



Installation instructions for knotted fencing mesh LIGHT, STANDARD, PREMIUM

A. STANDARD INSTALLATION

Prepare holes in considered location of fencing, diameters 15 to 23 cm, for posts and struts, spaced 2,5 to 3 meters away. The holes must reach the non-freezing depth, 80 cm minimum.

Ideal® type posts for STANDARD and PREMIUM knotted mesh fencing of the corresponding length, properly aligned to height and installed into the holes, while the necessary height is defined by the clamp of tensioning wire (see image), are fixed by the moist concrete. The end posts and corner posts, as well as each tenth running post, must be braced with IDEAL® struts having the corresponding length.

The tensioning posts are fixed by the struts, which must be effecting against the tension of knotted mesh and installed as follows:

- at the beginning of fence
- in each corner of fence
- at each fence direction change
- each 30 m of straight fence length
- at the end of fence

The struts are used to ensure the vertical position of posts, when the welded mesh is attached to the posts. The struts are always installed so that the effect against the tensions of the welded mesh. Therefore they are fixed with concrete in soil, and fastened to post always at 1/3 post height above ground (measured from upper end of post), at an angle of 45 degrees to post (see image). The strut length is approximately the same as post length. The struts are always installed as follows:

- to beginning fence post (1 pcs)
- to each corner fence post (2 pcs)
- to each fence post, where the direction of fence route is changing (2 pcs)
- to each fence post after 30 m in case the straight route of fence (2 pcs)
- to terminal fence post (1 pcs)

After the posts and struts are fixed with concrete, before installation of knotted mesh to posts, it is necessary to leave concrete to cure. The optimum curing time is one week approximately, but this is depending on actual weather.

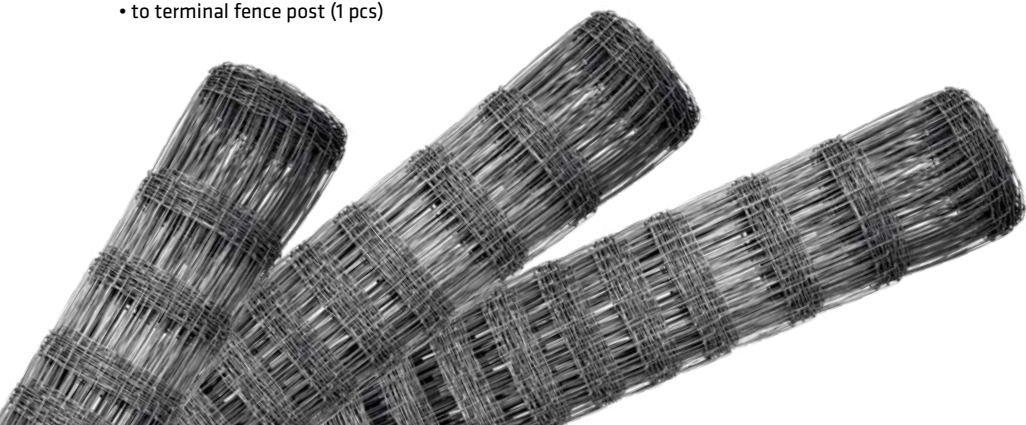
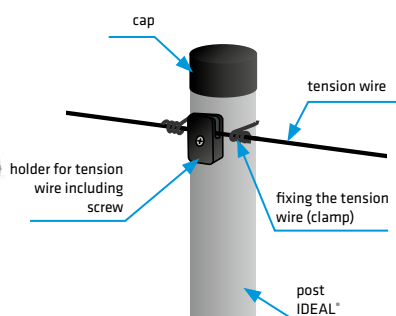
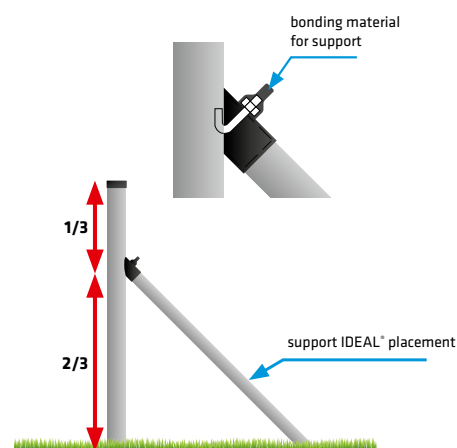
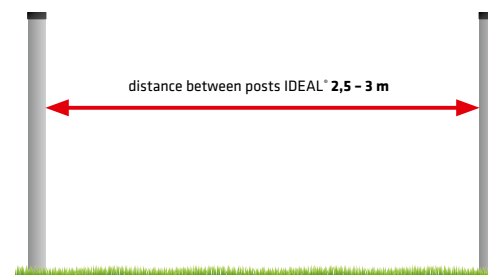
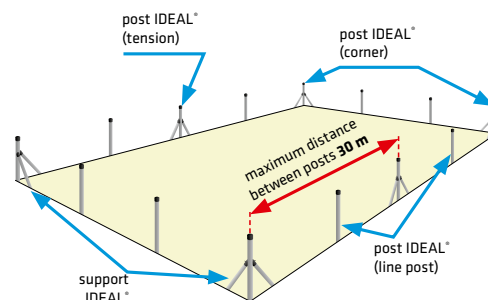
Installation procedure:

STANDARD and PREMIUM knotted mesh is regularly supported only by one tensioning wire, in upper part of mesh, to which it is attached. (All horizontal wires serve also as tensioning wires.)

The upper wire is fixed in its height with clamp of tensioning wire.

Before installing the knotted mesh to posts, the roll, in which the mesh is supplied, must be unwound from beginning post in direction of fence route and the beginning is tied to post with tie wire. If the fence length is higher than length of knotted mesh (usually the roll has 50 m length), the knotted mesh is connected out of posts using IDEAL® clamps, always using the overlap at least one mesh aperture. The prepared (unwound) mesh, with one of its end fastened to braced post, is provide with tensioning comb on the other end (large or small) and using the tackle or star wheel mounted at fixed object (for example braked truck), is tensioned properly. In tensioned condition, the mesh is fixed to all posts in required height, using the tie wire. The excess mesh end behind the terminal post is cut. When necessary, the mesh can be locally tensioned using the creping (increasing the waviness) of horizontal wires with creping pliers.

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B. INSTALLATION OF MESH ON ROUGH TERRAIN

Small land wave

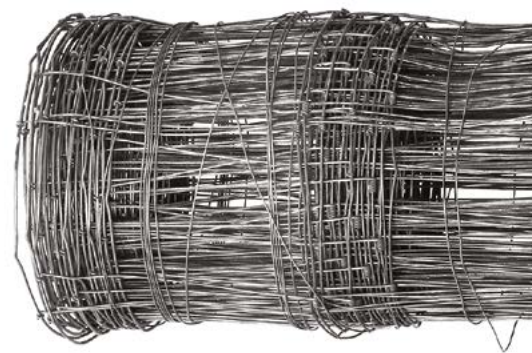
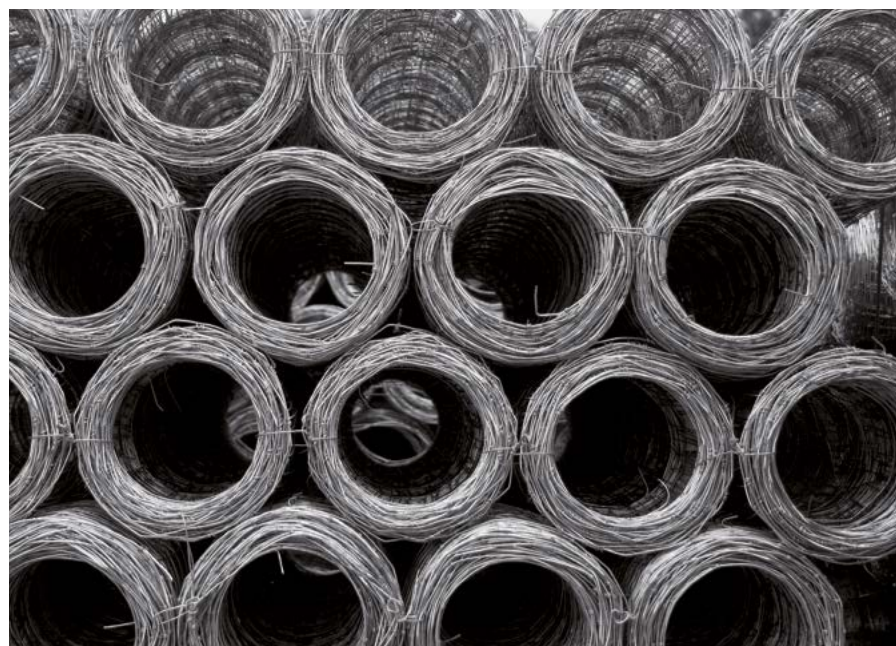
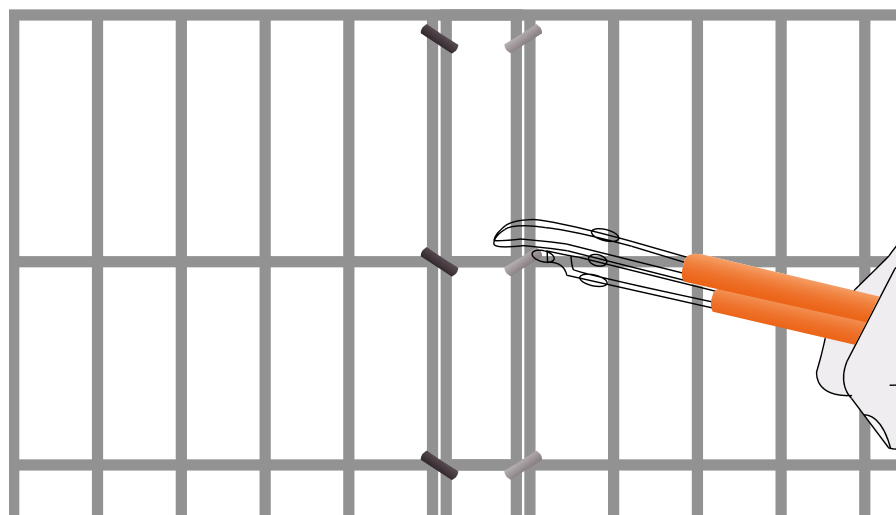
STANDARD and PREMIUM meshes are strong, but at the same time flexible in larger lengths, thus enabling their matching to land waves and posts in vertical direction. The installation on rough terrain is the same as installation on leveled terrain, up to the tensioning of mesh using the tackle, when the mesh can be fixed with vertical tension on posts in required height. If necessary, the mesh can be locally tensioned with creping pliers.

Larger land waves and stairs

If the method of height adjustment of the mesh per land waves cannot be used due to larger waves, the method using the height steps between neighboring meshes is used. The meshes are installed similarly to installed meshes on level sections, but the length of route is substantially shorter. The single section length is usually 6 meters, and height step 20 cm maximum.

C. CONNECTING THE ENDS OF TWO MESHES

For solid connection of two ends of meshes, you have to overlap two couples of vertical wires of both meshes (horizontal overlap of one aperture) and connect them with clamps (according to type of mesh), i.e. crosswise over the connections, as shown in the image.



method of unwinding of **knotted mesh**
STANDARD or PREMIUM

