



Instructions for assembling chain link fences IDEAL®

A. STANDARD INSTALLATION

15 to 23 cm in diameter holes for posts and supports 2,5 to 3 m apart will be prepared along the intended future fence line. Holes must reach a non-freezing depth, at least 80 cm.

Standard posts Ideal®, used with the corresponding length of chain link fences Ideal®, installed into the holes at the correct height, where the necessary height is defined by the tension wire holder (see illustration), are fixed into concrete which is not excessively thin. End and corner posts, as is the case for every maximum eighth straight post, must be supported with Ideal® supports of the corresponding length.

Tension posts are fixed using supports which must counteract the tension of the fence and are installed:

- at the beginning of the fence
- at each corner of the fence
- at each change in direction of the fence
- after every maximum 25 m of straight fence
- at the end of the fence

Supports are used to secure the vertical position of fence posts after posts have been installed and the fence has been stretched. Supports are always installed to counteract the direction in which the fence tension is oriented. For this reason, they are fixed with concrete and screwed to the post always at 1/2 of the height of the post above the ground (measured from the top end of the post) and form an ideal 45 degree angle (see illustration). The length of supports is always about the same as the post length. Supports are always installed:

- on the initial fence post (1 piece)
- on each fence corner post (2 pieces)
- on each fence post where the fence line changes direction (2 pieces)
- on each post after every maximum 25 m providing the line of the fence is straight (2 pieces)
- on the final fence post (1 piece)

After fixing the posts and supports into concrete, the concrete shall be left to properly dry before installing the fence onto the posts. The optimal period is about one week, however, it strongly depends on the current weather situation.

Assembly procedure:

The chain link fence Ideal® is carried through a warp of horizontal tension wires to which it is attached. The horizontal tension wires are stronger than the fence wire and are fixed to all posts. Common practice is having three horizontal rows of tension wires stretched on the posts. The top wire is adjusted into the tension

wire holder, the bottom wire is installed on the post at a height of about 5-10 cm above the future ground and the third horizontal wire is installed in the middle of the fence height. All three horizontal tension wires are stretched using tensioners.

The chain link fence Ideal® is installed by completely unrolling the entire role of fence along the fence line, which in the mean time consists of supported posts with warp made of three stretched tension wires, the top knot of the chain link fence is opened and the fence is hung approximately after every 6th open knot on the top tension wire along the entire length of fencing. In this phase, where the fence hangs freely on the top vertical tension wire, the end vertical side of the fence is tied to the end post using a binding wire. The entire length of the fence is now stretched (25 m long max) in the direction leading from the end supported fence post by installing a tension comb (small or large) on the other end and stretching the fence using a reel or beam anchored to a solid object (e.g. on a still truck).

In this state, the chain link fence is fixed to the middle and bottom horizontal tension wire using a binding wire. The fence is fixed to the top tension wire by closing the open fence knots. Binding wires can be substituted by special clamps.

The end of the fence is tied to the end post using a binding wire. The fence is tied to straight posts with a binding wire.

B. INSTALLING THE FENCE ON AN UNEVEN GROUND WITH THE INSTRUCTION TO "COPY" THE GROUND

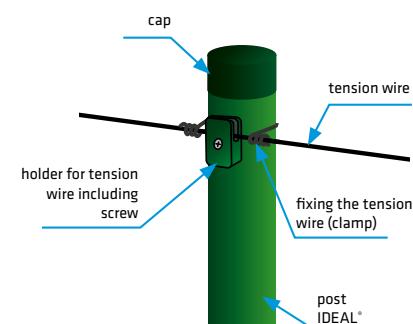
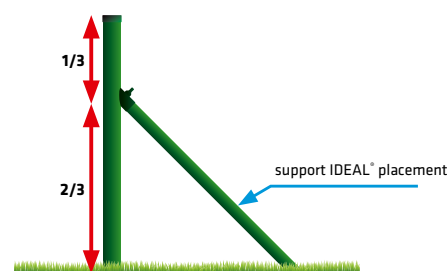
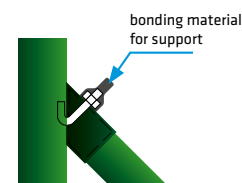
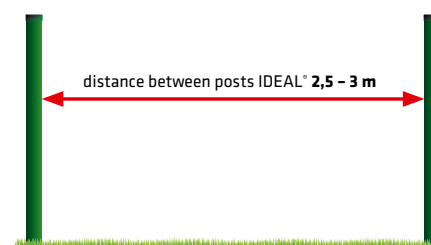
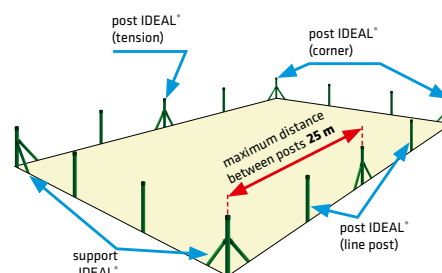
Smaller ground waves

The chain link fence is solid, but at the same time it can be flexible at greater lengths, enabling its adaptation to ground waves and posts in the vertical direction. The installation on uneven grounds is identical to the installation on a flat ground, including the stretching process using a reel to fix the net onto the posts at the proper height using vertical tension.

Larger ground waves and steps

If larger unevenness does not allow the use of technology to adapt the fence to ground waves, the method used is to cut off and join the fence on posts using height steps between neighboring fence segments. The fence installation is identical to the installation on flat surfaces with the exception being the fence line is significantly shorter. The length of one segment is usually up to 6 m and the height step reaches 20 cm.

DISTRIBUTION OF POSTS IDEAL®

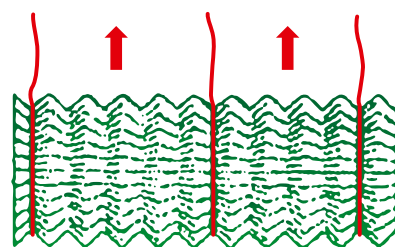




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C. FENCING WITH CONCRETE DIGGING BOARDS UNDER THE FENCE

When installing fencing with concrete digging boards under the fence, straight or end holders for digging boards are used for installing boards between posts. The holders are fixed to the posts using self-cutting screws. Concrete digging boards are loosely inserted into the digging board holders. The standard fence installation process continues once the digging boards have been installed. The installation system is the same, just longer posts shall be used. The length of the posts shall increase by the length of the board, and supports shall be installed into the ground beyond the direction of the fencing line, about 10 cm in the direction towards the property. Supports are never adjusted to the top of concrete digging boards!

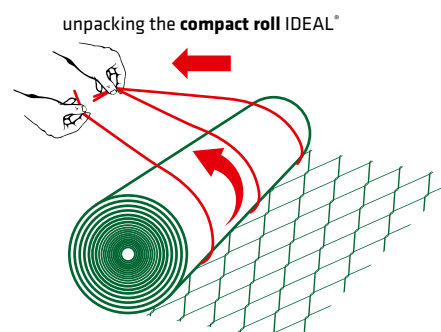


D. PREPARING THE FENCE BEFORE INSTALLING ONTO POSTS

Place the entire compactly packed chain link fence on a flat surface with the free end of the roll on the bottom. The roll will be unrolled in the direction of the fencing and at the same time, the fence will remain on the bottom part of the roll, meaning it will stay on the ground. Release and prepare the ends of nylon twine, remove the wire holding the roll in a compact state and hold the end of the nylon twine...

E. UNROLLING THE COMPACT FENCE ROLL

... carefully pull on the end of the twine until the fence is spread into one flat matting. When unrolling, the roll is moved and the unrolled fence is still. THE UNROLLED PART OF THE FENCE LIES ON THE GROUND AND DOES NOT MOVE!



F. DIVIDING AND JOINING

With the fence lying still on the ground, unrolled, we open both ends of one wire spiral. To divide the fence, we turn the released wire spiral counter clockwise until it is completely removed, which leads to the fence being divided into two parts. To join the fence, we proceed in reverse order. Place the loose ends of the fence together and using one wire spiral, prepared in advanced, turn clockwise until the loose ends are joined. After "screwing" the entire wire spiral, bend both ends of the wire into their original form. The fence is joined.

