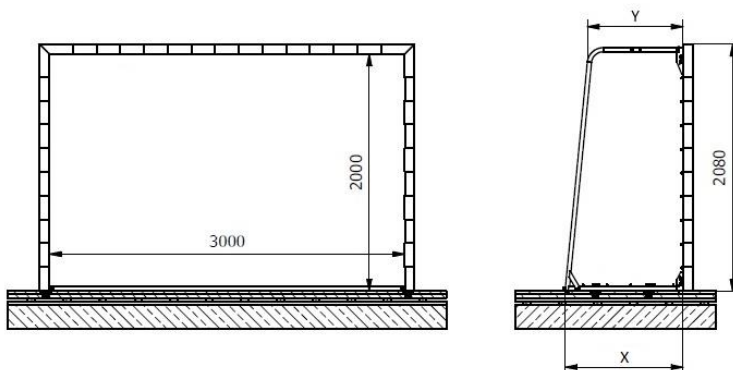


Group:	Product name:	Art. No.:
3. Handball	1. Professional aluminum handball goals 3x2 m, reinforced profile 80x80 mm, steel folding bows, the main frame of the goal connected in the corners	3-42
	2. The set of plates to install the goal on the sports hall floor	3-23
	3. The set of plates-support, embedded in concrete	3-22
	4. The set of pins driven into the soil to install the goal	3-21
	5. Handball net	3-03 – 3-10

Dear Customers,

Thank you for choosing PESMENPOL product. We have made every effort to ensure its durability, functionality and aesthetics. We encourage you to read this document. It contains information about the installation and safe operating. Use our recommendation to ensure long and reliable use of our product.

We congratulate you on excellent choice and wish you a nice use!



General information

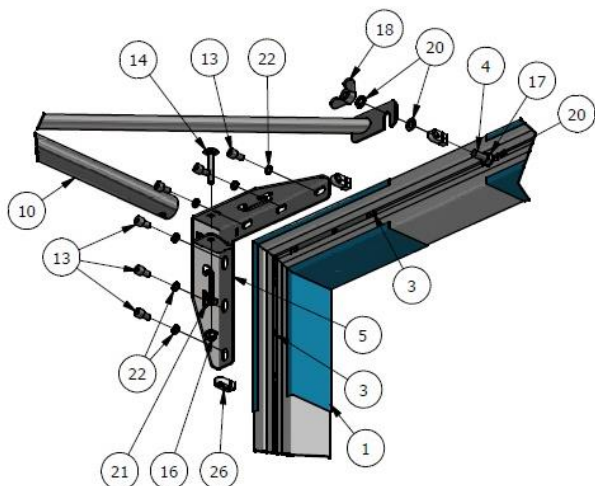
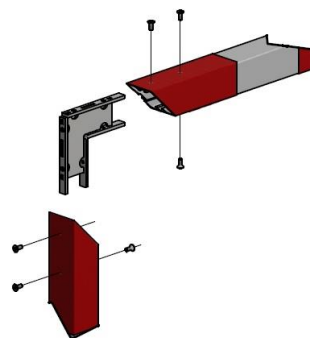
The main frame of the goal is made of special extruded aluminum profile 80x80 mm with additional ribs. Folding bows are made of calibrated steel pipe $\varnothing 35 \times 1,5$ mm and steel profile 30x30x1,5 mm. The bottom crossbar is made of steel profile 30x30x1,5 mm. The main frame has a groove, and the bottom profiles of the bows and the bottom crossbar have laser-cut holes for fixing the net, using secure plastic handles. All steel elements are protected by galvanizing, and aluminum components by anodizing. The goals are certified for compliance with the standards PN-EN 749 – „Playing field equipment. Handball goals. Functional and safety requirements, test methods“.

List of elements (for one goal)

Nº	Name of the element	Quantity	Nº	Name of the element	Quantity
1	The main frame	1	15	Round head screw M6 x 45	2
2	Flat bar L=90	2	16	Self-locking nut M8 (Class 8)	4
3	Flat bar L=170	4	17	Nut M10 (Class 8)	2
4	Flat bar with M10 threaded rod	2	18	Wing nut M10 (Class 8)	2
5	Upper left hinge	1	19	Wing nut M6 (Class 8)	2
6	Upper right hinge	1	20	Washer 10	6
7	Lower left hinge	1	21	Washer 8	4
8	Lower right hinge	1	22	Spring washer 8	16
9	Right folding bow	1	23	Countersunk wood screw 5x50	16
10	Left folding bow	1	24	Plastic head screw M12x65	4
11	Bottom profile	1	25	Plastic cap 80x80	2
12	Floor plate (or plate-support)	4	26	Plastic net handle	57
13	Cylindrical head Allen screw M8 x 16	16	27	Net	1
14	Round head screw M8 x 50	4	28*	Fixing pin	4

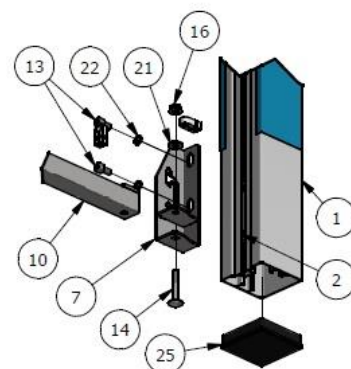
Stage I – Screwing the goal together

1. At the beginning connect together the main frame of the goal (pos. 1), consisting of 2 posts and a crossbar. Slide the corner connector inside the aluminum profiles from the beveled ends, so that the posts and the crossbar form a right angle. Use countersunk head screws (screws included with the corner element kit) to screw the corner connector with aluminum profiles. See the picture on the right. *NOTE: The ribs in the posts and crossbar must coincide.*



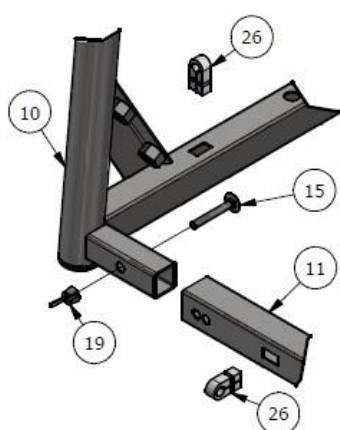
2. Place the flat bar (pos. 3) in the groove of the main frame, near the corner.
3. Fix the upper hinges: left (pos. 5) and right (pos. 6) to the main frame (pos. 1), using spring washers (pos. 22) and cylindrical head screws (pos. 13), which should be screwed to the previously inserted flat bar (pos. 3) – see the picture on the left.

4. Slide the flat bar (pos. 2) into the groove of the post and set it at the height of the lower bow fixing point. Fix the lower hinges (pos. 7 and 8) to the main frame (pos. 1), using the same screws and washers as in the previous point. Screw the cylindrical head screw (pos. 13) to the previously inserted flat bar (pos. 2). See the picture on the right.



main frame (pos. 1), using the same screws and washers as in the previous point. Screw the cylindrical head screw (pos. 13) to the previously inserted flat bar (pos. 2). See the picture on the right.

5. In the next step, attach the bows (pos. 9 and 10) to the hinges, using round head screws (pos. 14), washers 8 (pos. 21) and self-locking nuts (pos. 16). Screws should be embedded in the hinge from the side with specially prepared square holes. Screw the braces on the bows (pos. 8 and 9) to the flat with a threaded rod (pos. 4) in the crossbar groove, using wing nut (pos. 18) and washers 10 (pos. 20).



6. To make the whole structure more rigid, in the rear part connect the bows (pos. 9 and 10) with the bottom crossbar (pos. 11). Fasten the bottom crossbar, using round head screws (pos. 15) and wing nuts (pos. 19). See the picture on the left.

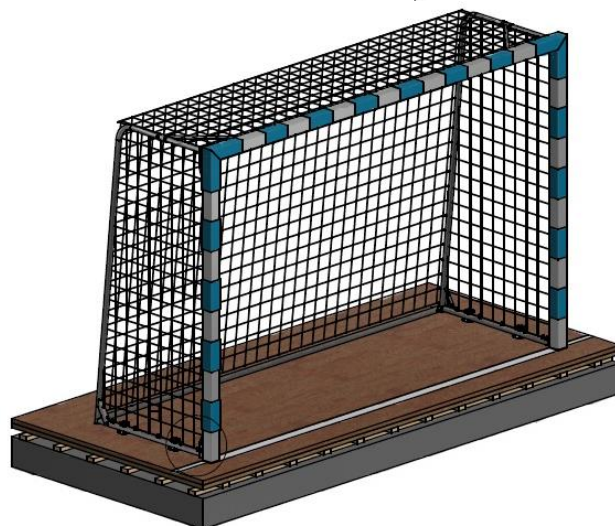
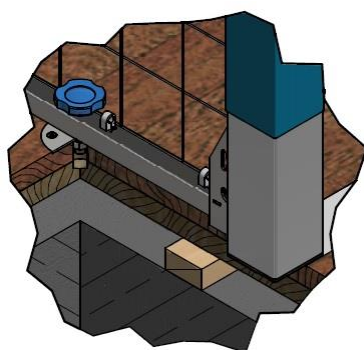
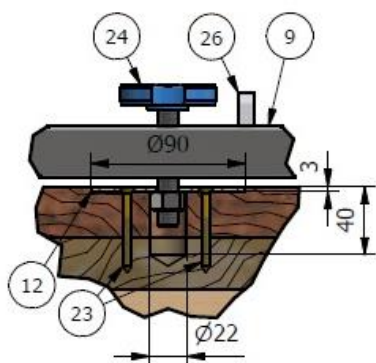
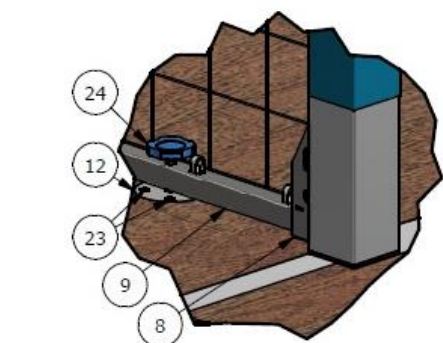
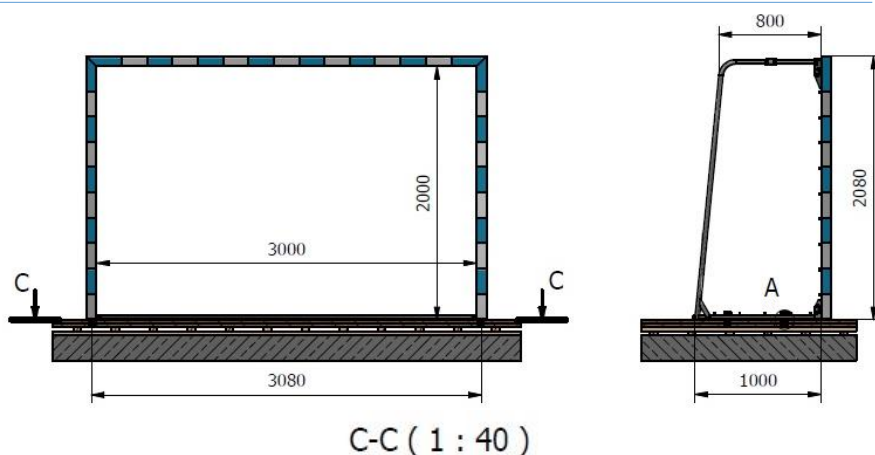
7. Put the net (pos. 27) and fix it to the main frame, bows and bottom crossbar, using plastic handles (pos. 26).



Stage II – Mounting the goal to the ground

Option I – Mounting on the floor plates

1. Set the goal in the desired place and mark the place of fixing the plates to the floor. Fasten the handle, then use the clamping screws to tighten the goal bows. See the pictures.



Option II – Mounting with the use of installation plates support, embedded in concrete

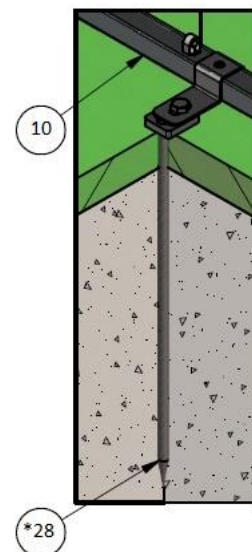
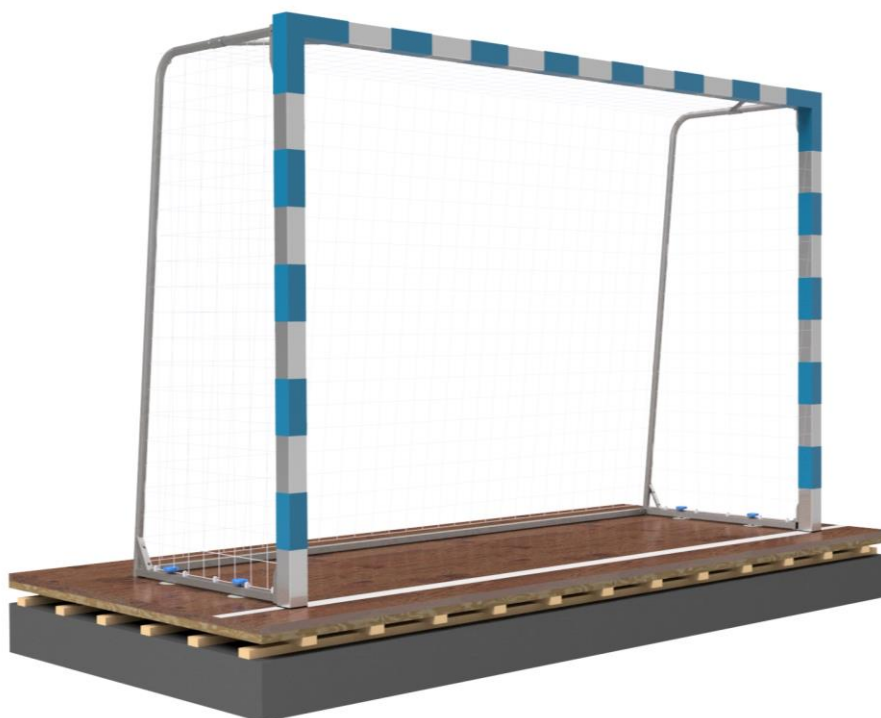
1. Set the goal in the desired place and mark the place of fixing the installation plates support to the floor.
2. The goals should be installed in the sports hall's ground with proper bearing capacity. In a case of installation on the outdoor court, the size of foundations should be determined by the characteristic of the ground. Minimum depth of the foundations is 50 cm. The foundation should be made of concrete class at least C16/20.
3. The installation plates supports should be embedded perpendicularly to the ground; axial spacing, measured along the end line of the court, is 3058 mm.
4. The goals can be installed only when concrete obtains full strength (min. 7 days).

NOTE – the pictures show the seating dimensions of installation plates / supports for the goal with the standard depth 800 mm top and 1000 bottom.

Option III – Mounting with the use of fixing pins

1. Set the goal in the desired place, then push the pin (pos. 28*) into the soil, resting the fixing plate of the pin on the bow.

Goals 3-42 cannot be installed in the sleeves.



NOTICE!

1. Handball goals are intended exclusively for handball or other games, listed by the manufacturer, and may not be used for other purposes.
2. Before the use, check the fastening of all individual elements.
3. Climbing on the goal or on the net is forbidden.
4. After dismantling the goals, clean out the dirt, if necessary.
5. Store the goals and equipment elements in a clean, dry room.