

Assembly instruction

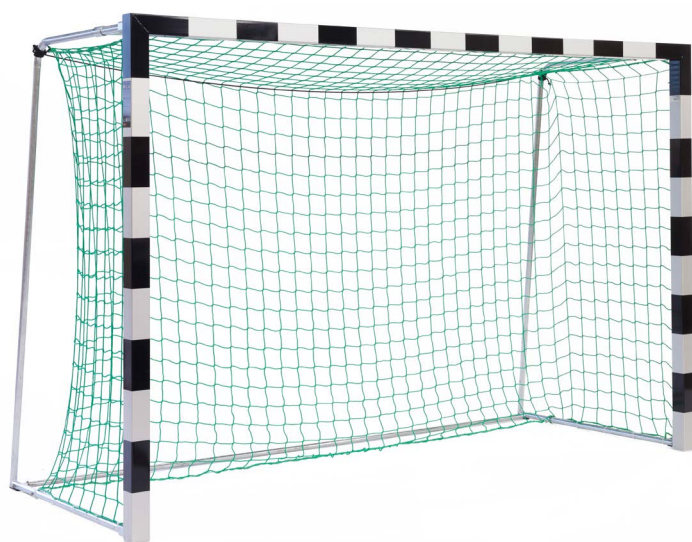
Art.-Nr.: 115 0911
239 3100
239 3113
203 4515
203 4531
203 4544
113 6119

Sport-Thieme® Handball Goal

3x2 m, Free-standing with Fixed Net Brackets

Thanks for choosing Sport-Thieme equipment!

In order to enjoy this product please note the following instructions for safety, use and maintenance before assembly.



Cat.-no. 115 0911:

Sport-Thieme
Handball Goal 3x2 m,
with Folding Net Brackets

Cat.-no. 203 4515:

Sport-Thieme
Handball Goal, 3x2 m,
socketed, with Folding Net
Brackets



Art.-Nr. 113 6119:

Sport-Thieme
Indoor Football Goal, 5x2 m

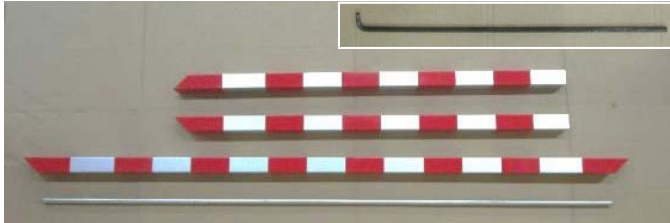
Assembly instruction Cat.-no. 115 0911/

239 3100/239 3113/203 4515/203 4531/203 4544/113 6119

1. Scope of delivery

Please check the following content before assembly.

The following indicated quantities refer to 1 goal. In case of a delivery in pairs we double the amount correspondingly. Pictured colours of profiles are only samples and may differ from delivered profiles.



Piece	Description
1	Galvanized steel ground tube Ø ¾"
1	Crossbar, profile 80 x 80 mm
2	Upright, profile 80 x 80 mm
1	Hexagon screwdriver SW6, DIN 911, length approx. 470 mm (only for goal in ground sockets)



Piece	Description
2	Net hoop

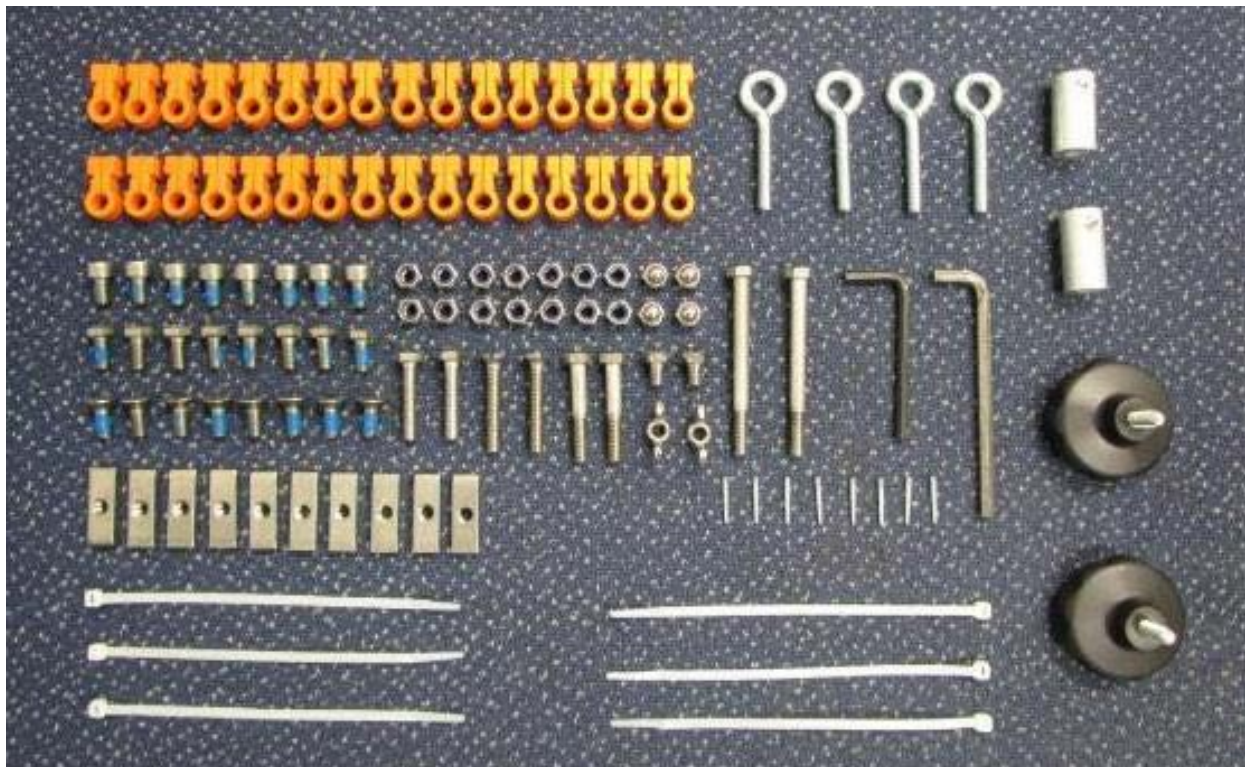


Piece	Description
2	Aluminium cast corner joint
2	Upright cap
2	Upper steel hinge (1 right, 1 left), galvanized
2	Lower steel hinge (1 right, 1 left), galvanized
2	Steel brace, galvanized
1	Accessories



Piece	Description
	Following parts only for catalogue no. 203 4515 – goal in ground sockets
2	Ground socket, length 300 mm
2	Cap for ground socket

Accessories



Piece	Description
32	Net holder
2	Bushes with thread M8, of aluminium round tube 20 x 5 mm, length 40 mm
10	Nut, 40 mm, thread M8
2	Hand wheel M8
6	Plastic holder
4	Ring nut M8 x 50mm
8	Plug pin
2	Hexagon screw M8 x 90mm, DIN 931
2	Hexagon screw M8 x 12mm, DIN 933
8	Hexagon socket screw M8 x 20mm, DIN 7991
8	Hexagon socket screw M8 x 14mm, DIN 912
8	Hexagon screw, M8 x 16mm, DIN 933
2	Hexagon screw M8 x 50mm, DIN 931
2	Flat head screw M8 x 50mm, DIN 963
2	Hexagon screw M8 x 40mm, DIN 933
12	Self-locking nut M8, DIN 985
6	Self-locking cap nut M8, DIN 986
2	Wing nut M8, DIN 315
1	Hexagon screwdriver SW5, DIN 911, black
1	Hexagon screwdriver SW6, DIN 911, length 120 mm
1	Assembly instruction

2. Assembly of the goal

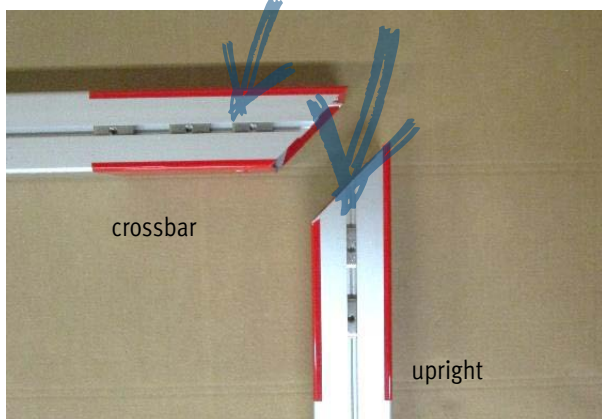
The following tools are necessary:

- 2 wrench/ring spanners 13 mm
- 1 mallet/hammer
- 1 drill $\varnothing 1,5$ mm
- 1 thin screw driver (for net hook fixing if necessary)

a) Assembly of crossbar/uprights:

Lay crossbar and uprights on the ground, groove facing upwards and mitres joining. Stick at each goal frame corner 5 nuts with thread M8, length 40 mm into the groove of the net hook rail (push 2 into the upright and 3 into the crossbar, see 1st picture bottom left). Stick cast corner joint into crossbar's end (see 2nd picture bottom right). Then add the upright. Take care that the internal edge of corner upright/crossbar is nearly closed. The external edge should be somewhat open, see 3rd picture bottom left. Screw 2 hexagon socket screws DIN 7991, M8 x 20mm in the internal corner (see 4th picture bottom right).

1. push nuts into the groove

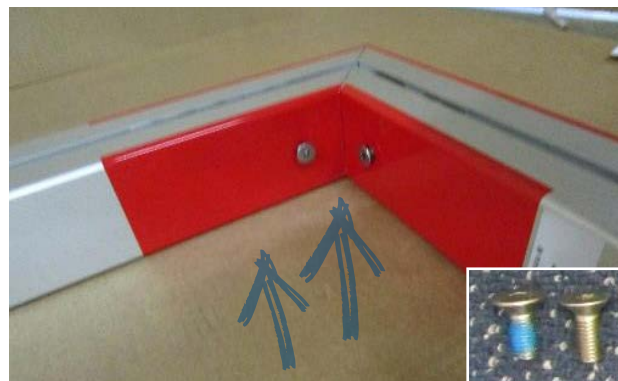
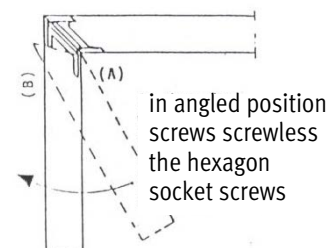


2. insert aluminium cast corner joint



3. push mitre of internal edge close together

leave open external edge



4. screw hexagon socket screws M8 x 20 slightly

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Then join upright and crossbar at the external edge and adjust upright and crossbar. Screw 2 hexagon socket screws DIN 7991, M8 x 20mm in the external corner and tighten all screws (see bottom pictures).

join and adjust corner



Advice: Due to production tolerances of the aluminium cast corner joints problems during adjustment of corners may possibly occur. Then shorten the stamps in the uprights with a flat file.

b) Assembly of net hoops at the top

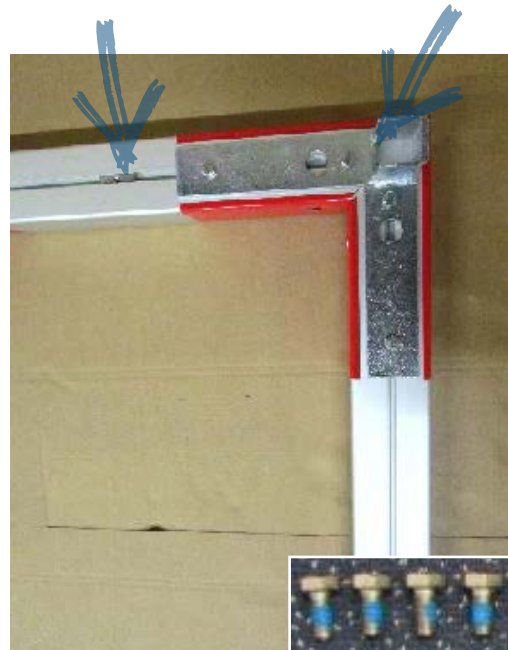
Place steel hinges/angles on the edges of crossbar/upright construction, the open sides of the U-profiles facing to the goal inside (see picture bottom right). Push mounted nuts to the holes of the steel hinge. Then screw hexagon socket screws DIN 933, M8 x 16mm and fix them slightly in the nuts (see picture bottom right). Then align the corner and tighten all screws.

Between standing



push 3rd nut in the crossbar
next to the hinge

open side of U-profile facing
to the goal inside



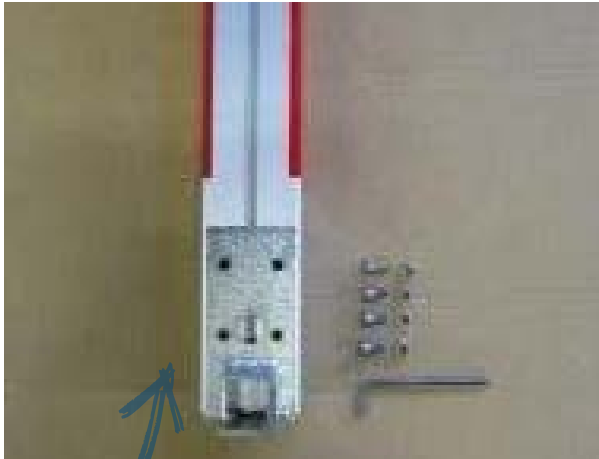
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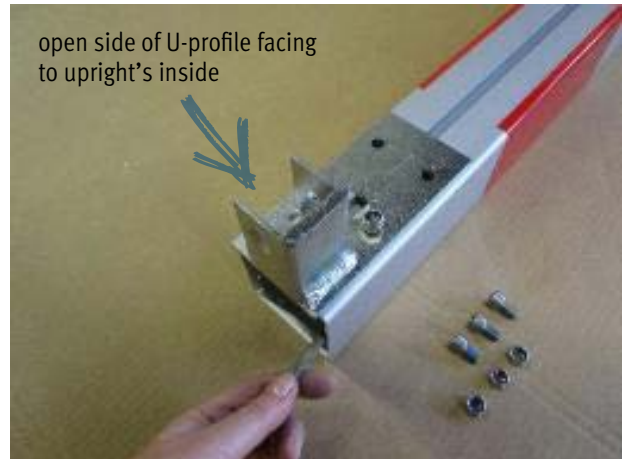
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c) Assembly of lower steel hinge – upright of free standing goal, cat.-no.: 115 0911 and 113 6119

Place lower steel hinge over the holes provided at the bottom of the upright, the open side of the U-profile facing to the goal inside (see pictures bottom left and right). Stick from the inside 4 hexagon socket screws DIN 912, M8 x 14mm with hexagon screwdriver SW6, length 120mm through holes of upright and steel hinge. Screw from the outside 4 self-locking nuts DIN 985, M8 (see picture bottom right).



inside of goal upright



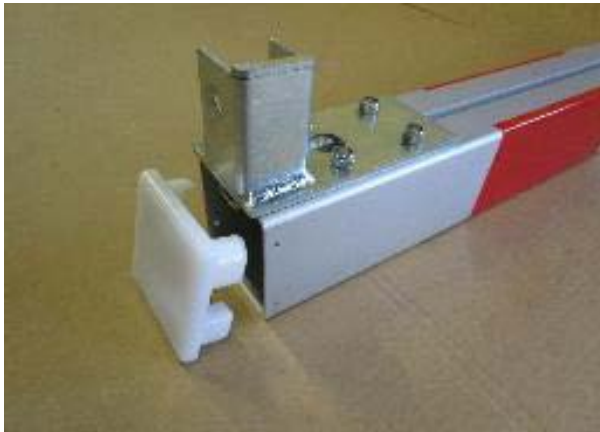
Assembly of lower steel hinge – upright of goal in ground sockets, cat.-no.: 203 4515

The assembly of the lower steel hinge is done as described above but with extended hexagon screwdriver SW6, length approx. 470 mm (see the following pictures).



d) Assembly of caps

Stick caps in the open ends of uprights (see picture bottom left). Bore them with drill 1.5 mm through the holes provided in the uprights. Then fix plug pins with a hammer/mallet (see picture bottom right).



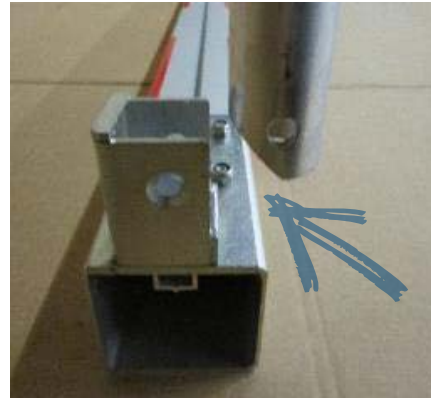
e) Assembly of net hoop

Stick from the inside 1 hexagon screw DIN 933, M8 x 40 through the hole of the net hoop. Then screw and tighten self-locking cap nut M8, DIN 986 (see picture bottom left). Now push the steel braces from the bottom on the net hoop (see picture bottom right).



f) Preparation assembly of net hoop on the top

Now push from the bottom net hoop brace (see picture bottom left). Stick net hoop into hinge parts and lay net hoop brace on the crossbar, the chamfered side of the net hoop facing to the outside (see 2nd picture bottom right). Then stick from the bottom 1 hexagon screw M8 x 50mm, DIN 932 through holes of the hinge (at edge crossbar/upright), screw and tighten from the top 1 self-locking nut M8, DIN 985.



chamfered side
of the net hoop
facing to the
outside

Push already mounted nut below the hole of net hoop brace and fix brace with hand wheel M8 (see the following pictures).



g) Assembly net hoop on the bottom – goal free standing cat.-no.: 115 0911 and 113 6119

Fix net hoop at the lower hinge. Stick from the bottom 1 flat head screw DIN 953, M8 x 50mm through holes of hinge and net hoop, screw and tighten 1 self-locking nut DIN 985, M8 (see pictures at the bottom). Then tighten also screws in the upper hinge.



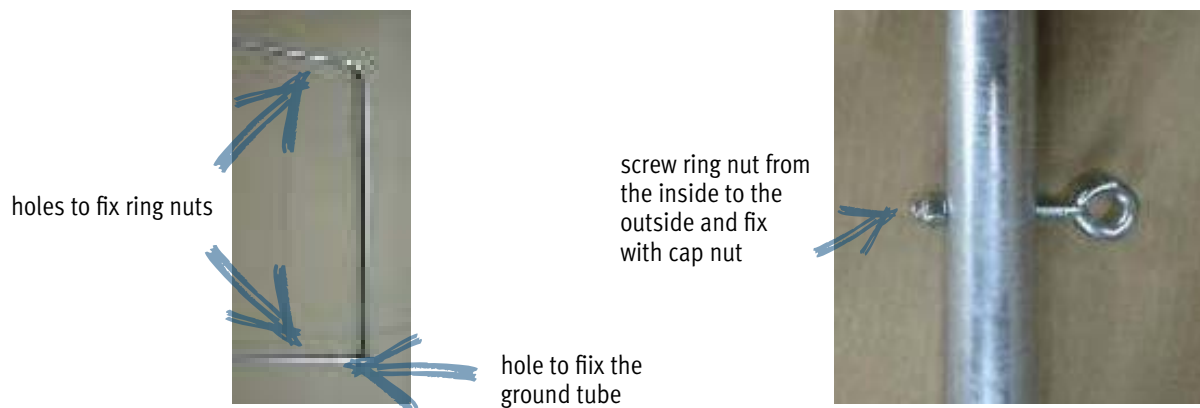
Assembly of lower net hoop – goal in ground sockets, cat.-no.: 203 4515

The assembly of the net hoop at the lower steel hinge is done as described above.



h) Assembly of ring nut

Stick from the inside ring nuts M8 x 50 through lateral and upper net hoop holes and fix them with cap nut M8, DIN 986 (see bottom picture)

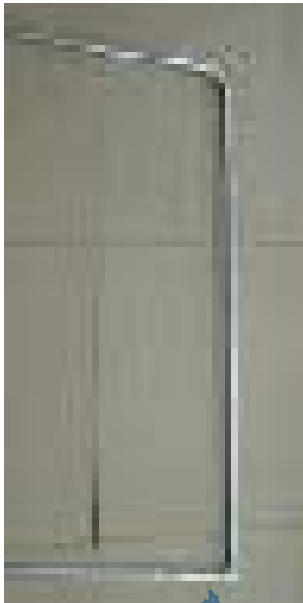


i) Assembly of ground tube

Stick hexagon screw DIN 931, M8 x 90 through bush of aluminium tube (see picture bottom left). Then push bush into the ground tube (see picture bottom mid) and screw hexagon screw DIN 933, M8 x 12mm through holes of bush and ground tube. Tighten screw (see picture bottom right).



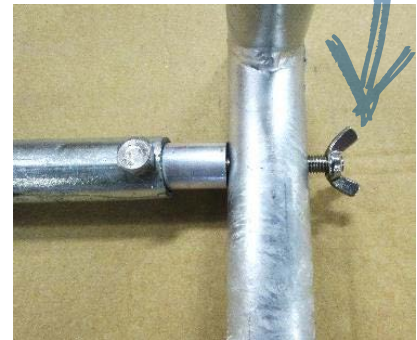
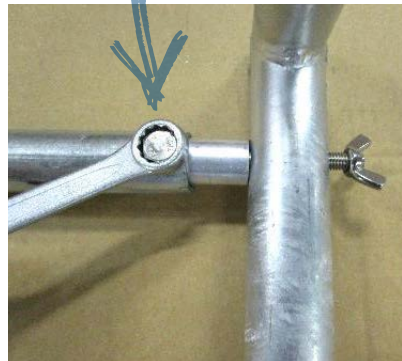
Fix ground tube between the net hoops into the back holes (see 1st picture bottom left). Screw 1 wing nut M8, DIN 315 so that the nut outside is flush with the screw of the bush (see 1st picture bottom right). Then unscrew hexagon screw at the ground tube (see 2st picture bottom left). Finally push screw with wing nut completely into the ground tube so that the nut is directly fixed on the net hoop (see last picture bottom right). Then tighten all screws and nuts.



hole to fix the ground tube



2. unscrew screw



1. nut outside flush with screw

3. push screw with wing nut into the ground tube



3. Assembly of the net

a) The net is not part of the delivery.

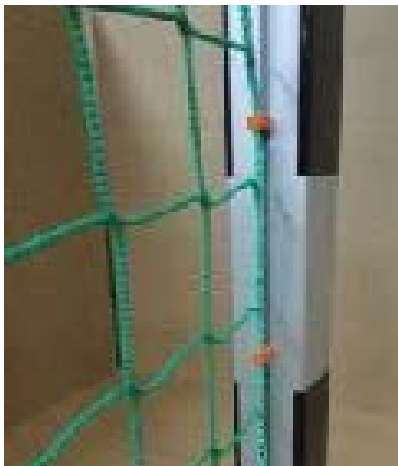
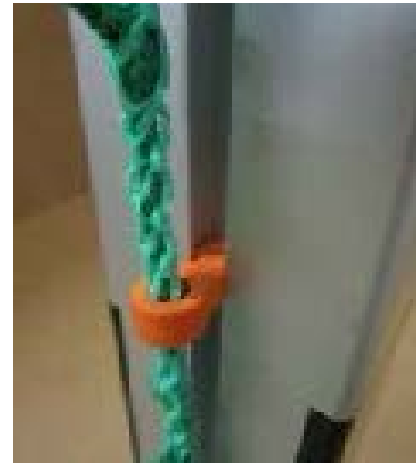
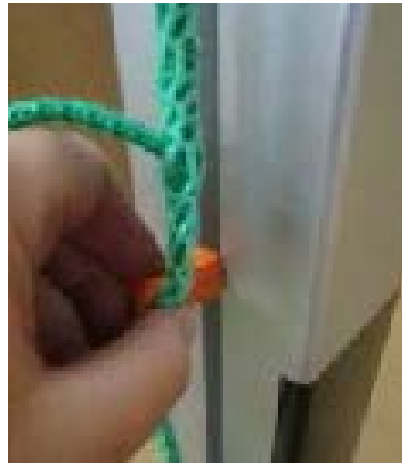
Fix net holders at the net rope. Bend open net holders a little and press rope into the holders. We recommend the following distribution of net holders:

crossbar : 16 pieces

uprights : 8 pieces each

After having mounted all net holders fix net at the goal construction. Erect the goal. Stick net holders in the net hook rail and fix them with a 90 degrees' rotation. Use a thin screw driver if necessary (please avoid damages at the goal).

Fix net with plastic holders in the bottom part of net hoops. Cut off protruding ends of plastic holders (see picture bottom right).



- b)** Fix ends of upper and lower tensioning rope at the mounted ring nuts. Cut off protruding rope ends (see bottom picture).



- c)** Dismantling of the net is also done by rotation of the net holders through 90 degrees. Use again a thin screw driver if necessary.

d) Storage of the goal

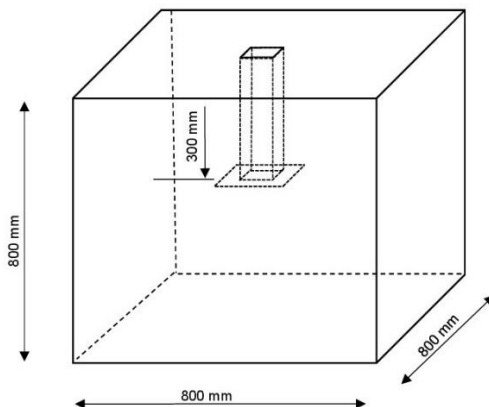
To store the goal hand wheels at the net hoop brace (see also step 2d). Fold net hoop braces. Then screw again hand wheels so that they don't get lost. Unscrew wing nuts at both sides of the ground tube and remove ground tube (see also step 2f). Screw again wing nuts so that they don't get lost. Then fold net hoops.



4. Assembly of the ground sockets

a) For handball gates with a size of 3,00 x 2,00 m the distance of the ground sockets must be 3,08 m (middle socket – middle socket = center distance).

b) Concrete ground sockets according to the sketch. Foundation dimensions: 800 x 800 x 800 mm.



c) Do not apply an acceleration mixture or antifreeze during as these adhesives may cause damages to the ground sockets.

d) After hardening of the concrete, the goal can be inserted into the sockets.

5. Maintenance, safety and storage instructions



This goal is only constructed for Handball and not for other purposes. Check all screwed fastenings before use and repeat it from time to time. It has to be protected against overturning at any time.

Do not climb net or goal frame. It is not allowed to fix additional parts or extensions at the goal frame which may impair the safety of the goal (according to EN 749).

Check screwed fastenings regularly and change damaged and wearing parts if need be. The unit should be maintained once a year by skilled personnel.

Notice

Due to our continuous quality check of products and equipment technical modifications are possible.

To avoid damage and misuse goals have to be stored secured and in an upright position when not in use.

Only use water for cleaning the surfaces. Do not use alcohol or any aggressive chemicals!