Hoist tripod kit with adjustable legs Sold at vispieux.com



Here is the list of parts that you should have received:

- One head Three positionners Two shims
- Three feet One eyebolt
- Six 5/8" pins Six "R" pins

This is what you have to buy locally:

- 2 inch and 1 1/2 inch steel tubes 1/8 inch thick, the length you want.

- Three bolts of 5/16" X 2" long with nuts (for the feet).

You will need a drill and drill bits (1/4", 5/16") and a 5/8" drill bit with a 0.630" reamer or a 41/64" drill bit.

Hoist tripod kit with adjustable legs Principle of operation:

The purpose of this kit is to keep two square tubes of different sizes at a certain angle with one another. This sytem creates a stable sliding mechanism conducive for use of adjustable legs system.

Specifications:

Capacity of the tripod: 2200 pounds

Extendable capacity: One foot less than the outside tube

Shipping size: 33 cm X 33 cm X 19 cm X 13 kilos.

Instructions of how to build the kit: (A) Locate the weld inside the 2" tube and make sure it does not interfere with one edge of the 1 1/2" tube.

(B) If it does, use the other end of the 2" tube.



(1) Take a foot and slide it on the 1 1/2" tube all the



Hoist tripod kit with adjustable legs way and drill the tube through the holes in the foot with a 5/ 16" drill bit.

(2) Remove the protective piece of tube in the positionners.

(3) Slide a positionner onto the 1 1/2" tube and push the positionners onto the 2" tube all the way with the foot, tighten the nuts.





(4) Drill the holes in the positionner with a 1/4"drill bit.

(5) You will have to decide of the distance between the holes you want and build a spacer that will give you a cons-



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tant distance. I suggest a 3/ 4" by 7" piece of scrap wood by 1 1/2" wide with a 1/4" by 1 1/2" bolt drilled 6 inch from one end, this will give you 6 inch increment between each holes.

(6) Insert the bolt of the spacer into the first drilled hole and push the foot until the spacer is against the positionner. Install the shims on each side of the 1 1/2" tube so that they center the inside tube with the positionner. Drill one side of the tube with a 1/4" drill bit.

(7) If it is to difficult to insert both shims, pound them on a vice so they get thinner.

(8) Transfer the spacer on the other side and drill.

(9) Install the spacer in the second hole and with the same procedure, drill







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again. Continu with this procedure until you get to be at about one foot to the end. Leave at least one foot free of hole to have stability even when the adjustments are at their maximum height.

Make a visible mark on each part (1 1/2", 2" tubes and positionner) <u>before</u> removing them so the holes will match when you put them back together.

(10) Drill all the holes with a 5/8" drill bit or a 41/64" drill bit.

If using a 5/8" drill bit, the 5/8" pins might not go in because drill bits don't drill round hole in thin material, the hole has a trigular shape. In this case you will need to use a 0.630" reamer. Check all the holes with a 5/8" pin.

Now you can drill the other end of the 2" tube according to the "Smartmetalpod instruction ma-



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## Warranty:

One year warranty against malfunction. Contact Pierre Ménard at <u>vispieux@gmail.com</u> for a full refund.

Disclaimer:

Buying this products, discharge the manufacturer of any liability. If the buyer do not agree with these terms, please contact Pierre Ménard at <u>vispieux@gmail.com</u> for a full refund.

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