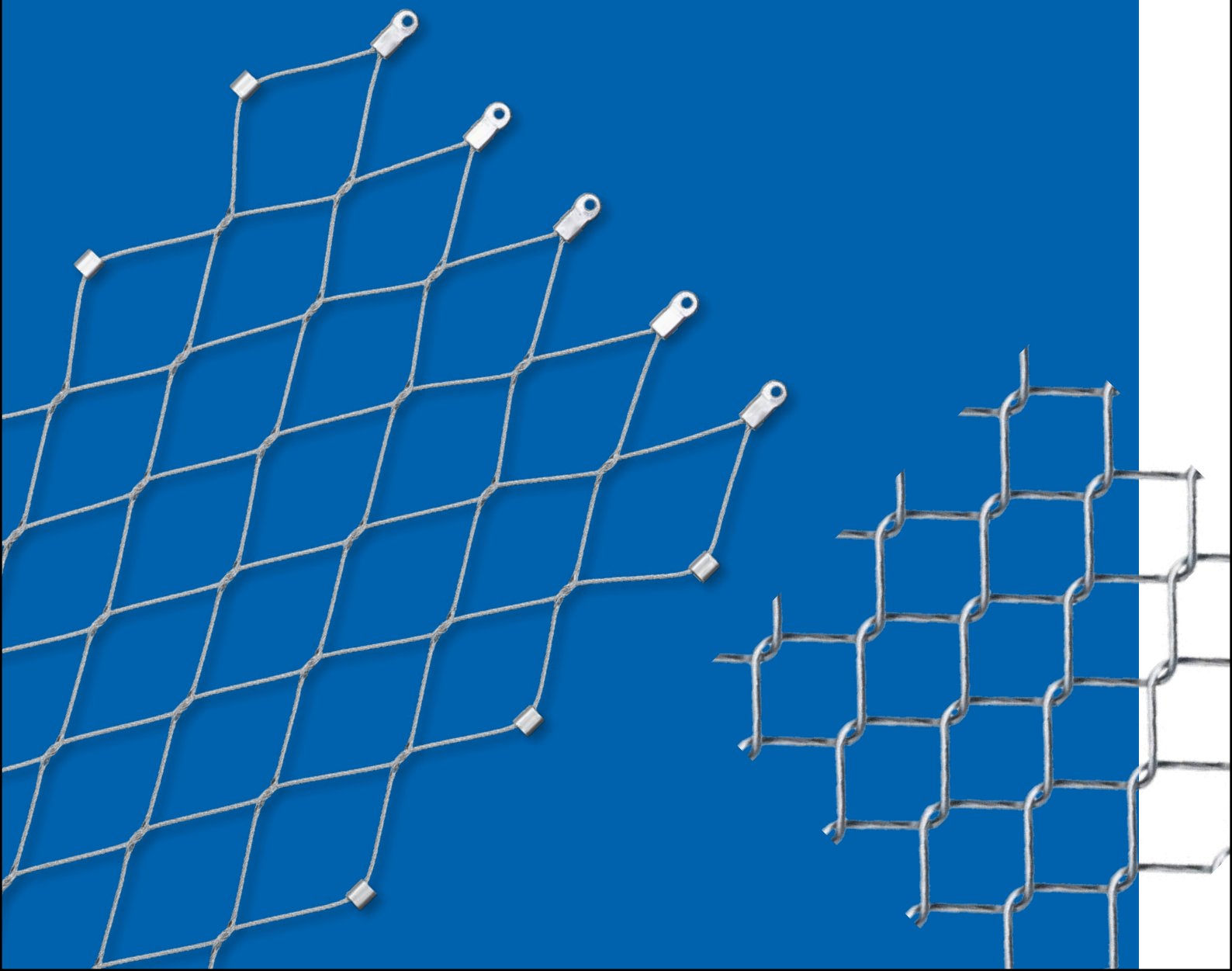
Jakob®
Rope Systems

Technical information sheet

Webnet Stainless Steel Mesh vs. Chain Link Fence

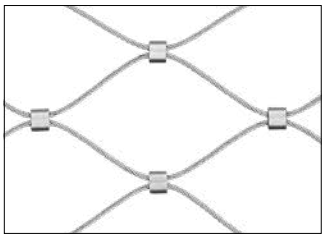


Webnet Stainless Steel Mesh vs. Chain Link Fence

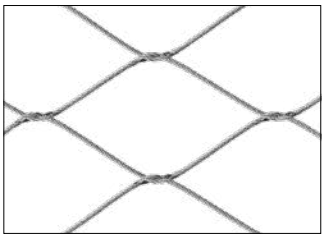
Technical information sheet
Version: 21.01.2021

Webnet is a wire rope net made of stainless steel ropes with high tensile strength and flexibility by means of sleeves pressed or sleeveless stitched knots. It is weather resistant, extremely robust and requires virtually no maintenance. The stainless steel net is suitable for interior and exterior applications. Webnet differs from the common chain link fence in several aspects and offers numerous advantages.

Webnet



Webnet with sleeves.

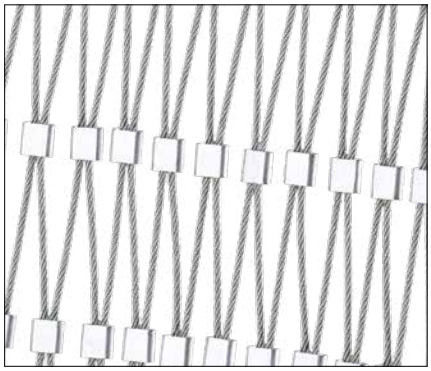


Webnet sleeveless.

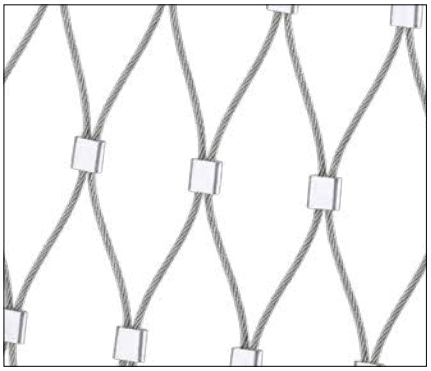
Chain link fence

Chain link fence.

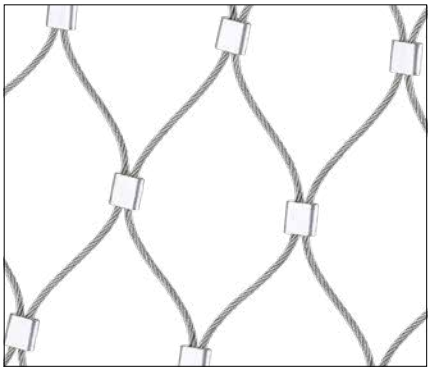
Webnet	Chain link fence
Webnet consists of **stainless steel wire ropes** firmly joined by sleeves.	Common chain link meshes are made of **bent steel wires** that are loosely hooked into each other. Additionally, the bending of the rods results in a reduction ot the tensile resistance.
Webnet is fabricated precisely according to customer specifications. There are almost **no limits to shape and size**. It is therefore suitable for **complex geometries**. The included final endings of the mesh make installation on site easier, especially when working at height.	**Limitation to standard height and length,** only **rectangular shapes**. **Cannot adapt** to surrounding structure.
Webnet can be customized by chosing from **wire rope diameters between 1 and 5 mm**. The **mesh aperture is adjustable** (see images below).	Few **standard diameters** available, **mesh aperture determined** by wire diameter.
Extremely flexible and orthotrophic thanks to the use of wire ropes. **Stiffness and elasticity can be adjusted** according to the level of tension applied when installing Webnet.	**Inflexible structure**, cannot be influenced by tensioning the mesh.
Very safe: **no risk of injuries** from loose wire ends. Depending on customization, the net is **not climbable** and has a DIBt **homologation as fall stop net**.	**Risk of injuries** by open wire endings at the top and bottom, especially for children or animals.
Efficient use of material makes Webnet **lightweight** and **almost** transparent. The effect can be increased by using spectral coloring.	Generally larger wire diameters make the mesh clearly **visible**.
Tensioning allows larger mesh spans without supporting ropes, adding to the **minimal look**.	**Intermediate supporting ropes needed** between meshes.
Quiet: The connected wire ropes **make no noise** when the net is hit by an object, especially **useful for ball stop fences and aviaries**.	The loosely connected steel wires **makes a metallic noise** when a ball or object hits the nets.
The material stainless steel is robust, weather resistant and requires **little maintenance**. This results in longer lasting material and a better ecobalance.	Usually made out of galvanized wire, often **looks worn out** after a few years when not properly cared for.
Webnet is **dimensionally stable**. Bigger impact loads do not lead to permanent displacements.	Bigger impacts bend the rods of the chain link mesh irreversibly.
Due to its **resistance** the mesh can be implemented as a **static element** to keep the structure in place and to resist applied loads.	**Due to its low tensile resistance** and its connection to the adjacent structure the chain link mesh can **only be used as infill element for small spans**.



Webnet, mesh angle closed



Webnet, mesh angle 35°



Webnet, mesh angle 60°

Flexible size, geometry and mesh direction.

Bending in multiple directions.

Adaptive to the surrounding structure.

Made to measure.