HAGRO
PLACHTOVÉ HALY

ASSEMBLY INSTRUCTIONS
ANIMAL SHELTERS



Livestock shelter 6 × 6 m

Dimensions 6 × 6 × 3.7 m · arch spacing 2 m

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6 × 6 × 3.7 m

BEFORE ASSEMBLY

TECHNICAL DATA

WIDTH	LENGTH	HEIGHT
6 m	6 m	3.7 m

ARCH SPACING
2 m

IMPORTANT – READ THE INSTRUCTIONS BEFORE ASSEMBLY

Incorrect site preparation, assembly or maintenance can cause unnecessary and costly errors. Each part is marked with a number given in the parts list – follow these numbers and the drawings during assembly.

- Tension the roof cover sufficiently so that no sagging ("pockets") forms on the roof, and retighten it once or twice after a few months of use.
- This applies especially to assembly in cold weather (autumn or winter): the cover is stiffer then, slackens when it gets warmer and must be retightened before the next winter.
- Remove snow from the roof immediately if it does not slide off by itself.

SAFETY DURING ASSEMBLY

1. Keep the work area clean. Clutter increases the risk of injury. Do not erect the shelter near snowdrifts, on slippery or wet surfaces or in strong wind.
2. Children must be kept away from the work area.
3. Do not lean out. Keep a stable stance and balance throughout the assembly.
4. Do not carry out assembly under the influence of alcohol, drugs or medication that may affect judgement or reflexes. If in doubt, do not carry out the assembly.
5. Allow for windy weather. If there is a risk of strong wind, fix the base in concrete. Remove the cover during a windstorm.
6. Be careful with heat and electrical power sources. Do not place heat sources near the cover and do not expose it to open fire.
7. Pay attention to personal safety during assembly and use. Take care not to trap your fingers between the clamps and tubes. During use, ensure sufficient ventilation to remove exhaust gases and other hazardous fumes.

TOOLS AND EQUIPMENT

Measuring tape · Alignment string · Stakes · Ladder or scissor lift · Hammer · Drill · Spanner · Knife · Lifting device

CHECK THE DELIVERY

PARTS LIST

NO.	Part name	Pcs
1	Roof arch tube	4 sets
2	Side wall arch tube	8 sets
3	Vertical support leg	8 sets
4	Longitudinal beam (purlin)	15 sets
5	Railing for side, front and rear walls	22 sets
6	Base plate – centre	4 sets
6L	Base plate – left corner	2 sets
6R	Base plate – right corner	2 sets
7	Base plate for front and rear door	4 sets
8	Lower vertical leg for front and rear door	4 sets
9	Upper vertical leg for front and rear door	4 sets
10L	Left door	1 pcs
10R	Right door	1 pcs
11	Door beam for both doors	2 sets
12	Single tube clamp with bolt M10 × 40	24 sets
13	Double tube clamp with bolt M10 × 40	22 pcs
14	Carriage bolt M8 × 80	64 pcs
15	Carriage bolt M10 × 90	28 pcs
16	Clip	4 pcs
17	Self-tapping screw	4 pcs
18	Lower roof cover tensioning tube	2 sets
19	Roof cover	1 pcs
19A	Rear cover	1 pcs
19B	Side shade net	2 pcs
20	Ratchet with strap	8 pcs
22	Rope (bundle)	1 bundle
23	Anchor stake	28 pcs
24	Plastic end cap Ø 25 mm	4 pcs
25	Plastic end cap Ø 40 mm	36 pcs

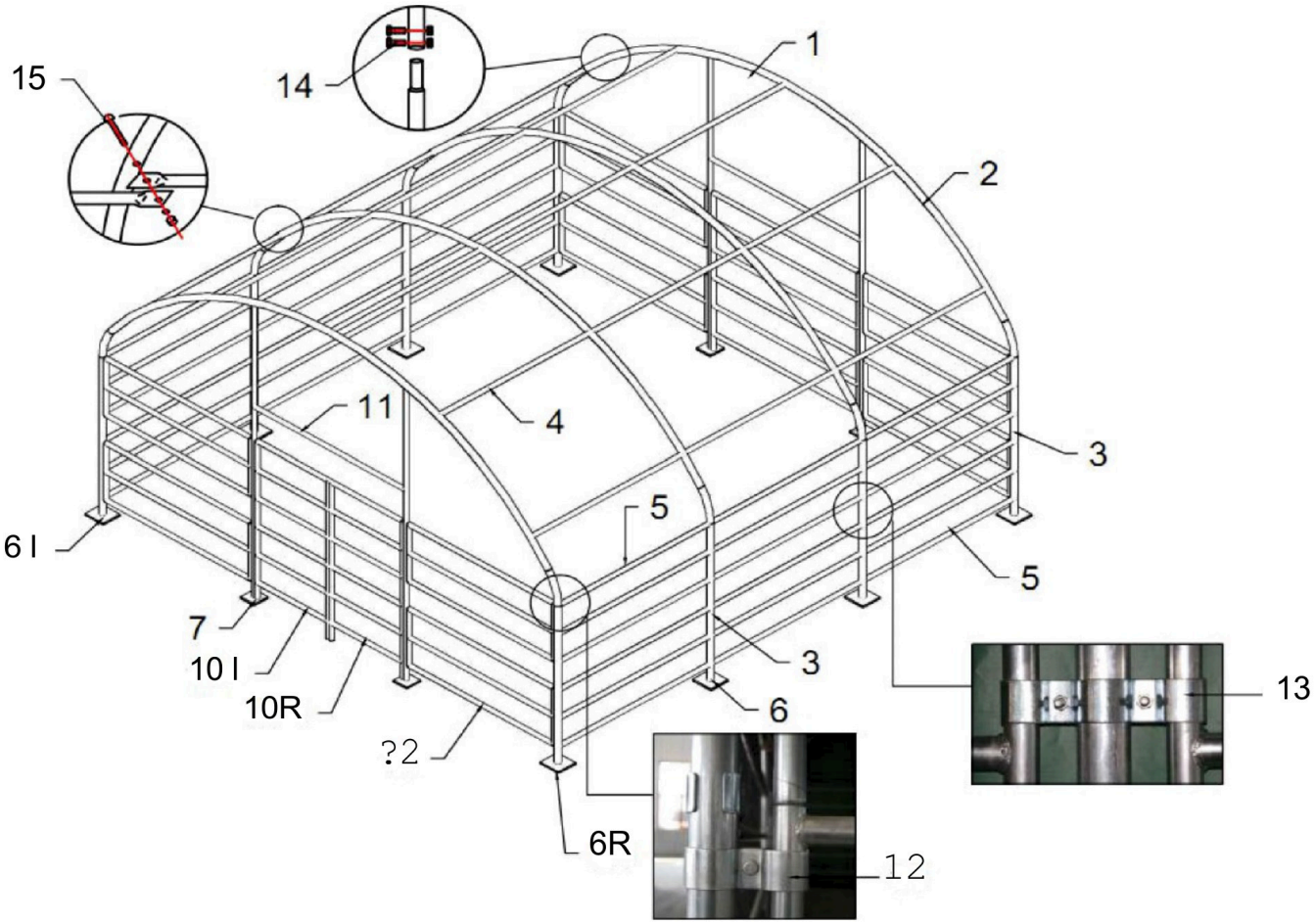


Fig. 1 – General steel structure drawing with part numbers

ASSEMBLY · PART A

INSTALLING THE BASE

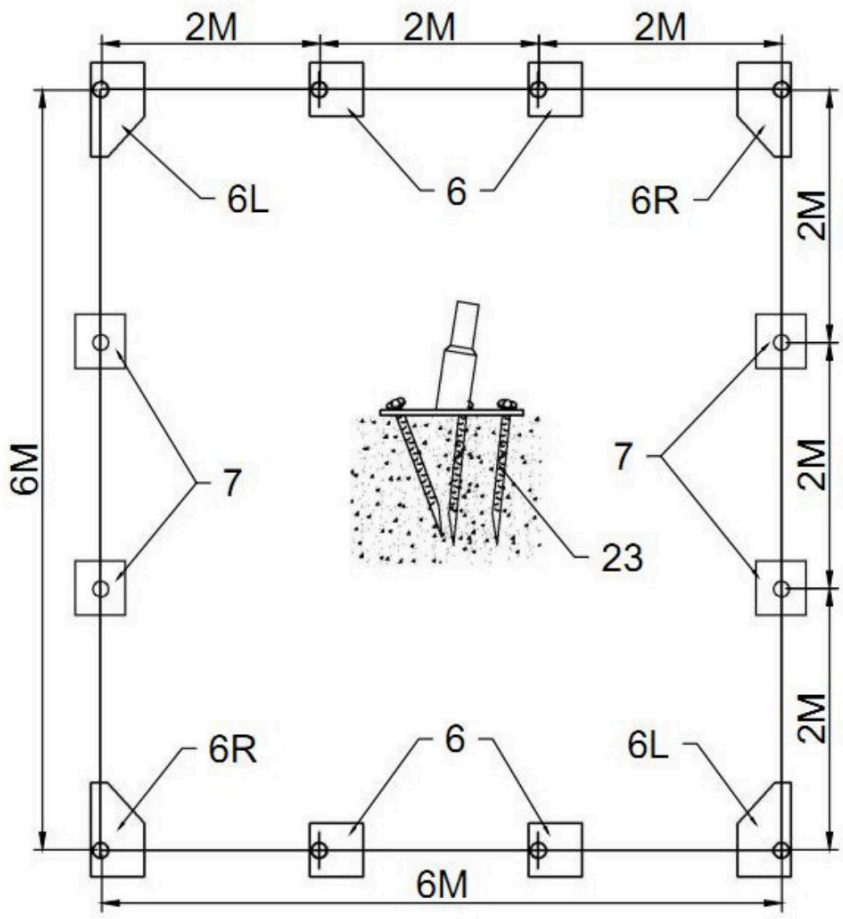


Fig. 2 – Base plate layout (dimensions in m)

1 Lay out the base plates (No. 6, 6L, 6R and 7) according to Fig. 2. Dimensions are measured from tube centre to tube centre on the base plates. Check the position of the base plates against the drawing.

2 Each base plate has three holes and comes with 3 anchor stakes (No. 23), as shown in Fig. 2. Push a stake through the hole in the base plate and mark where it is to be driven in. Then set the base plate aside – the marked points give the stake positions. The anchor stakes are not intended for a concrete base – for installation on concrete, prepare expansion bolts.

ASSEMBLY · PART B

STRUCTURE ASSEMBLY

1

Prepare 1 pc roof arch tube (No. 1), 2 pcs side wall arch tubes (No. 2) and 2 pcs vertical support legs (No. 3).

2

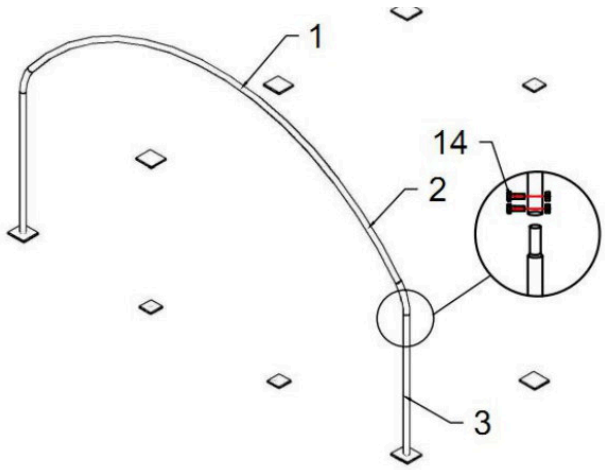


Fig. 3 – First arch

Assemble the first arch according to Fig. 3. Connect the side wall arch tube (No. 2) and the vertical support leg (No. 3) with M8 × 80 carriage bolts (No. 14).

3

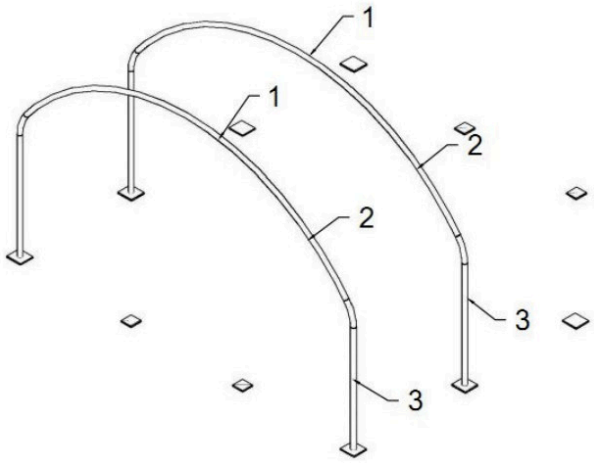


Fig. 4 – First and second arch

Assemble the second arch in the same way as the first.

4

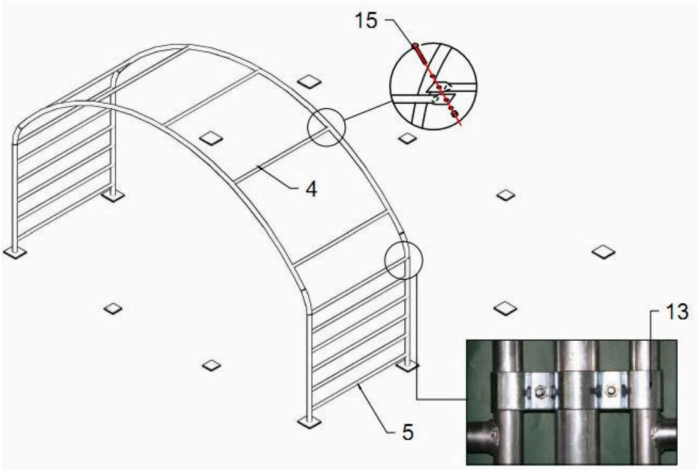


Fig. 5 – Longitudinal beams and side railing

Connect the first two arches with the longitudinal beams (No. 4) and the side railing (No. 5) using M10 × 90 carriage bolts (No. 15).

5

Fix the railing (No. 5) to the arches with double tube clamps (No. 13); M10 × 30 bolts are used for the connection.

6

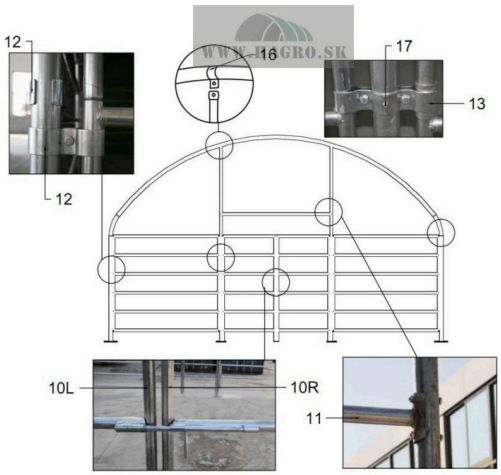


Fig. 6 – Front wall, joint details

Fit the front and rear walls according to Fig. 6 to 8: vertical door legs (No. 8 and 9), door beam (No. 11), doors (No. 10L and 10R) and railing (No. 5). Joint details – clamps No. 12 and 13, clip No. 16 and self-tapping screw No. 17 – are shown in Fig. 6.

7

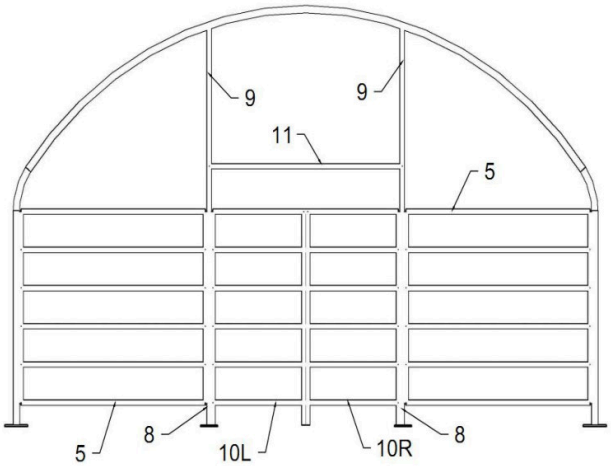


Fig. 7 – Front wall

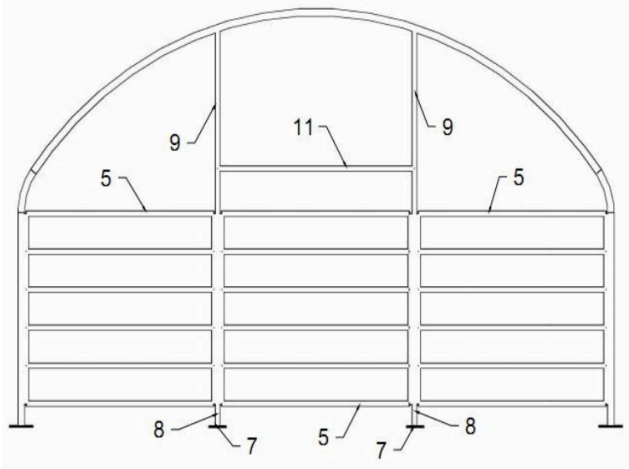


Fig. 8 – Rear wall

Front and rear wall – parts layout.

ASSEMBLY · PART C

REAR COVER

1

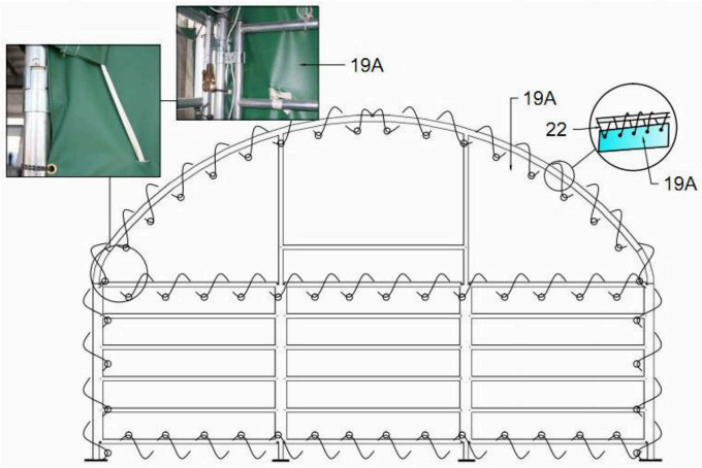


Fig. 9 – Fixing the rear cover with rope

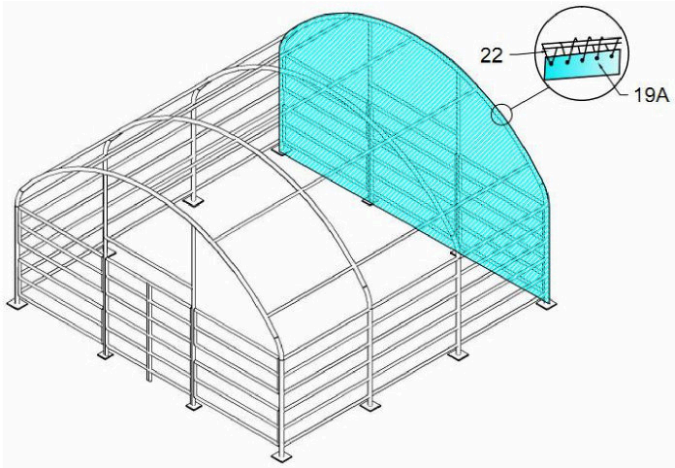


Fig. 10 – Fitted rear cover

Tie the rear cover (No. 19A) with rope (No. 22) to the arch and the rear wall frame according to Fig. 9 and 10.

ASSEMBLY · PART D

ROOF COVER AND SIDE SHADE NET

1

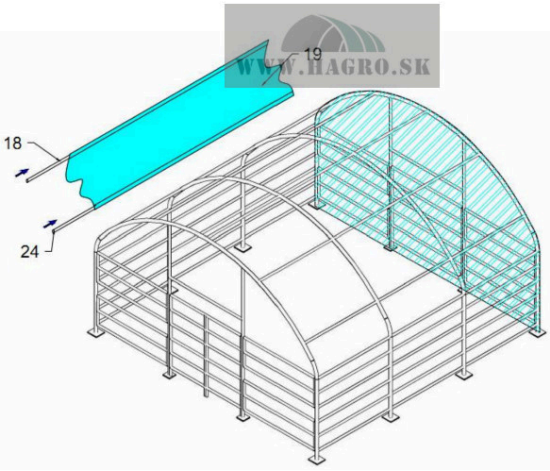


Fig. 11 – Tensioning tubes in the roof cover

Insert the lower tensioning tubes (No. 18) into the pockets on the edges of the roof cover (No. 19).

2

Fit plastic end caps Ø 25 mm (No. 24) on the ends of the tensioning tubes (No. 18) to prevent scratches and water ingress.

3

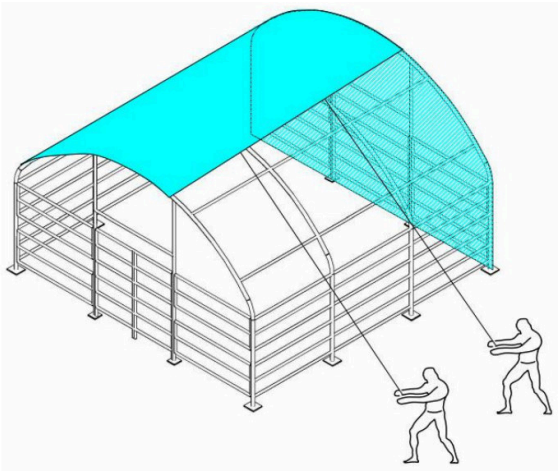


Fig. 12 – Pulling the roof cover over

Ask several people to throw the ropes from one side of the structure to the other and use the ropes to pull the cover over the frame.

4

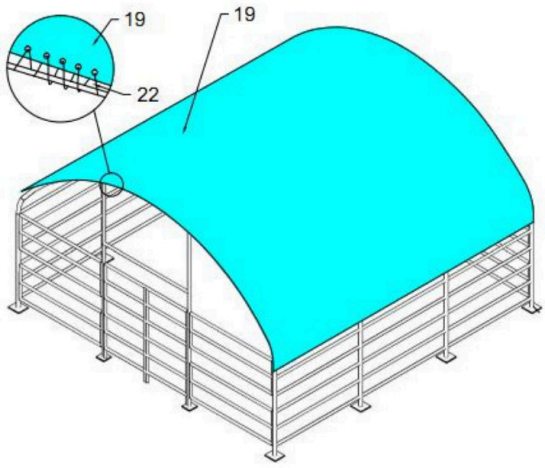


Fig. 13 – Roof cover attached with rope

Lace rope (No. 22) through the eyelets on the roof cover and connect it to the steel frame.

CAUTION

Pull the cover over the frame evenly, carefully and slowly. Do not install it in strong wind.

SIDE SHADE NET AND COVER TENSIONING

1

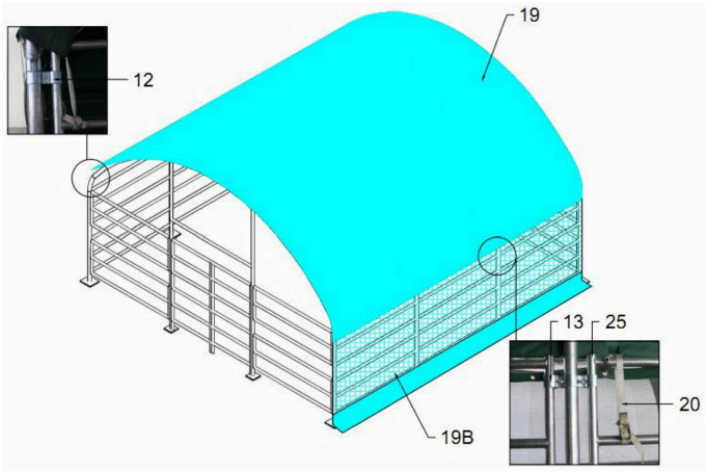


Fig. 14 – Side shade net

Fit the side shade net (No. 19B) using ropes (No. 22).

2

After aligning the roof cover, cut an opening through which the tensioning tube (No. 18) will emerge.

3

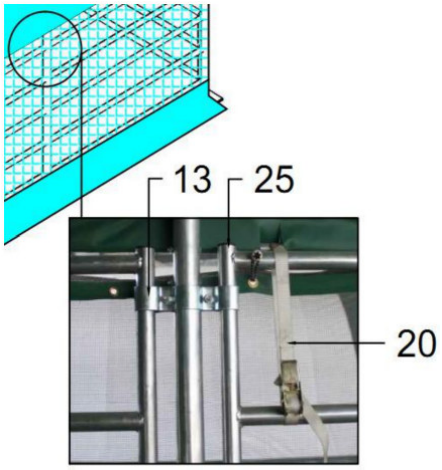


Fig. 15 – Ratchet with strap

Use the ratchets with strap (No. 20) to attach the tensioning tubes to the railing, thereby tensioning the roof cover.

4

There are straps at both ends of the roof cover – tighten them so that the cover fits snugly against the frame, and fix the strap ends to the frame.

5

Fit plastic end caps Ø 40 mm (No. 25) on the ends of the railing (No. 5) to prevent scratches and water ingress.

Assembly is complete. Keep these instructions for future reference.

HAGRO ORAVA s.r.o.
hagroshelters.com · hagro@hagro.sk
Contact us with any questions about assembly.