



Field Shelter Assembly Instructions



Work Safely

When you tackle a job it is important to work safely. Please consider the following points when building your Polytunnel.

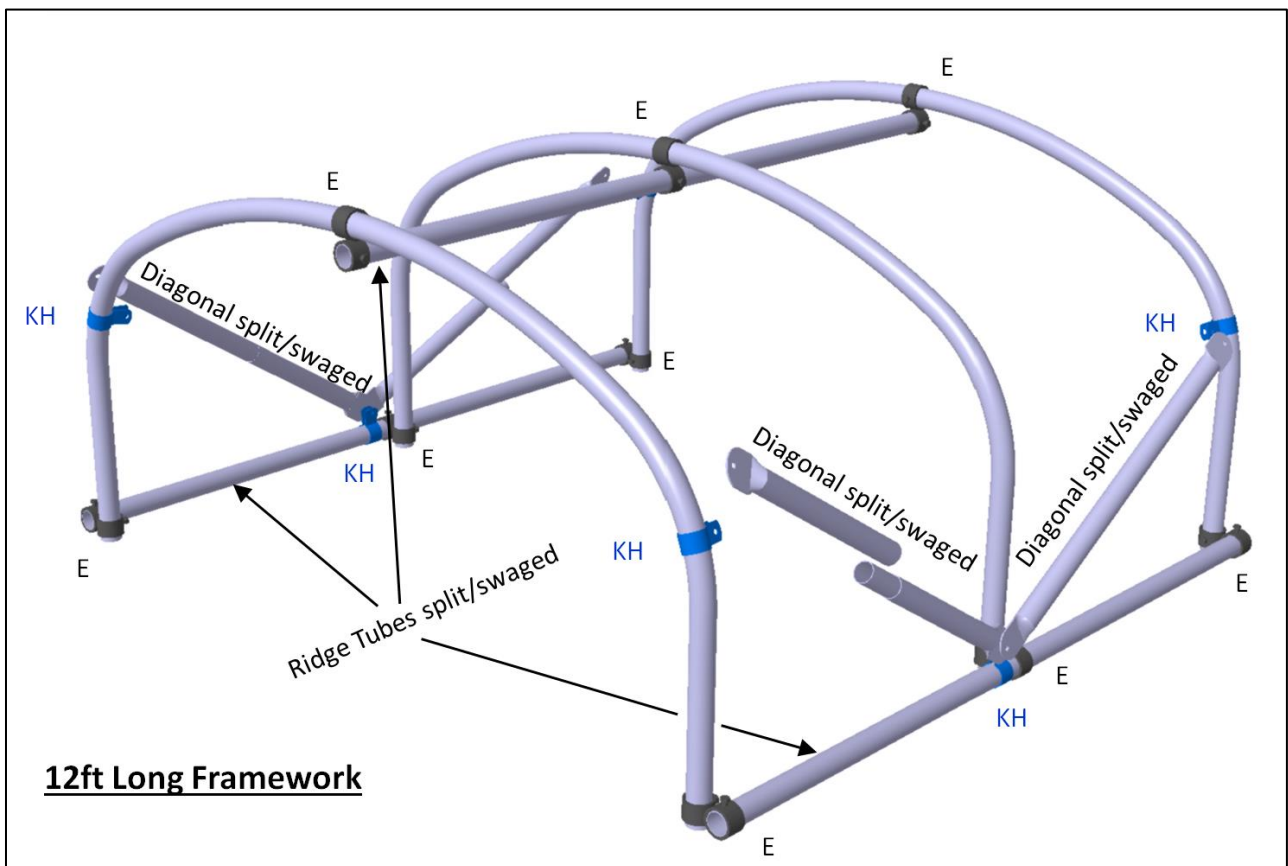
- Keep your work area tidy. A tidy site is a safe site.
- Use the correct tools for the job.
- Wear gloves where practical. Components may have sharp edges.
- Take care when using tools such as hammer, drill.
- Consider other people, particularly children.

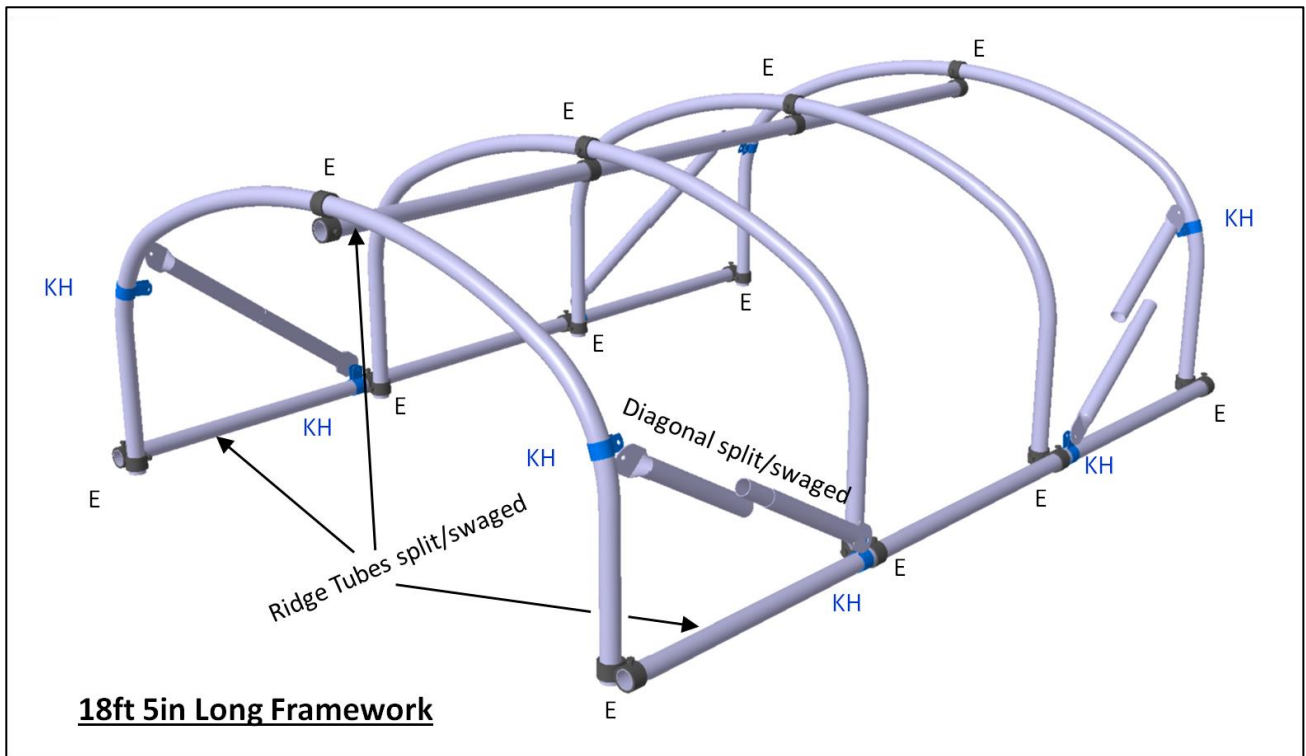
Tools Required

You will require a few tools to assemble your Polytunnel which are usually available in most households.

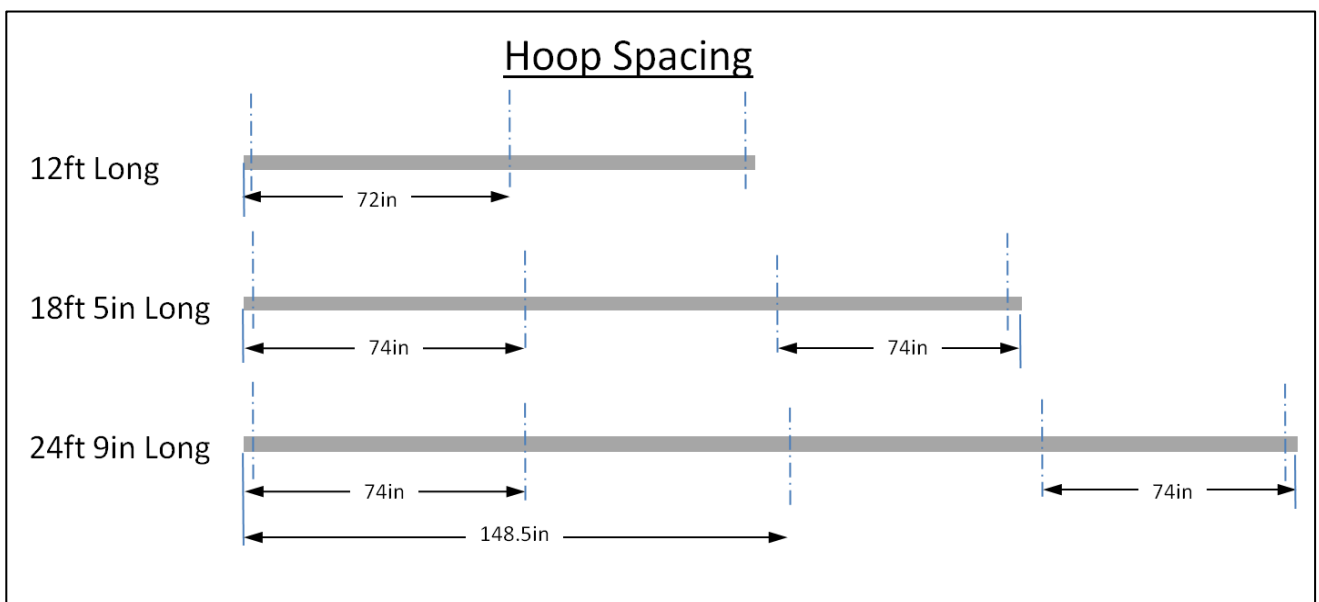
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|--|---|
| <ul style="list-style-type: none"> • Large hammer • Cordless drill/driver • Step ladder • 13mm spanners or sockets | <ul style="list-style-type: none"> • Tape measure • Scissors/craft knife • 5/16" hex driver bit (supplied) |
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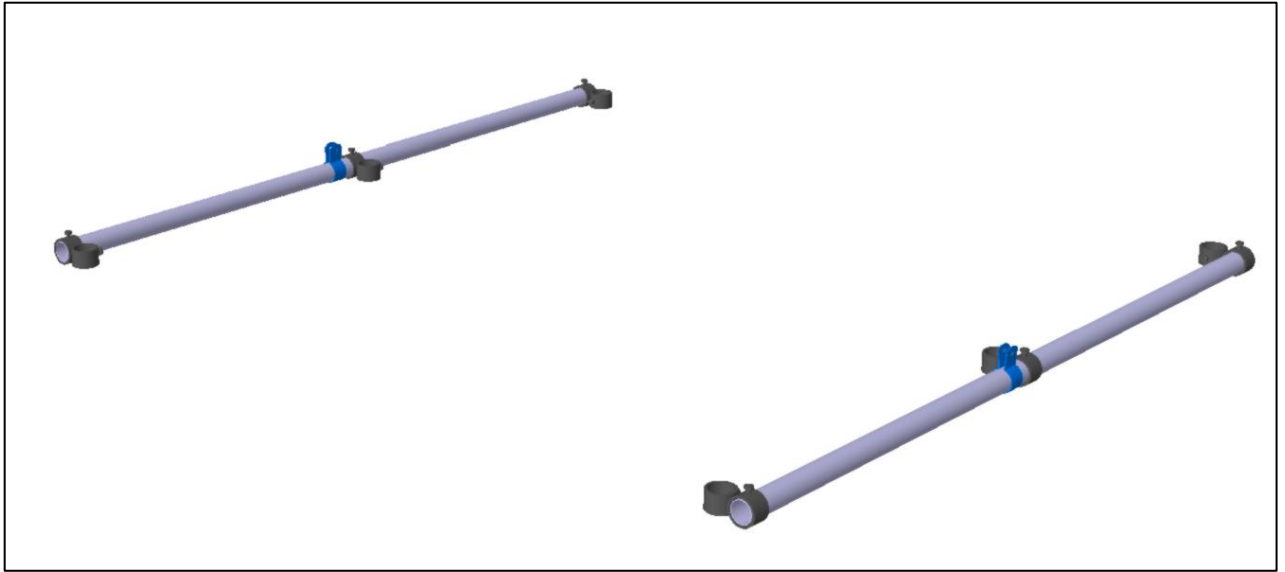
1. STEEL FRAME ASSEMBLY



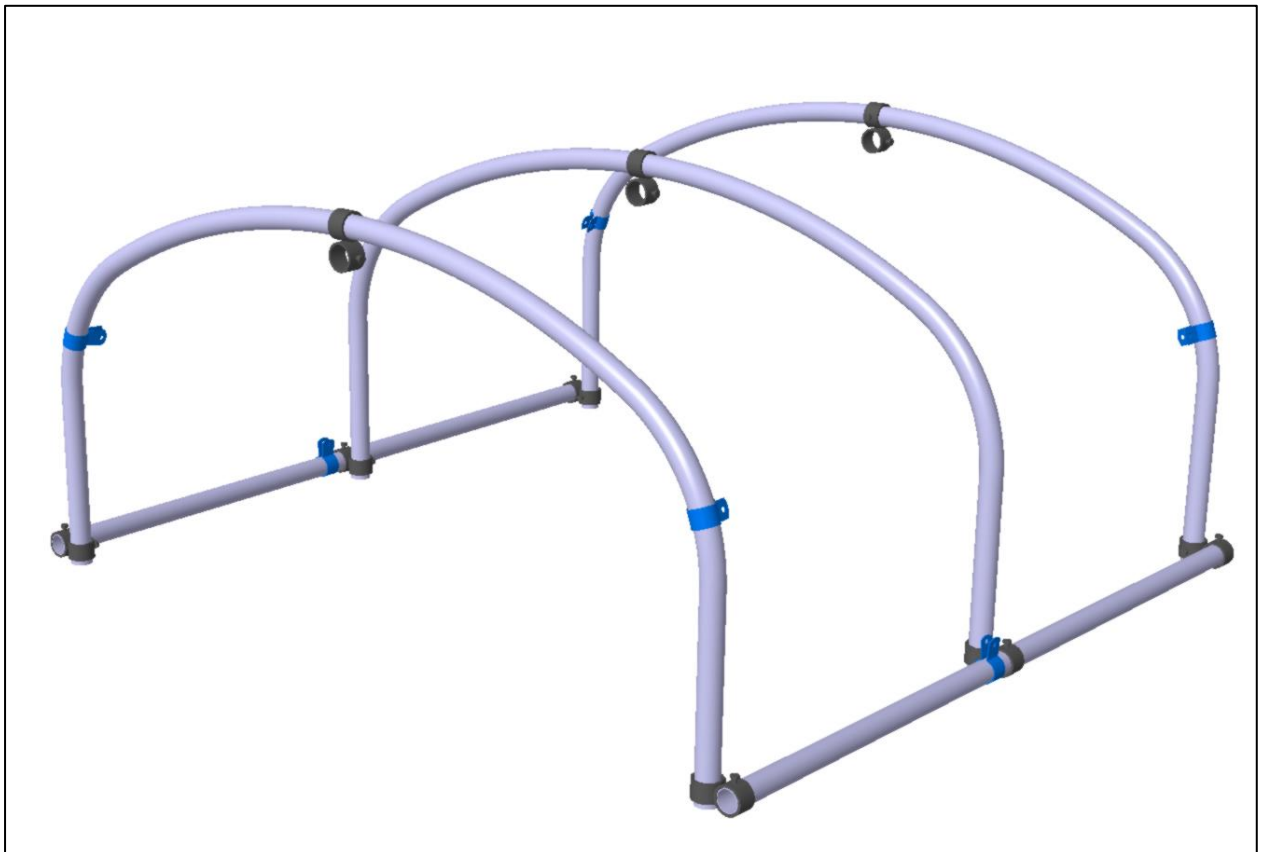


- 1 Joint the “side” ridge tubes together (plain/swaged) and slide into position the E-fittings at the correct spacing for the hoops. Also slide a fitting onto the “side” ridge tubes to attach the bottom end of the corner diagonal struts. One per side for 12ft long shelter (close to the middle E-fitting). Two per side for 18ft 5in long and 24ft 9in long shelters (close to the 2nd E-fitting from each end). Secure the ridge tube pieces together with a self-drill screw.



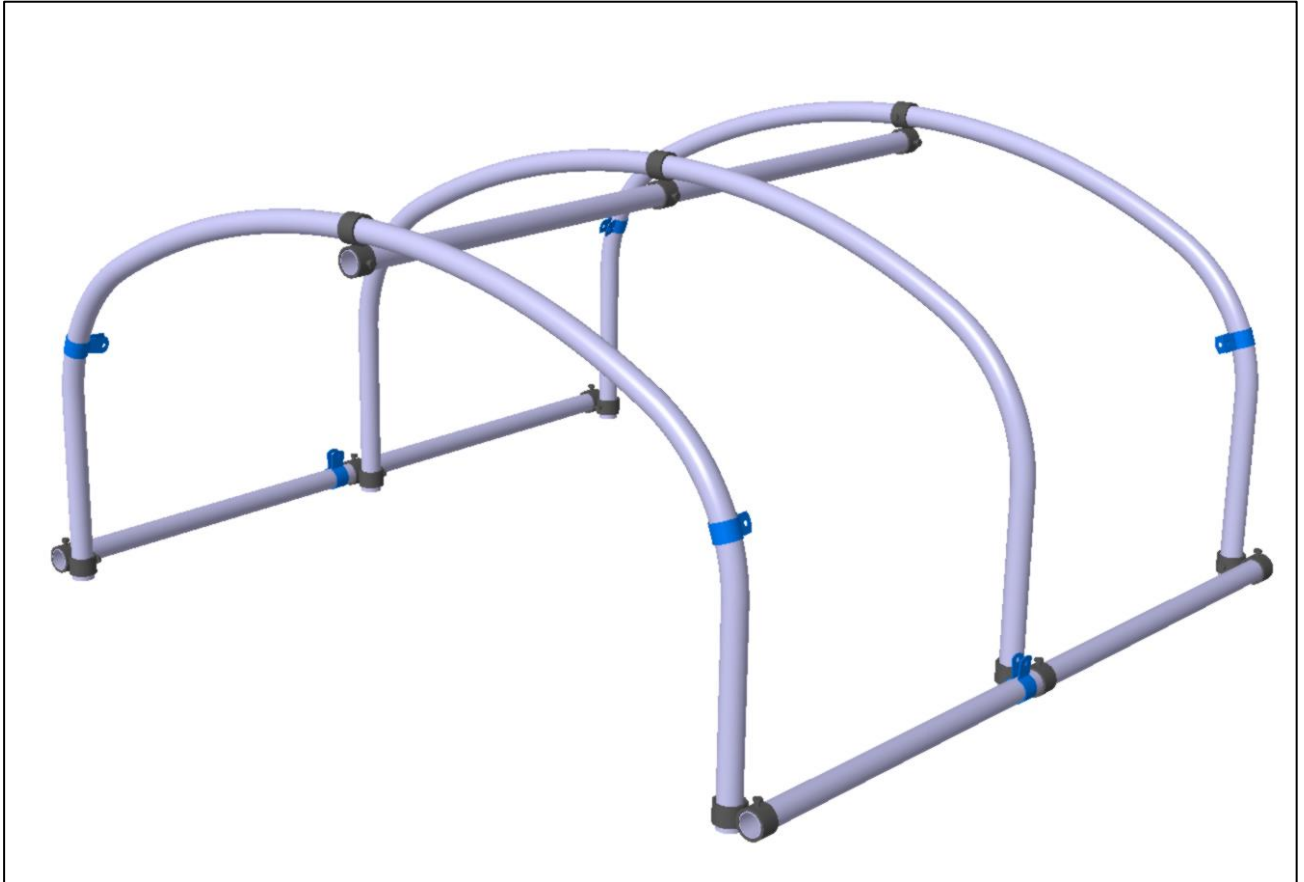


- 2 Assemble the hoops. Each hoop is in 3 parts. Fix the hoop leg to the middle part-hoop with the self-drill screws, using a cordless drill. Lay the components out on a flat surface with the E-fitting on the middle section. Make sure the bolts on the fittings are facing inwards so they don't protrude into the PVC cover. On the end hoops, slot a KH-fitting onto each leg.
- 3 Slot the hoops into the E-fittings on the "side" ridge tubes. Check the hoops are "square" to the ridge tubes and tighten the bolts.

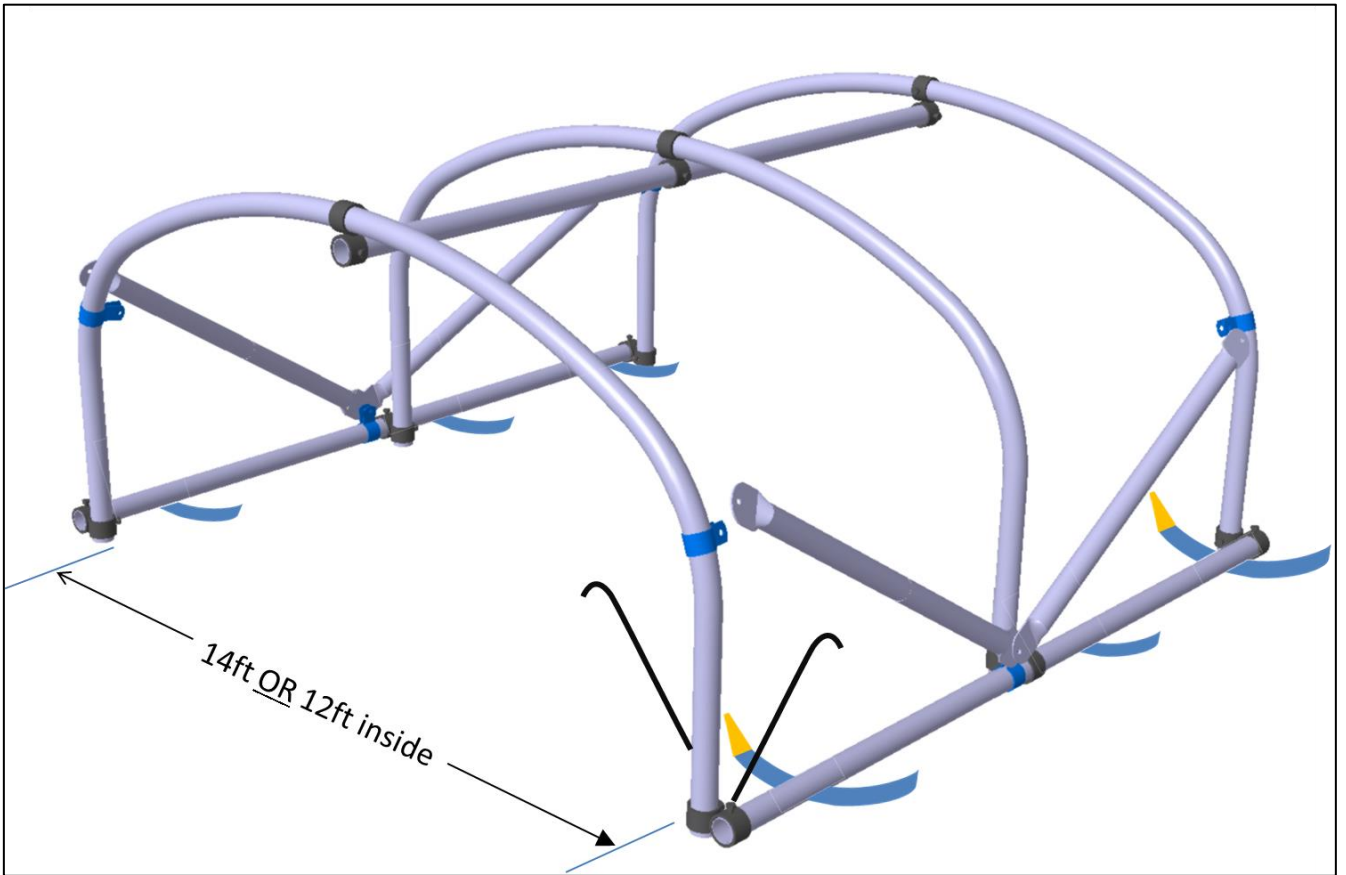


Field Shelter Assembly Instructions

- 4 Insert the “top” ridge tube into the E-fittings at the top of each hoop. Secure the ridge tube pieces together with a self-drill screw. Check the spacing of the hoops on the “top” ridge and tighten the M8 setscrews in the E-fittings.



- 5 Loosely attach the bottom end of the corner diagonal strut to the KH-fitting on the “side” ridge tubes. Use M8 x 30 setscrews and nylock nuts. Loosely attach the top end of each corner diagonal to the KH-fitting on each end hoop. Slide the KH-fitting up or down so the end hoops are perpendicular to the ridge tubes. Make sure the swaged joint on the corner diagonal strut is fully engaged then secure with a self-drill screw. Tighten the M8 x 30 setscrews and nylock nuts.
- 6 On the “Upland” model, screw a self-drill screw through each KH Fitting into the tube.
- 7 Lay the ratchet straps under the “side” ridge tubes in the approximate positions shown and stake the framework to the ground. Two stakes per corner at a skewed angle. (Additional stakes are supplied for 18ft 5in long shelters and 24ft 9in long shelters.) Check the dimension inside the hoops is 12ft or 14ft, depending on the size of shelter ordered.



2. FITTING THE PVC COVER

- 1 Lay the PVC cover along one side of the framework.



Field Shelter Assembly Instructions

- 2 Join the tensioning tubes together, secured with a self-drill screw and insert a tube plug in one end (to ease insertion into the PVC pocket). Slide the tensioning tubes into the pockets along each edge of the PVC cover. (Tip! Lubricate the tensioning tubes with soapy water to help them slide into the pocket!)
- 3 Holding onto one of the tensioning tubes, drag the PVC cover over the framework, “shiny” side to the outside.



- 4 Centralise the PVC cover in length and width and pull the cover over the end arches. Temporarily tie off the ropes to the “side” ridge tubes.



- 5 **FIRST**, tension the end ropes as tight as possible – **PULL HARD!** THEN loop the ratchet straps around the tensioning tubes and tension both sides equally.





MAINTENANCE

For maximum durability, the cover should be tight. If the cover can flap in the wind this can lead to early degradation of the PVC. If the cover has lots of ripples this can allow snow to settle rather than slide off. Periodically check the ground stakes are secure.

Periodically check the ropes and ratchet straps for tightness and any signs of abrasion. Replace if necessary.

IMPORTANT NOTES

- These Field Shelters are “mobile” structures, designed to be moved occasionally.
- For continuous, year-round use it is advisable to consider additional methods to secure the framework to the ground.
- Ground conditions can reduce the effectiveness of the ground stakes in securing the framework to the ground.
- During stormy weather it may be prudent to remove the PVC cover from the framework.

If you are unsure about any part of the assembly procedure you can contact our office between 8:30am and 5:00pm, Monday to Friday on 01282 501252

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PARTS LIST

