

Product Data Sheet

Chain Link Fabric



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

Light chain link



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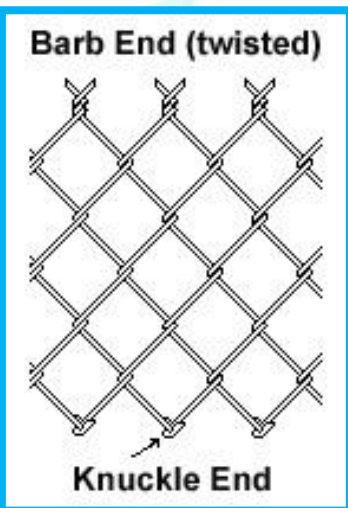
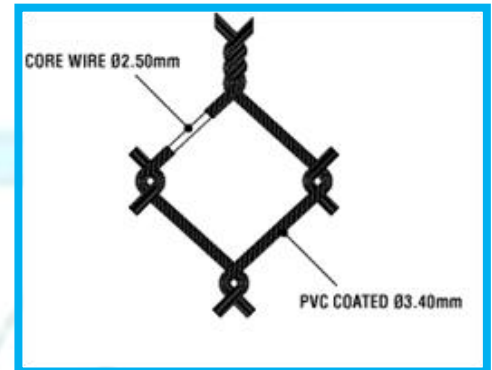
Chain Link Fabric

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

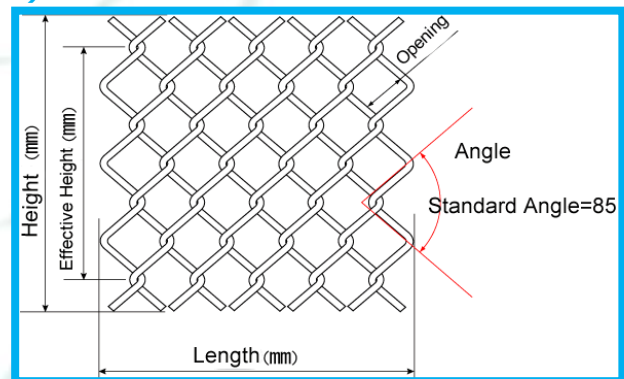
The chain link's gauge (ga.) or diameter of wire shows how much steel is actually in the fabric. The smaller the gauge number is indicating that the chain link is made of more steel and higher quality wire. It also indicates the strength of the wire. Common chain link gauges are 13, 12-1/2, 11-1/2, 11, 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.

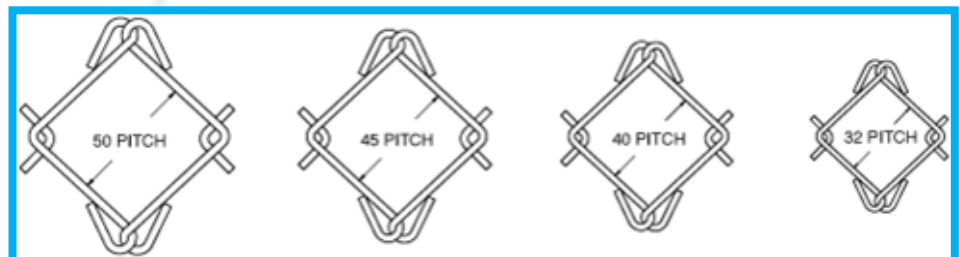
We manufacture 0.50 meter to 6.00-meter width/height fabrics as per the customer's requirements. Each roll length from 55.00 – 20.00 meters available.



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").



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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 bond 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.

Chain Link Fence - Fabric Specifications

ASTM specifications for chain link fence fabric:

A392-96 Standard Specification for Zinc-Coated Steel Chain Link Fence Fabric

F1345-96 Standard Specification for Zinc-5% Aluminum-Mischmetal Alloy-Coated Steel Chain Link Fence Fabric

F668-96 Standard Specification for Polyvinyl Chloride Coated Steel Chain Link Fences

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