

Assembly instructions of the tool holder Cargolin

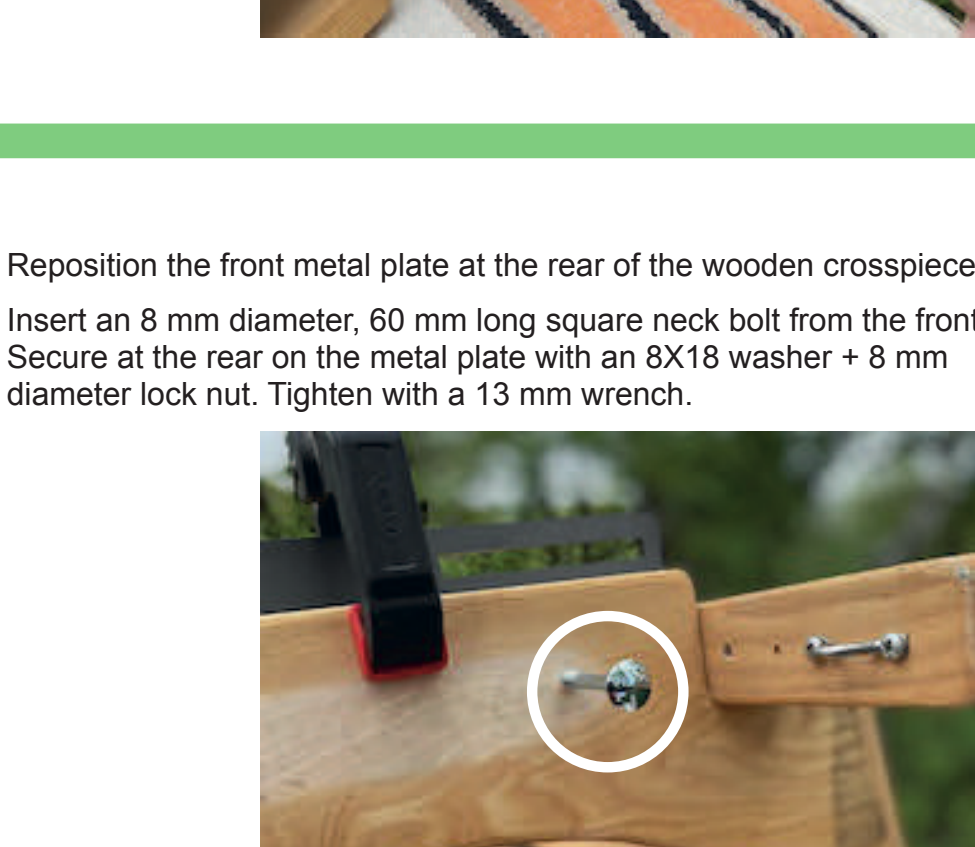
Necessary tools : 1 wrench Ø 13, 2 wrenches Ø 17, vice

Depending on your order, your parcel may contain the following items
Flat steel parts
Front attachment metal plate on the pack-saddle
Rear attachment metal plate on the pack-saddle
Hook
Descendant
Horizontal Arm
Uplift
Tubes Ø 12 mm
Tube 1-2-3-4 length 416 mm (for Descendant)
Tube 5-6-7-8 length 403 mm (for Horizontal Arm)
Extensions for Tube 5 length 15 mm
Tube 9-10-11 length 388 mm (for Uplift)
threaded rod
Tige for tube 1-2-3-4 length 468 mm (for Descendant)
Tige for tube 5 length 479 mm (for Horizontal Arm)
Tige for tube 6-7-8 length 455 mm (for Horizontal Arm)
Tige for tube 9-10-11 length 440 mm (for Uplift)
Tubes Ø 16 mm
Spacers length 20 mm (for the tube 1 of the Descendant)
Screws
Square neck bolt 8x25 mm (hook clamping on metal plate)
Square neck bolt 8x60 mm (bolting the metal plate to the crosspiece)
Washers Ø 8x18 mm
Lock nuts Ø 8 mm
Washers 10x22 mm
Cap lock nuts Ø 10 mm

- The Cargolin can be mounted on a size M Balissandre.
- The nuts that terminate the threaded rods are locked cap nuts.
- Metal parts are delivered lightly oiled to protect them from oxidation.

1

If the Randoline leather label is on the front crosspiece of the Balissandre, remove it with a flat screwdriver or a cutter.



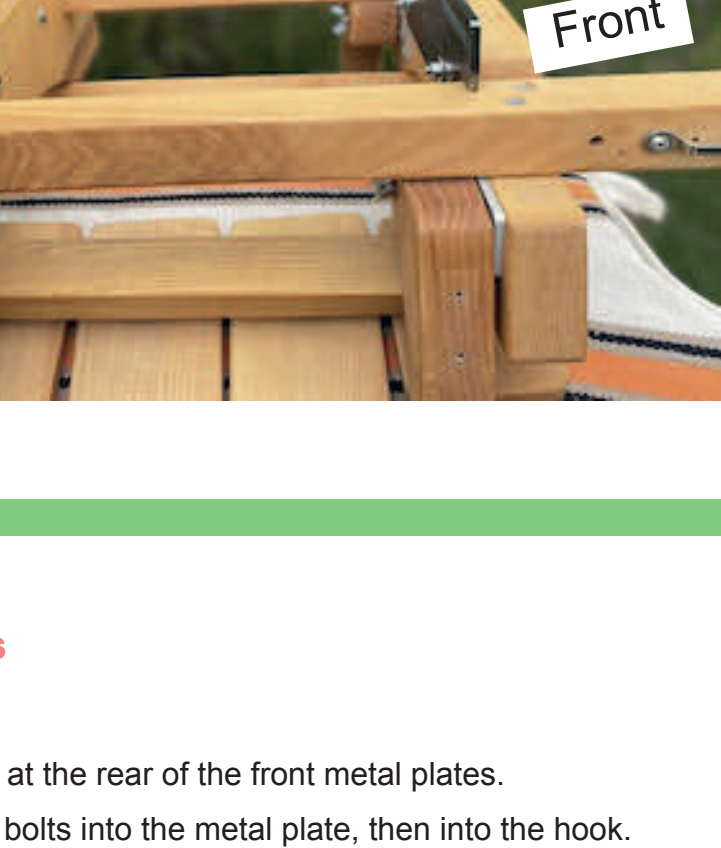
2

Front metal plate

Position the front metal plate at the front of the front crosspiece (the front plate is the smaller of the two).

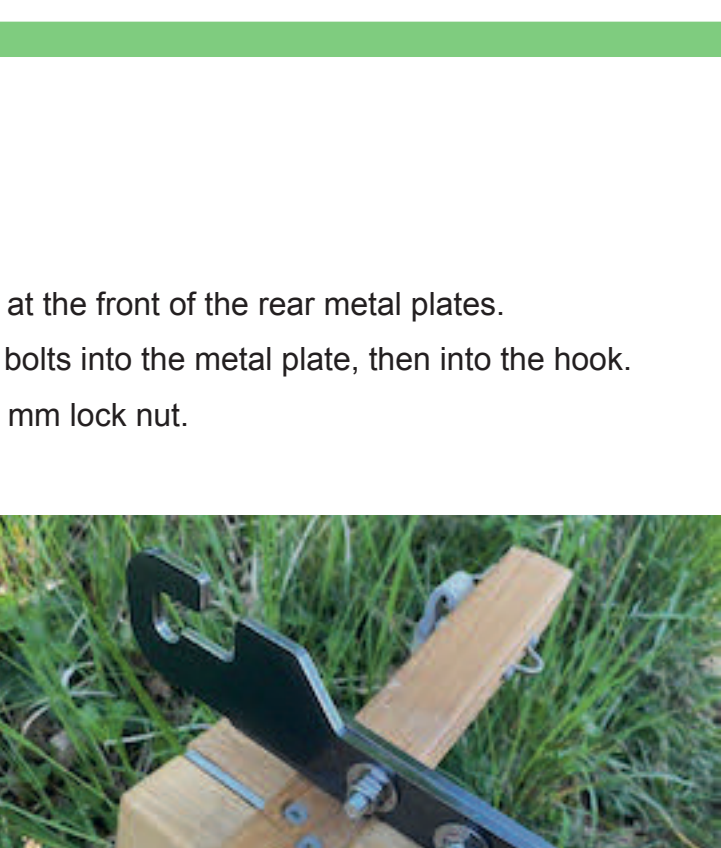
Centre the metal plate and secure it with pliers or a clamp (on the latest versions, a small mark indicates the centre).

Using an 8 mm drill bit, drill through the wooden crosspiece through the two holes in the metal plate.



3

Reposition the front metal plate at the rear of the wooden crosspiece. Insert an 8 mm diameter, 60 mm long square neck bolt from the front. Secure at the rear on the metal plate with an 8X18 washer + 8 mm diameter lock nut. Tighten with a 13 mm wrench.



4

Rear metal plate

Position the rear metal plate at the rear of the rear crosspiece.

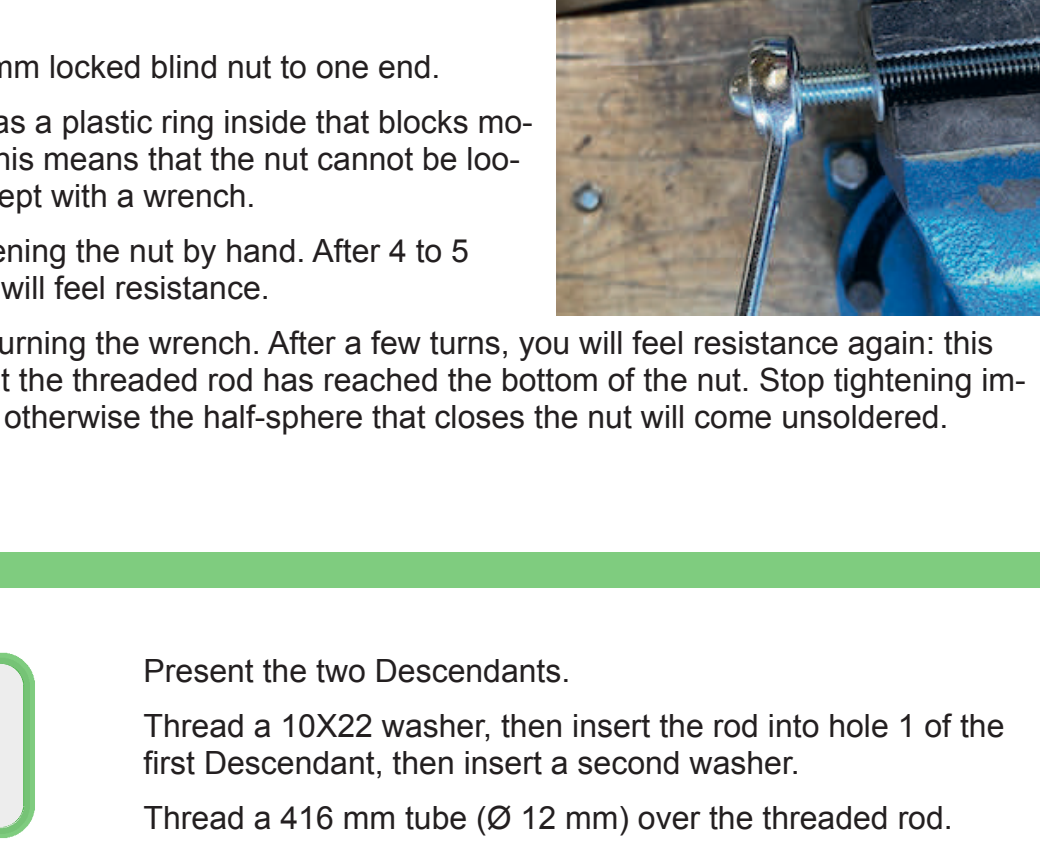
Using an 8 mm drill bit, drill from the rear of the rear wooden cross-piece through the two holes in the metal plate.

Insert an 8 mm square neck bolt, 60 mm long, from the rear.

Close at the front on the metal plate with an 8X18 washer + Ø 8 mm lock nut. Tighten with a Ø 13 wrench.

5

At the end, the two metal plates should look like the photo.



6

Front hooks

Position the hook at the rear of the front metal plates.

Insert two 8x25 mm square neck bolts into the metal plate, then into the hook.

Fit an 8x18 mm washer and an 8 mm lock nut.

Tighten with a 13 mm wrench.



7

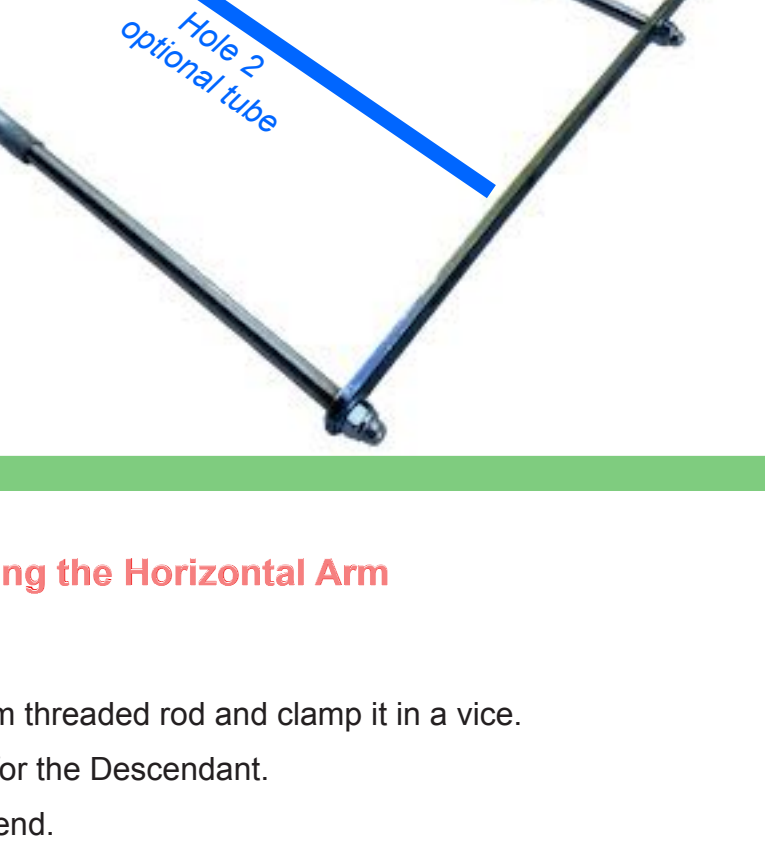
Rear hooks

Position the hook at the front of the rear metal plates.

Insert two 8x25 mm square neck bolts into the metal plate, then into the hook.

Fit an 8x18 mm washer and an 8 mm lock nut.

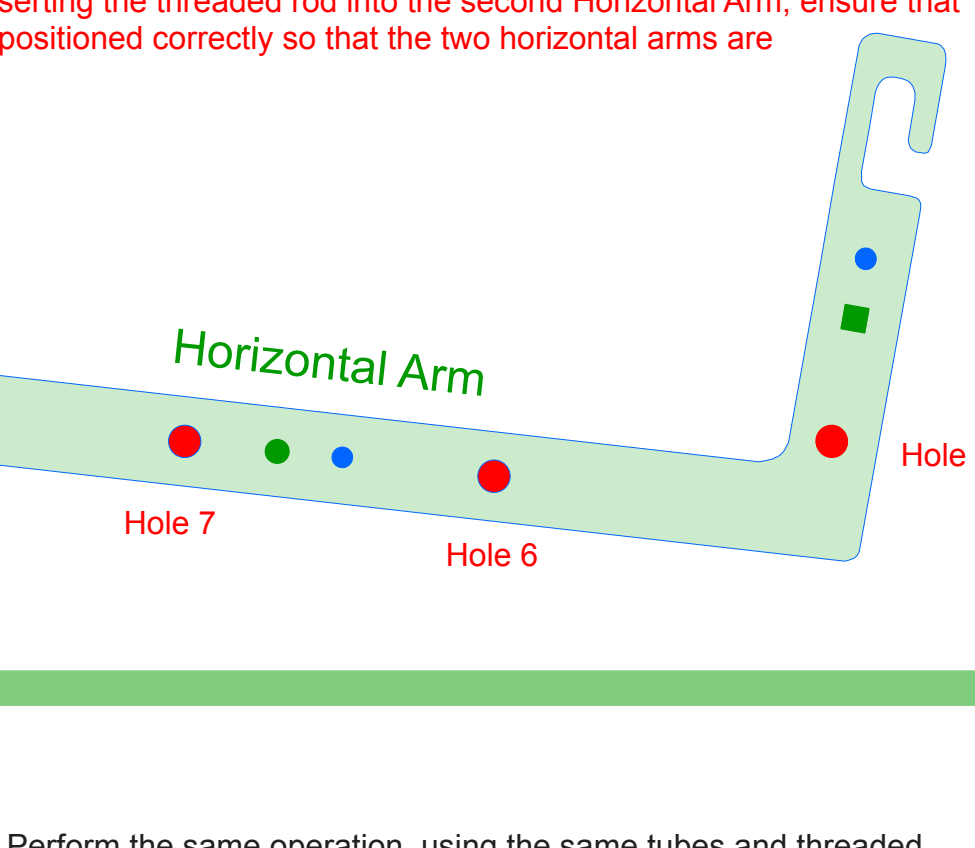
Tighten with a 13 mm wrench.



8

At the end, the hooks should look like the ones in the photo.

Caution: the front and rear hooks must be inside the metal plates.



Caution: to assemble the metal parts of the Cargolin (Descendants, Horizontal Arms, Uplifts), it is important to work on a flat surface such as a table or workbench.

You will need two flat wrenches (Ø 17) and a vice.

8

Assembling the Descendant

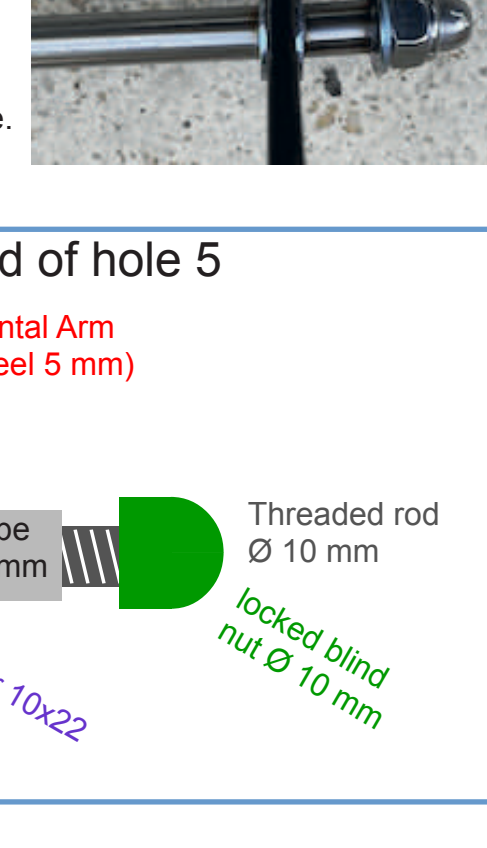
Take a 468 mm threaded rod and clamp it in a vice.

Bolt a 10 mm plastic ring inside to one end.

This nut has a plastic ring inside that allows movement. This means that the nut cannot be loosened except with a wrench.

Start tightening the nut by hand. After 4 to 5 turns, you will feel resistance.

Continue turning the wrench. After a few turns, you will feel resistance again: this means that the threaded rod has reached the bottom of the nut. Stop tightening immediately, otherwise the half-sphere that closes the nut will come unsoldered.



9

Present the two Descendants.

Thread a 10X22 washer, then insert the rod into hole 1 of the first Descendant, then insert a second washer.

Thread a 416 mm tube (Ø 12 mm) over the threaded rod.

Slide three small rings (Ø 16 mm, length 20 mm) over the Ø 12 tube. These three small rings will serve as spacers to secure the Descendant in the hooks, regardless of the position of the arches of the pack-saddle.

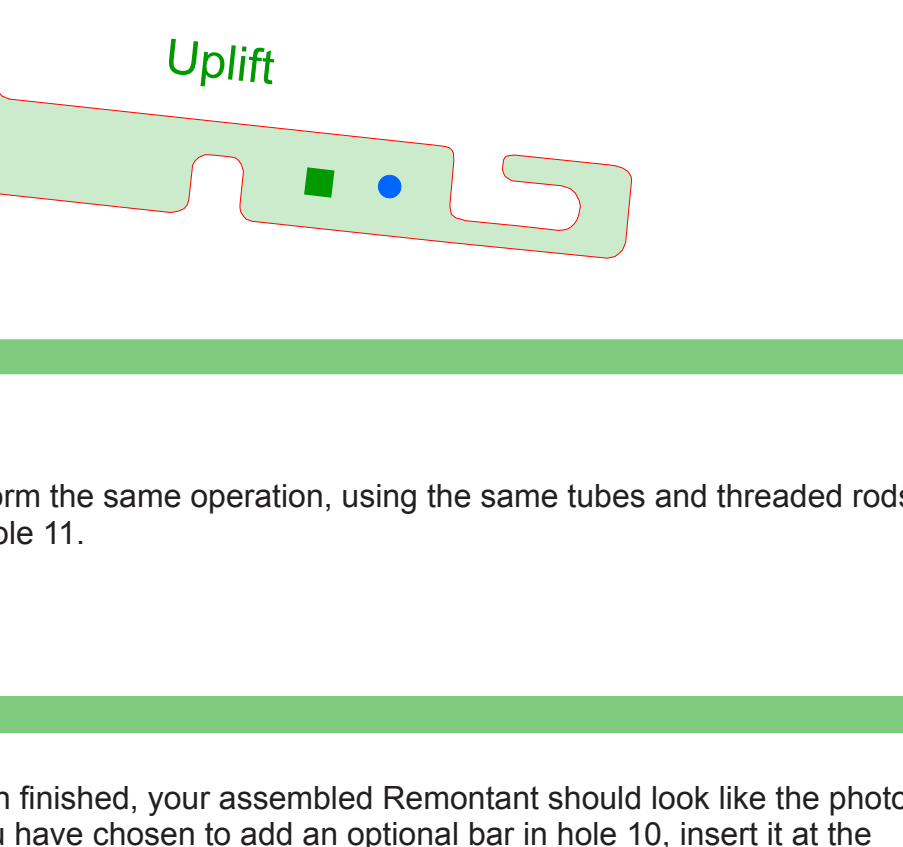
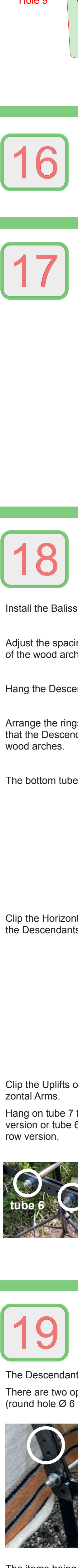
Insert a 10X22 washer, then pass through hole 1 of the second Descendant, then insert a second washer.

Hand-tighten a 10 mm blind nut.

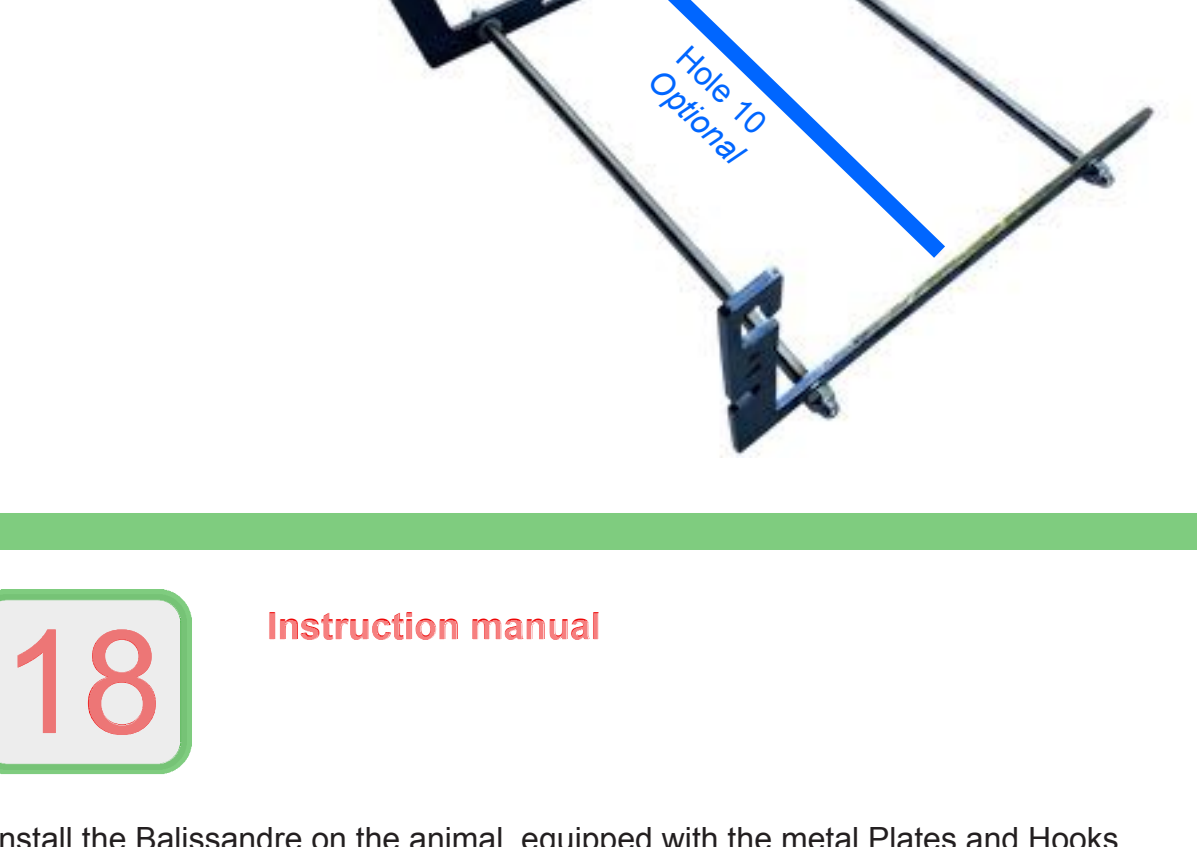
Then lock the first nut with a Ø 17 wrench and tighten the second nut with the other Ø 17 wrench.

As explained above, follow the tightening procedure.

Caution: when inserting the threaded rod into the second Descendant, ensure that the workpiece is positioned correctly so that the two Descendants are symmetrical.



Assembly of tube and threaded rod



10

Perform the same operation for hole 3 of the Descendants.

When finished, your assembled descendant should look like the photo. If you chose to add an optional bar in holes 2 and 4, insert them at the same time as the other two ones.



11

Assembling the Horizontal Arm

Take a 455 mm threaded rod and clamp it in a vice.

The procedure is the same as for the Descendant.

Bolt a Ø 10 mm cap nut to one end.

Position the two horizontal arms.

Slide on a 10X22 washer, then insert the threaded rod into hole 6 of the first horizontal arm, then insert a second washer.

Slide a 403 mm tube (Ø 12 mm) over the threaded rod.

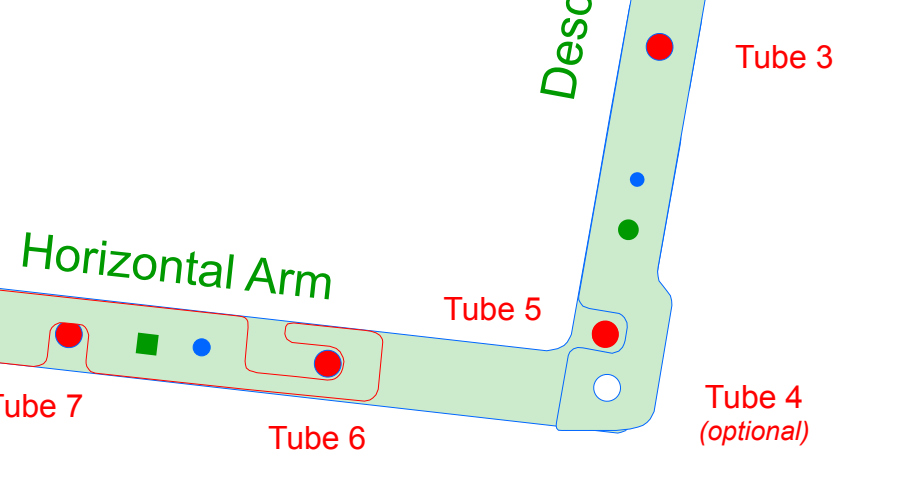
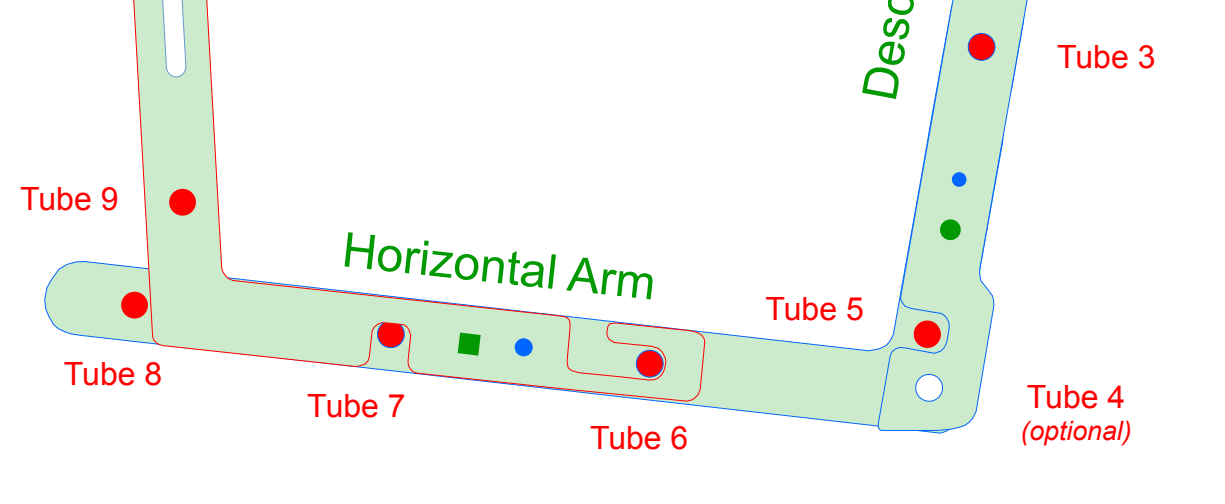
Insert a 10X22 washer, then pass through hole 6 of the second horizontal arm and insert a second washer.

Tighten a Ø 10 mm cap nut by hand.

Then lock the first nut with a Ø 17 wrench and tighten the second nut with the other Ø 17 wrench.

As explained above, follow the tightening procedure.

Caution: when inserting the threaded rod into the second Horizontal Arm, ensure that the workpiece is positioned correctly so that the two horizontal arms are symmetrical.



12

Perform the same operation, using the same tubes and threaded rods, for holes 7 and 8.

13

Placing the pipe in hole 5 : **Please note that the procedure is slightly different.**

Take a 479 mm threaded rod and clamp it in a vice.

Bolt a Ø 10 mm blind nut to one end.

Thread on a 10X22 washer, then a 15 mm piece of tube, then a 10X22 washer.

Insert the threaded rod into hole 5 of the first horizontal arm, then insert a second washer.

Slide a 403 mm tube (Ø 12 mm) over the threaded rod.

Slide on a 10X22 washer, then insert the threaded rod into hole 5 of the second horizontal arm and insert a second washer.

Slide on another 15 mm piece of tubing, then another 10X22 washer.

Hand-tighten a Ø 10 mm blind nut.

Then lock the first nut with a Ø 17 wrench and tighten the second nut with the other Ø 17 wrench.

As explained above, follow the tightening procedure.

Assembly of tube and threaded rod of hole 5

14

When finished, your assembled Horizontal Arm should look like the one in the photo.

15

Assembling the Uplift

Take a 440 mm threaded rod and clamp it in a vice.

The procedure is the same as for the Descendant.

Bolt a Ø 10 mm cap nut to one end.

Present the 2 Uplifts

Insert a 10X22 washer, then insert the threaded rod into hole 9 of the first Uplift, then insert a second washer.

Slide a 388 mm tube (Ø 12 mm) over the threaded rod.

Insert a 10X22 washer, then pass through hole 9 of the second Uplift, then insert a second washer.

Hand-tighten a 10 mm blind nut.

Then lock the first nut with a Ø 17 wrench and tighten the second nut with the other Ø 17 wrench.

As explained above, follow the tightening procedure.

Caution: when inserting the threaded rod into the second Uplift, ensure that the part is positioned correctly so that the two uplifts are symmetrical.

16

Perform the same operation, using the same tubes and threaded rods, for hole 11.

17

When finished, your assembled Remontant should look like the photo.

If you have chosen to add an optional bar in hole 10, insert it at the same time as the other two ones.

18

Instruction manual

Install the Balissandre on the animal, equipped with the metal Plates and Hooks.

Adjust the spacing of the hooks to fit the position of the wood arches.

Hang the Descendants on Hooks.

Arrange the rings on either side of the hooks so that the Descendant is centred in relation to the wood arches.

The bottom tube must rest on the wood arches.

Clip the Horizontal Arms onto the Descendants.

Clip the Uplifts onto the Horizontal Arms.

Hang on tube 7 for the wide version or tube 6 for the narrow version.

19

Locking the elements

The Descendant, the Horizontal Arm and the Uplift can be locked together.

There are two options: 8 mm square neck bolts (square hole) or agricultural pins (round hole Ø 6 mm).

The items being transported can be secured using bungee cords or ratchet straps, either by attaching them to the tubes or to the flat metal bars in the round or oblong holes.

It is also possible to add optional tubes in holes 2 and 4 of the Descendant and hole 10 of the Uplift.

