



Instructions for assembling PILOFOR® welded panels on rectangular posts PILODEL® 60 × 40 mm

INSTALLING STRAIGHT FENCING

15 to 23 cm in diameter holes for posts 253 cm apart, measured from the center of the hole, will be prepared along the intended future fence line when clamp **A.** is used, 258 cm when clamp **B.** Holes must reach a non-freezing depth, at least 80 cm. Standard posts PILODEL®, with the corresponding length, are installed into the prepared holes at the proper height. End, straight and corner posts are not distinguished for this type of fencing. It is recommended to prepare a wooden mold for concreting the posts (see fig. 1.). Posts must be precisely leveled for concreting both in terms of direction and height, the distance between them must be precise and they must be completely perpendicular. After fixing the posts into concrete, the concrete shall be left to properly dry before installing the panels onto the posts. The optimal period is about one week, however, it strongly depends on the current weather situation. Supports are not used for this type of fencing.

Panels are gradually fixed to concrete posts with the last panel, usually installed on the exterior side of the fence when fixed with clamp **A.** or on the site of the post when used clamp **B.** Neighboring panels are fixed to the post using the corresponding amount of clamps (according to the height of panels - see table) so that we can install

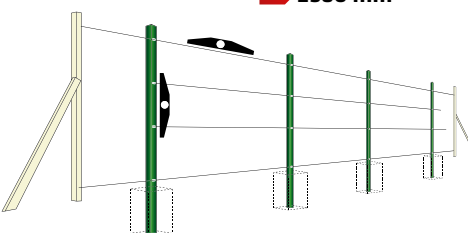
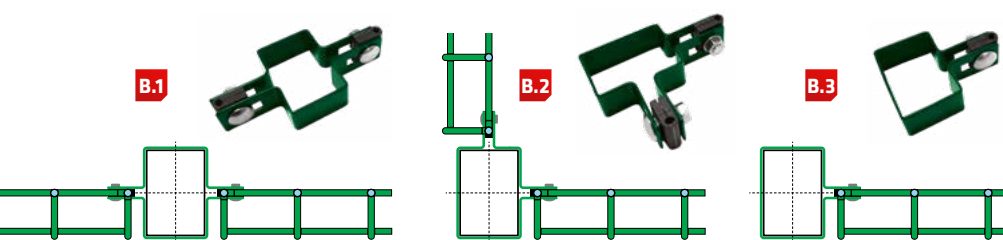
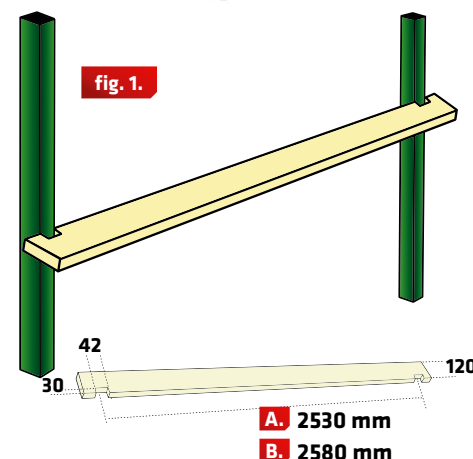
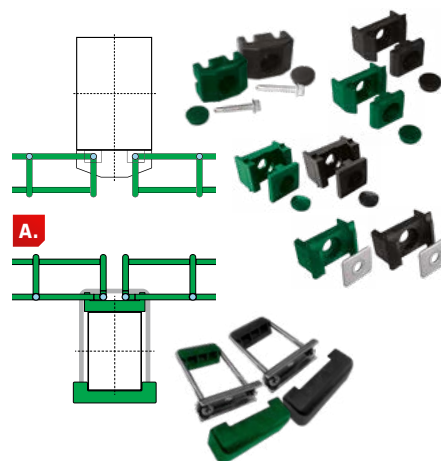
both neighboring panels into one clamp. When we use clamp **A.**, it is only one version used for all connections (continuous, corner or terminal). When we use clamps **B.**, we have three versions - **B.1** continuous, **B.2** corner and **B.3** terminal.

If the panel contains pressed "V" shaped beams (PILOFOR® LIGHT, CLASSIC), the holder is always placed under the bottom horizontal wire of each pressed "V" shaped beam. If the panel does not contain pressed "V" shaped beams (PILOFOR® SUPER, SUPER STRONG), the corresponding number of holders are distributed evenly along the entire height of the panel, though always under a horizontal wire.

INSTALLING FENCING WITH BENDS

Corners to the fencing (any bends changing the direction of the fencing line) can be realized in two options:

1. When clamp **A.** is used we can concrete the post twisted in to the inclined angle or same way as we concrete straight fencing when we twist just the panel inside the clamp
2. When clamp **B.** is used we can concrete **B.1 (B.B)** and twist the post to the inclined angle or with **B.2 (B.C)** when angle is 90°. Post is in this option concreted same way as we do straight fencing. For terminal we use clamp **B.3 (B.D)**.



PANEL HEIGHT	NUMBER OF HOLDERS
for straight and end posts*	
630 mm	2
1030 mm	2
1230 mm	3
1430/1530 mm	3
1630-1730 mm	3
1830 mm	4
2030 mm	4
2430 mm	4

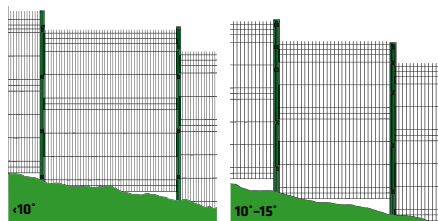
* the number of holders for posts is greater for corner posts



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INSTALLING FENCING ON HILLS AND VARIABLE HEIGHTS

PILOFOR® panels can only be installed horizontally. Panels never copy the surface and do not adapt to the ground inclination. For installing fences on hills, the neighboring panels on the post are mutually separated in terms of height. This will result in two offsets on the post - one at the top and one at the bottom. The number of holders on this post will be increased by 2 pieces, compared to a standard installation, in order to fix the top and bottom ends of the "offset" panel. It is necessary to mind the need to use longer posts in places where there are offsets. The recommended highest offset in terms of height is 20 cm.



PANEL INSTALLATION AT THE END OF THE FENCING LINE

PILOFOR® panels can be shortened as necessary and according to the length of the fencing segment, always with the multiple of the distance between vertical wires. The shortened panel installation is identical to the standard installation, or to the installation for bends or in steps. When panels are shortened it's important to treat the cut.



FENCING WITH ANTI-TRESPASS ELEMENTS ABOVE THE FENCING

Barb wires or razor blade strips can be installed above the panels in two ways:

a) placing bavolets on top of posts and installing 3 rows of barb wire or razor blade strips

Bavolets are usually one-armed 50cm post attachments, forming an 45 degree angle with the post, which increase the height of the fence by 30 cm. Bavolets are also suitable for the installation of razor blade spirals.



b) installing 1-5 rows of barb wire or razor blade strips, directly onto the posts above the panels

For this method of increasing the security level of the fence, the barb wire or razor blade strips are installed directly on the posts above the panels into tension wire holders installed on the post in advance, usually 10-15 cm apart. With this option, it is necessary to count on proportionately longer posts depending on the number of rows of security elements.

