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Mini Chain Link Fencing

CATALOG

2022



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MINI CHAIN LINK FENCING

– High Security for Industrial, Commercial & Residential Safety

When maximum security and protection are required, chain link mini mesh fencing is the perfect solution. mini mesh chain link fabric is woven in smaller links compared with average chain link fences. Mini mesh opening forms an impenetrable barrier between your property and intruders, which is extremely difficult to cut through with bolt cutters or get a foothold to climb it. Besides, the mini mesh chain link fencing is durable, corrosive resistant, high security to keep your valuable safe.

SIZE OPTIONS

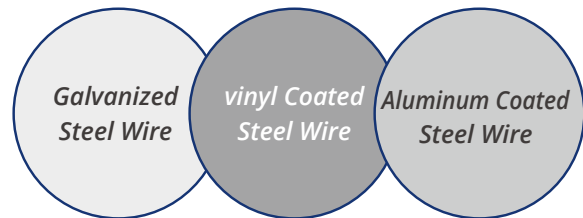
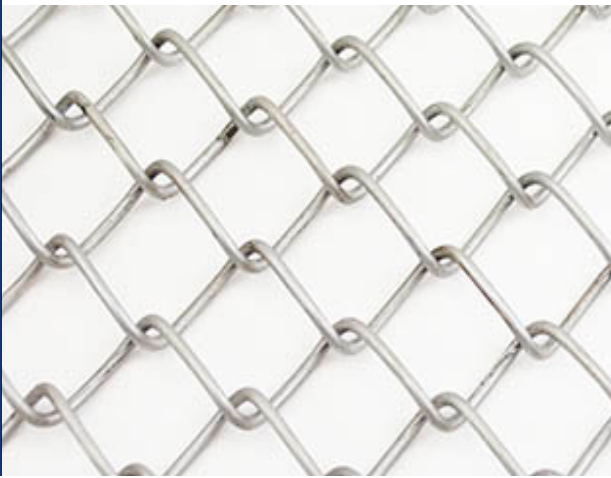
| Technical Data for Different Use | | | |
|----------------------------------|-----------|------------|------------------------|
| Recommended Use | Mesh Size | Gauge Size | Height Of Fence Fabric |
| Industrial/Security | 1" | 6 | 24" – 144" |
| | | 9 | |
| | 1" | 9 | |
| | | 11 | |
| | 3/4" | 9 | |
| | | 11 | |
| | 5/8" | 9 | |
| | | 11 | |
| | 1/2" | 9 | |
| | | 11 | |
| Security | 3/8" | 10 | |
| | | 11 | |



Mini Chain Link Fencing /

MATERIALS

Galvanized Steel Wire



It is produced by cold drawing good commercial grade steel rod into wire of the appropriate diameter. The steel rod from which the wire is drawn is produced by the open hearth, electric furnace or basic oxygen process.

The zinc coating may be applied before weaving into fabric (GBW), galvanized before weaving (GBW) – the wire is cleaned, passed through a bath of molten zinc and then woven into chain link fabric.

Standards:

| | |
|--|--|
| ASTM A392 Type I | Zinc-Coated Steel Chain Link Fence Fabric |
| ASTM F567 | Installation of Chain Link Fence |
| ASTM A817 | Metallic-Coated Wire for Use in Chain Link Fence |
| ASTM B6 | Zinc (Slab Zinc) |
| Federal Specification RR-F-19K/1F | Type I Fencing, Wire and Post Metal (Chain-Link Fence) |
| AASHTO M-181 | Chain Link Fence, Type I |

| Galvanized Wire Characteristics Table | | | | | | | | | | |
|---------------------------------------|-------|------|--------------------|-------|-----------------------------|------|---------|------|---------------------------|---------|
| Nominal Coated Wire Diameter | | | Allowable Variance | | Minimum Zinc Coating Weight | | | | Minimum Breaking Strength | |
| | | | | | Class 1 | | Class 2 | | | |
| Gauge | inch | mm | inch | mm | oz/ft² | g/m² | oz/ft² | g/m² | lbf | Newtons |
| 6 | 0.192 | 4.88 | ±0.005 | ±0.13 | 1.2 | 366 | 2.00 | 6.10 | 2170 | 9650 |
| 9 | 0.148 | 3.76 | ±0.005 | ±0.13 | 1.2 | 366 | 2.00 | 6.10 | 1290 | 5740 |
| 11 | 0.120 | 3.05 | ±0.005 | ±0.13 | 1.2 | 366 | – | – | 850 | 3780 |

Extruded Poly (Vinyl Chloride) PVC Coated Steel Wire



It is produced by cold drawing good commercial grade steel rod into wire of the appropriate diameter. The steel rod from which the wire is drawn is produced by the open hearth, electric furnace or basic oxygen process.

The galvanized coating is produced by passing the cleaned wire through a bath of molten zinc which conforms to ASTM B6.

The extruded PVC coating is produced by extruding PVC at a coating thickness of 0.015" (.38 mm) to 0.025" (.64 mm) over a galvanized core wire.

Standards:

| | |
|--|---|
| ASTM B6 | Zinc (Slab Zinc) |
| ASTM F567 | Installation of Chain Link Fence |
| ASTM F668 | Poly (Vinyl Chloride) (PVC) and Other Organic Polymer-Coated Steel Chain Link Fence Fabric, Class 1 |
| Federal Specification RR-F-19K/1E | Fencing, Wire and Post Metal (Chain-Link Fence), Type IV |
| AASHTO M-181 | Chain Link Fence, Type IV, Class A |

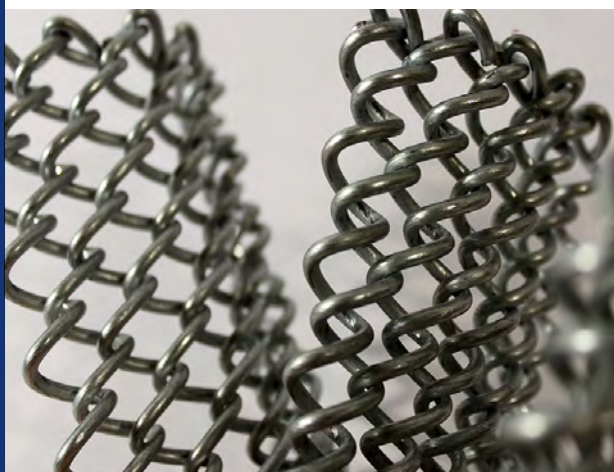
PVC (Vinyl Chloride) Coated Wire Characteristics Table

| Zinc Coated Core Wire Size | | | PVC Coated Wire Size | PVC Coated Wire Allowable Variance | | Minimum Core Wire Zinc Coating Weight | | PVC Coating Thickness | | Minimum Breaking/ Tensile Strength | | |
|----------------------------|-------|------|----------------------|------------------------------------|-------|---------------------------------------|------|-----------------------|--------------|------------------------------------|---------|-----|
| Gauge | inch | mm | Gauge | inch | mm | oz/ft² | g/m² | inch | mm | lbf | Newtons | MPa |
| 9 | 0.148 | 3.76 | 6 | ±0.005 | ±0.13 | 0.30 | 92 | 0.015 to 0.025 | 0.38 to 0.64 | 1290 | 5710 | 515 |
| 11 | 0.120 | 3.05 | 8 | ±0.005 | ±0.13 | 0.30 | 92 | | | 850 | 3780 | 515 |
| 14 | 0.080 | 2.03 | 11 | ±0.005 | ±0.13 | 0.25 | 76 | | | 380 | 1690 | 515 |

Typical Vinyl Properties

| Test | Test Method | Value |
|--------------------------------|-------------|--------------------|
| Specific Gravity | ASTM D 792 | 1.130±0.03 |
| Hardness, Durometer | ASTM D 2240 | A90±5 |
| Tensile Strength | ASTM D 412 | 2600 ± 5% |
| Ultimate Elongation | ASTM D 412 | 275% ± 5% |
| Mandrel Bend Test, 10X mandrel | ASTM D 668 | -20° F (-29° C) |
| Dielectric Strength, volt/mil | ASTM D 149 | 750 |
| Compression Cut-Through, lbs | BELL LABS | 1500 |
| Accelerated Aging Test | ASTM D 1499 | 1500 hrs at 145° F |

Aluminum Coated Steel Wire



It is produced by cold drawing good commercial grade steel rod into wire of the appropriate diameter. The steel rod from which the wire is drawn is produced by the open hearth, electric furnace or basic oxygen process.

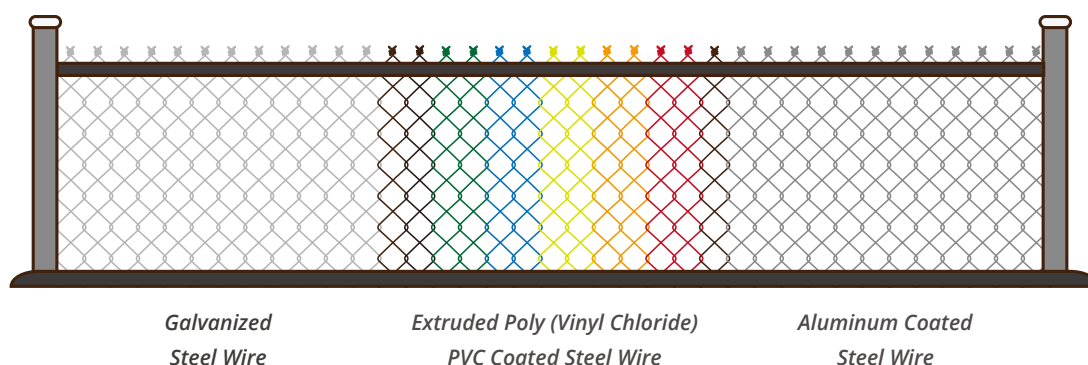
The coating process is produced by passing the cleaned wire through a molten bath of aluminum metal. Aluminum metal pigs or ingots used to produce the coating shall have no more than the maximum levels of impurities: copper – 0.10% maximum Cu and Iron – 0.50% maximum Fe.

Standards:

| | |
|--|---|
| ASTM A491 | Aluminum-Coated Steel Chain Link Fence Fabric |
| ASTM F567 | Installation of Chain Link Fence |
| ASTM A817 | Metallic-Coated Wire for Use in Chain Link Fence |
| Federal Specification RR-F-19K/1F | Type II Fencing, Wire and Post Metal (Chain-Link Fence) |
| AASHTO M-181 | Chain Link Fence, Type II |

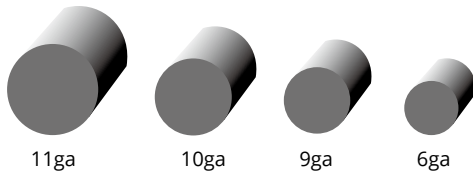
Aluminum Coated Wire Characteristics Table

| Nominal Coated Wire Diameter | | | Allowable Variance | | Minimum Aluminum Coating Weight | | Minimum Breaking Strength | |
|------------------------------|-------|------|--------------------|-------|---------------------------------|------------------|---------------------------|---------|
| | | | | | Class 1 | | | |
| Gauge | inch | mm | inch | mm | oz/ft ² | g/m ² | lbf | Newtons |
| 9 | 0.148 | 3.76 | ±0.005 | ±0.13 | 0.40 | 122 | 1290 | 5740 |
| 10 | 0.135 | 3.43 | ±0.005 | ±0.13 | 0.40 | 122 | 1290 | 5740 |
| 11 | 0.120 | 3.05 | ±0.005 | ±0.13 | 0.35 | 107 | 850 | 3780 |



WIRE GAUGE

The mini mesh chain link fabric is available in 11, 10, 9 and 6 gauges.

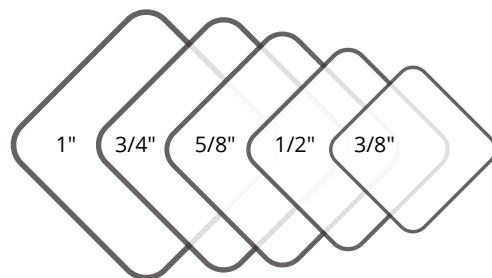


Notes about gauge

The smaller the number, the heavier the mini mesh chain link fabric. Henceforth 9 gauge is heavier than 11 gauge. Heavier gauge are not only stronger, but have a better finish. The heavier the gauge, the longer it may be to prevent rust and corrosion.

MESH OPENING

The mini mesh chain link fabric is made in 3/8", 1/2", 5/8", 3/4" or 1" mesh size. The small openings make it impossible to manually cut through because there is so little space for the cutters to operate.

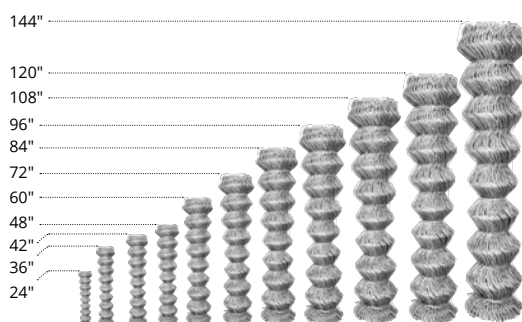


FABRIC SIZES

Height:

24", 36", 42", 48", 60", 72", 84", 96", 108", 120" and 144". customized sizes can be up to 240".

Roll length: 25' to 50'.



SELVAGE TYPE

K × K Selvage = Knuckle × Knuckle

(chain link top and bottom are bent over)

K × T Selvage = Knuckle × Twist

(chain link is twisted at one end to form two barbs while the other is bent over)

Notes about selvage

The mini mesh chain link fence fabric woven with 60" or less in height is knuckled at both. For fabrics 72" and taller, the selvage is knuckled at one edge and twisted at the other.



APPLICATIONS

Mini mesh chain link fabric is used for industrial, commercial and residential high security purpose, including:

- High security prisons
- Highways & bridges
- Heavy industry
- State and federal agencies
- Power plants
- Military use

ADVANTAGES

- Accord with ASTM, Federal, State and AASHTO standards
- High security for commercial, industrial and residential as well as military use
- Available in vinyl coated, galvanized and aluminum coated.
- Various gauges, meshes and finishes options
- Tailored sizes and packages
- Inherent resistance in harsh industrial and seacoast atmospheres
- No painting necessary make the maintenance cost savings over the lifetime will more than pay for the initial cost of the fence
- Difficult to cut through
- Hard to climb
- Permanent

High Security Prison



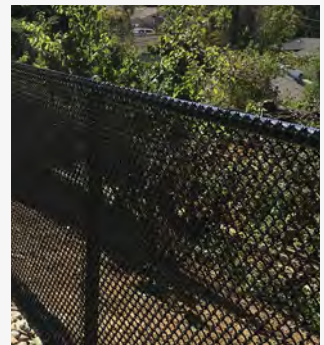
State & Federal Agencies



Bridge Protection



Roadside Protection



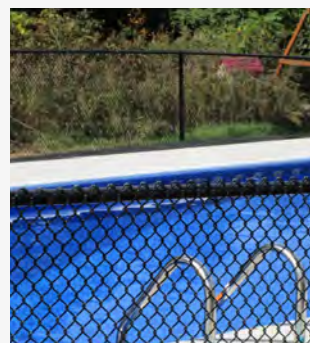
Heavy Industries



Power Plants



Swimming Pools



Wildlife Protection



FAQS ABOUT MINI MESH CHAIN LINK FABRIC



Where we can use the mini mesh for?

You can apply mini mesh chain link fabric in industrial, commercial or residential applications and even in military sites and any positions where needs extra grade of security and protection.



Why choose mini mesh high security fence?

The mini mesh high security fence has special small links which is difficult to cut through and climb, which is high security to defend intruders. Besides, the alumiized, galvanized and vinyl coated materials make them durable even in harsh environments.



Can I customize my order to fit my fence needs?

Of course. The mini mesh high security fencing is available in wide ranges of wire gauges, mesh openings and finishes. You can tell us your specific requirements about that and we will find it for you. Besides, we can tailor the perfect sizes as well as packages for your specific projects.



What the price of mini mesh fences?

It varies. Different gauges, finishes and meshes owns different prices. We are real factory in China, we can save the agent fees in your local and give the wholesale price for you. It's better to wholesale for your use and become an agent in your local market.



What finish does mini mesh come in?

Various to suit the harsh environments. The mini mesh is available in galvanized, vinyl coated and aluminized finishes. All are durable, long-lasting and are great for high security areas for permanent protection.



How Do I choose a right gauge?

Gauge size is the diameter of wire. The higher the gauge number, the smaller the wire diameter. Here are the commonly used gauge options for your reference. Depending on your fence jobs' specifications, you may need a different sized gauge, any questions, just contact us for help.

Common gauge and diameters:

6 gauge = .192"

9 gauge = .148"

11 gauge = .120"

11-1/2 gauge = .113"

12 gauge = .106"

12-1/2 gauge = .099"



Why purchase from Xingyou?

We are real factory in China, neither the trading company nor the agent in your local. We can save material cost for your large projects. So if you are an project material agents or want to become an agent, Xingyou is your best choice.



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