输送网。

Chain Link Fence is extensively used as fences for playground and gardens, super highway, railway, airport, port, residence, etc. It is also used for breeding of animals.

Detail specifications as listed below.

Selvage (End) Finish: KK- Knuckle & Knuckle KB - Knuckle & Barbed

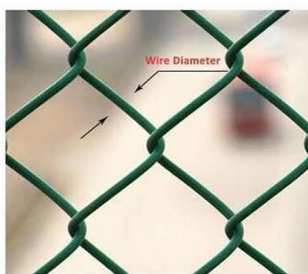
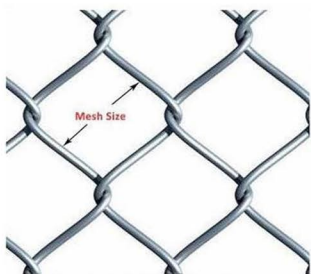
规格 Specification	1"	1.5"	2"	2.25"	2.4"	2.5"	3"	4"
	25mm	40mm	50mm	55mm	60mm	65mm	76mm	100mm
18#—7#								
1.20mm—5.00mm								
1.0m—50m								
0.5m—5.0m								
特殊规格可根据用户需求加工订做								





WANZHI STEEL

www.wanzhifence.com



barb selvage



Knuckle selvage





Field Fence 草原网 >>>

材 质：高强度热镀锌丝

特 性：高抗拉强度，排列美观，抗腐蚀性良好

用 途：应用于草原，养殖，生态工程防护

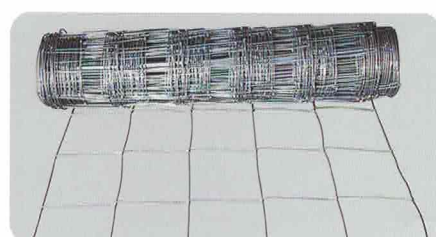
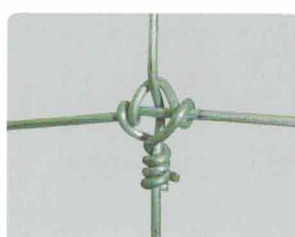
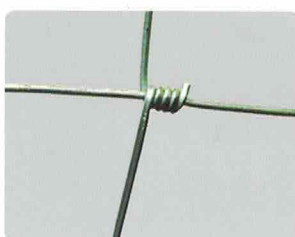
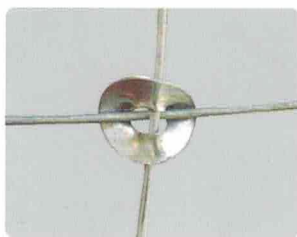
所有规格可以按客人要求定制。

Material: high strength galvanized wire

Characteristics: strong tensile resistance, beautiful form, good anti-corrosive

Application: using grassland, field foster, project of zoology defend

All specifications can be customized according to customer's requirements





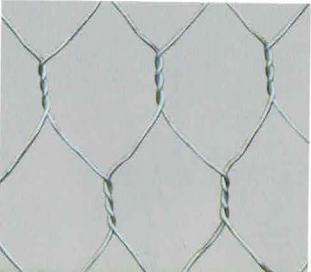
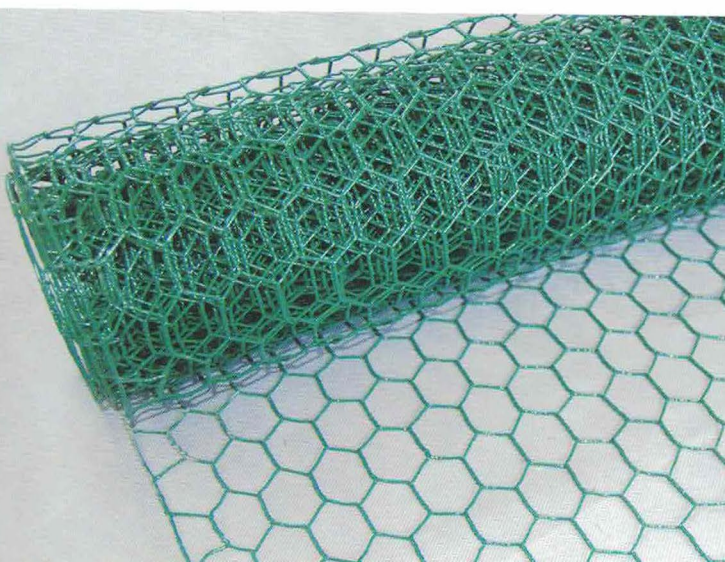
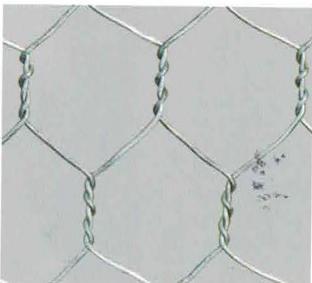
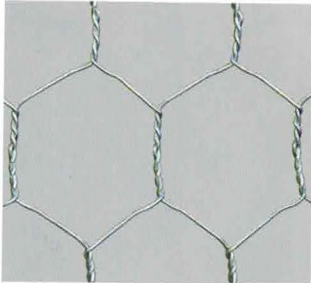
Hexagonal Wire Mesh

六角网 >>>

材 质：低碳钢丝、不锈钢丝、PVC 丝。
编 织：正捻、双向搓捻、先编后镀、先镀后编，又分热镀锌、电镀锌、PVC 涂塑等。
特 点：结构坚固，表面平坦，具有良好的防腐蚀、抗氧化等特点。
用 途：广泛用于工业及建筑业，筛选砂粒，过滤液体及气体。还用于饲养鸡、鸭、鹅、兔及动物园围栏。

Wire materials: Galvanized iron or Stainless steel wire, PVC coated wire.
Twist: regular twist (three twist, five twist), reverse twist
Application: Hexagonal wire netting with its good corrosion resistance and oxidation resistance, serves well as boiler cover or poultry fence in construction, chemical, breeding, garden and food processing industries.

Mesh 开孔		Wire Diameter		Weight 重量 kg/m ²	Assortments availableMesh 可提供产品描述
Inch 英寸	mm毫米	SWG丝径	mm毫米		
1/2	12.7	22	0.71	0.52	Hot-dipped after weaving; Hot-dipped before weaving; Electro before weaving; PVC-coated Hex.wire mesh in normal twist; Hex.wire mesh in reverse twist. 先编后热镀 先热镀后编 先电镀后编 PVC六角网 按编织方式可分为正捻和正反捻
3/4	19.05	23	0.61	0.29	
3/4	19.05	24	0.56	0.23	
3/4	19.05	25	0.50	0.19	
1	25.4	18	1.2	0.86	
1	25.4	19	1.0	0.65	
1	25.4	20	0.9	0.50	
1 1/4	31.75	21	0.81	0.34	
1 1/4	31.75	22	0.71	0.25	
1 1/2	38.1	17	1.4	0.79	
1 1/2	38.1	18	1.2	0.62	
1 1/2	38.1	19	1.0	0.43	
2	50.8	19	1.0	0.32	
2	50.8	20	0.9	0.25	
2	50.8	21	0.8	0.20	
2	50.8	22	0.71	0.15	





六角网在山体落石防护中的使用 Application in Rockfall Protection





Gabion Box

石笼网 >>>

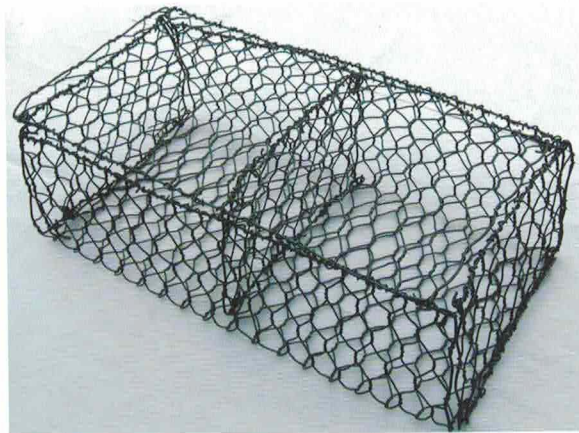
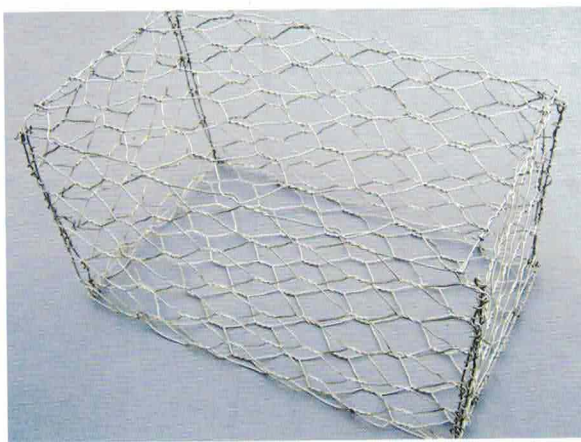
石笼网由抗腐蚀、高强度、具有延展性的低碳钢丝或者包覆 PVC 的钢丝使用机械编织而成，使用该网制作而成的箱型结构就是石笼。根据 ASTM 和 EN 标准，所使用的低碳钢丝直径根据工程设计要求而不同。一般介于 2.0-4.0mm 之间，钢丝的抗拉强度不少于 380Mpa，金属镀层重量一般高于 245g/m²，石笼网片的边缘线直径一般要大于网线直径。其双线绞合部分的长度不得小于 50mm，以保证绞合部分钢丝的金属镀层和 PVC 镀层不受破坏。

用途：(1)控制和引导河流及洪水 (2)泄洪坝和导流坝 (3)岩崩防护 (4)防止水土流失 (5)大桥保护 (6)固土结构 (7)海滨防御工程 (8)港口工程 (9)挡土墙 (10)道路防护

Gabion Box are wire containers made of hexagonal wire netting. Wire diameter varies with the hexagonal nettings. For hexagonal wire netting without pvc coating, the wire diameter ranges from 2.0mm to 4.0mm. For those PVC coated hexagonal wire netting, the outside diameter ranges from 3.0mm to 4.5mm. The wire of the outside frame edge is one wire gauge thicker than the wire used for hexagonal wire netting.

Gabion boxes applications:

To control and guide of water or flood, Spillway dam or diversion dam, Preventing of rockfall, Preventing soil erosion, Bridge protection, Strengthening structure of soil, Protection engineering of seaside area.





雷诺护垫 Reno Mattress



塞克格宾 Sack Gabion



加筋格宾 Reinforced Gabion



电焊石笼 Welded Gabion



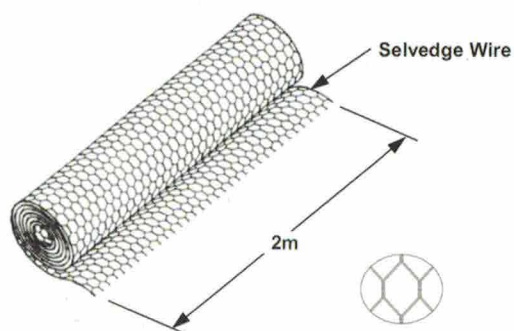


Rockfall Protective Net

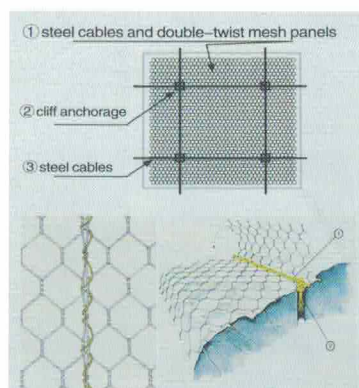
落石防护网 >>>

落石防护网是一种由机器双绞合而成的六边形金属网。一种防止石块或岩块落入公路、铁路的防护系统。基于防护网双绞合结构的特性，即使在钢丝破损的情况下也能够承受落石的冲击。

Rockfall netting is made of a continuous roll of 'triple twisted' mesh which can be made in different mesh and wire combinations to suit the type of rock being supported. Unlike chain link mesh, the strong 'triple twisted' mesh will not unravel if one of the mesh wires should break. Individual rolls are wired together to form a curtain to control the fall of loose rock and to encourage stability of the rock face by promoting vegetation.



网孔 Mesh Sizes(mm)	落石防护网尺寸 Rockfall Netting		公差范围 Tolerance	丝径(mm) Wire Diameter
	长(m) Length	宽(m) Width		
60x80	20~100	1~4	长 Length±5% 宽 Width±5% 高 Depth±5%	Heavily galvanised or galfan coated wire 2.00, 2.20, 2.40, 2.70, 3.00OR PVC coated on Heavily Galvanised or Galfan coated wire 2.0/3.0, 2.2/3.2, 2.4/3.4, 2.7/3.7, 2.0/4.0
80x100	20~120	1~4		
100x120	20~120	1~4		
120x150	20~120	1~4		



落石防护网的优势 Advantages of Rockfall Netting :

- 1、即使结构中断裂一根网丝，也不会影响结构的整体性
 - 2、高抗拉强度和抗冲击性
 - 3、无需重叠网片即可保持网片结合的高度衔接性
 - 4、安装简单成本低
- 1、 Mesh does not unravel if one of the wires should fail
 - 2、 High tension and punching stress resistance
 - 3、 Maximun continuity at joints without the need to overlap mesh panels
 - 4、 Low installation costs