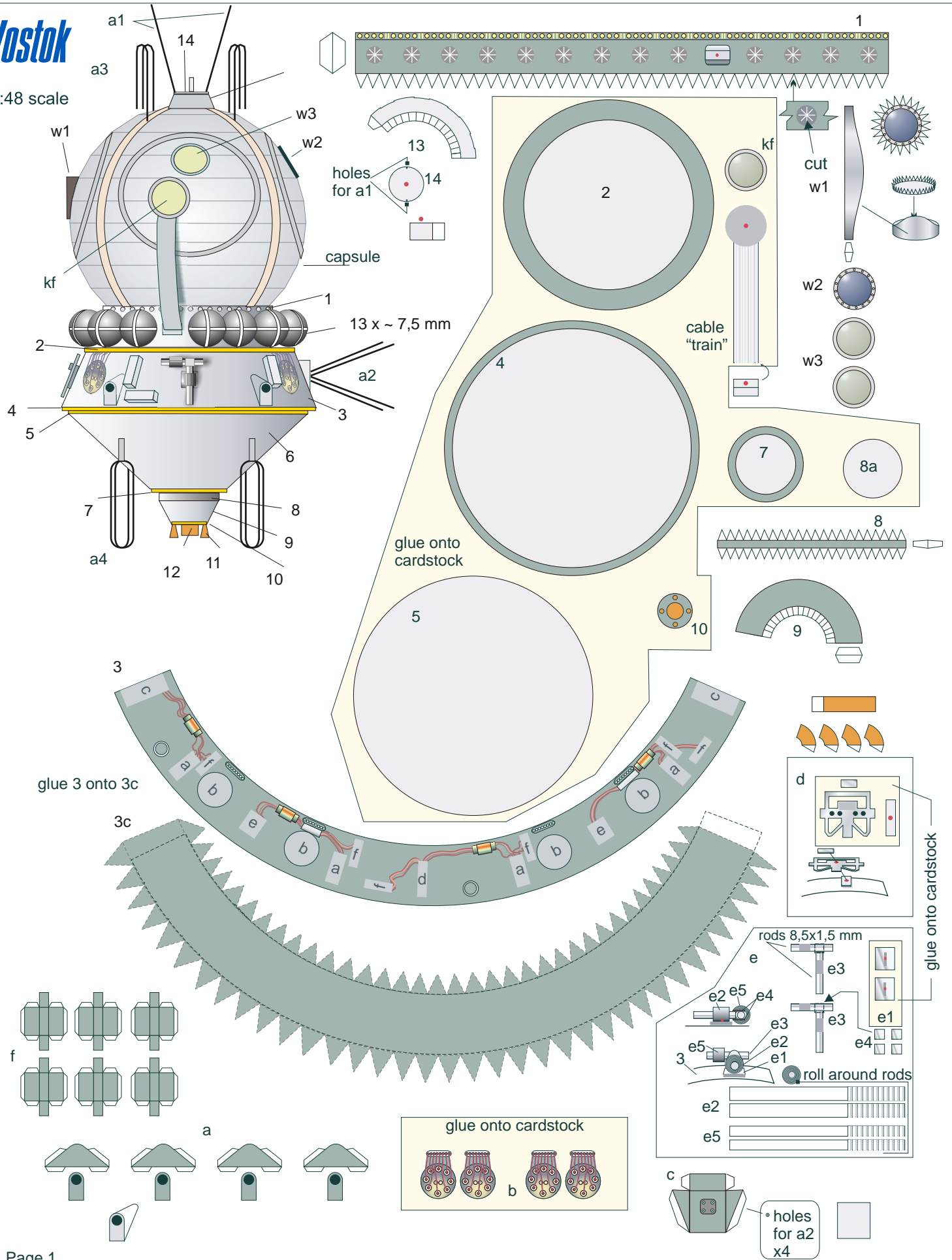
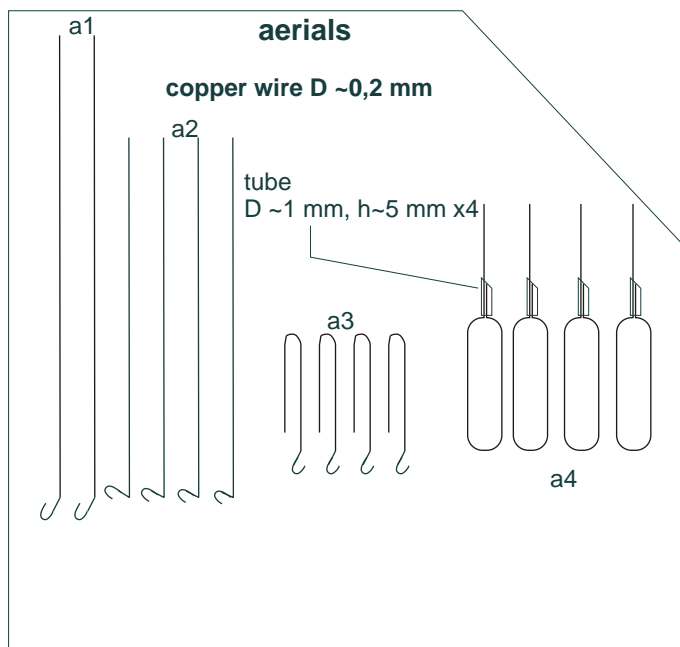
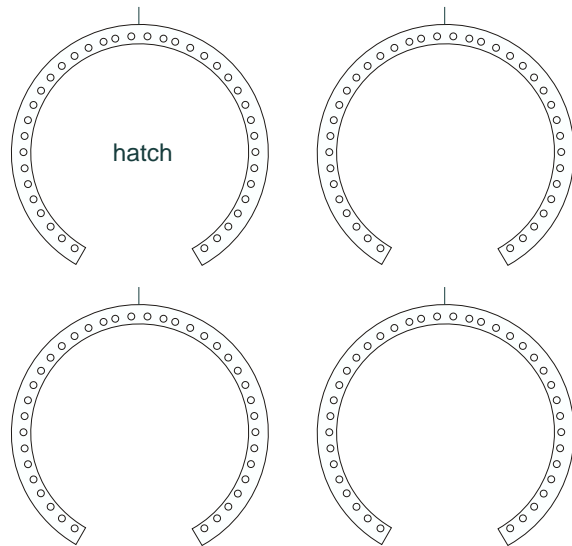
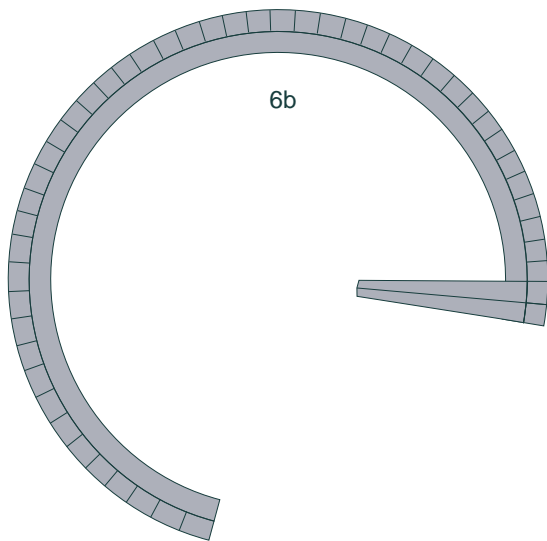
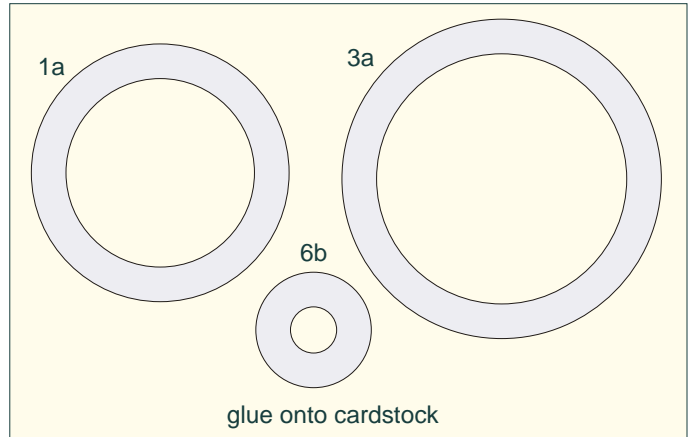
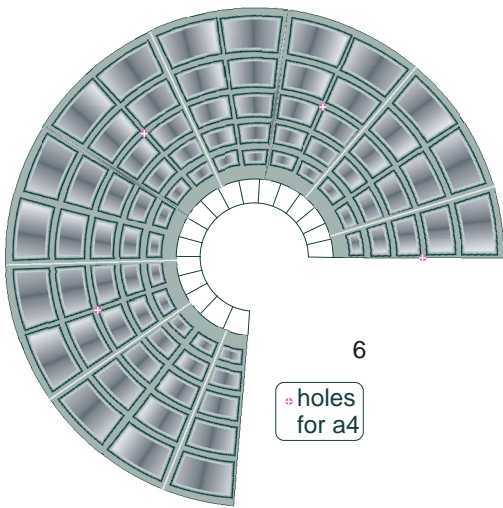
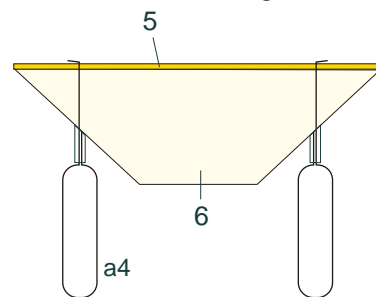


1:48 scale

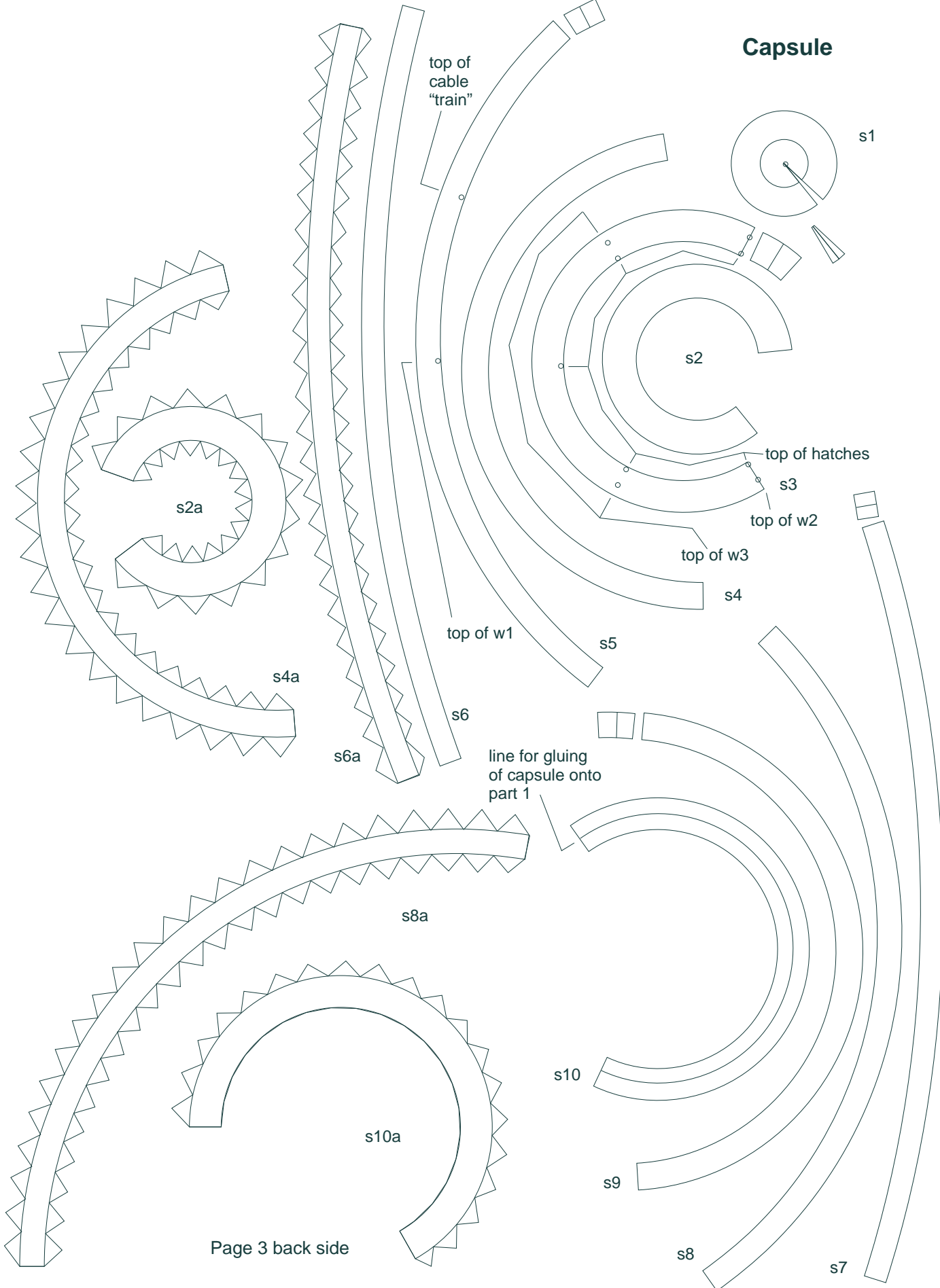


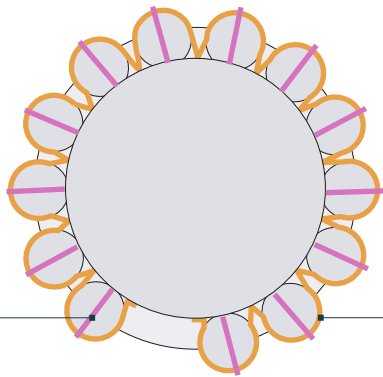
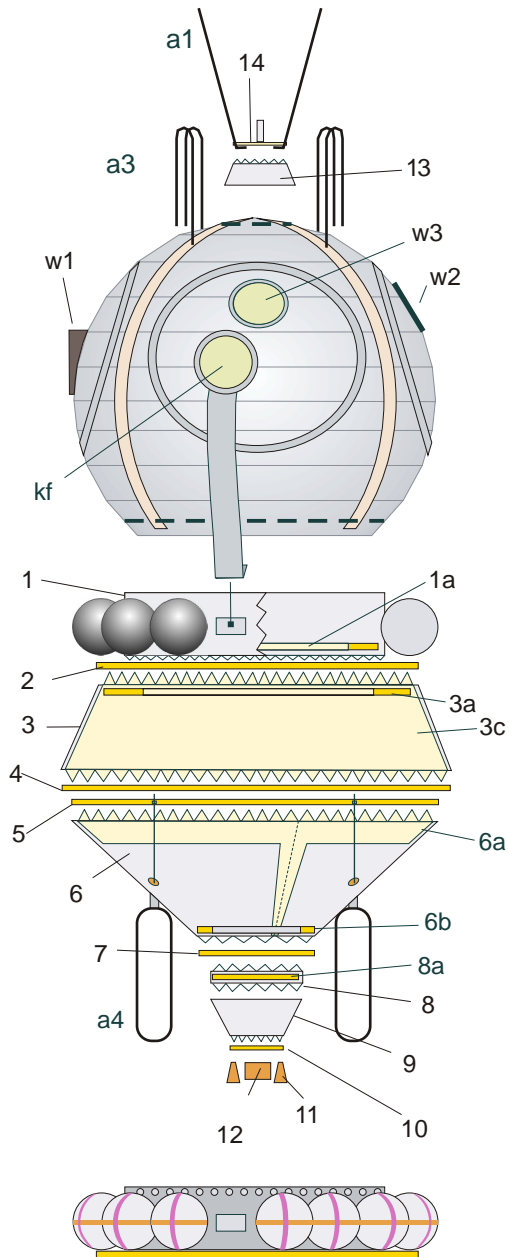


Transfix part 5 by needle through holes in part 6 in right angle to part 5. Insert each a4 with tube to holes of parts 5 & 6 and fold its ends as shown on diagram.



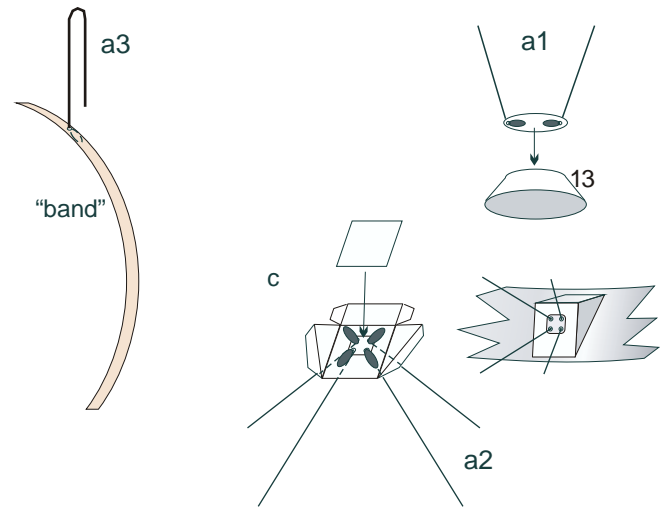
Capsule





glue "bands" over gas-balloons
 1 long "silver" strip 1mm x 280 mm
 13 short "silver" strips 1mm x 22 mm

Assembling of aerials



Assembling of Capsule (use PVA glue!)

First glue s2 onto s2a, s4 onto s4a and s6 onto s6a;
 then assembly hemisphere from s1 to s6.

Unroll junctions on the inside of hemisphere
 by relatively small hard ball.

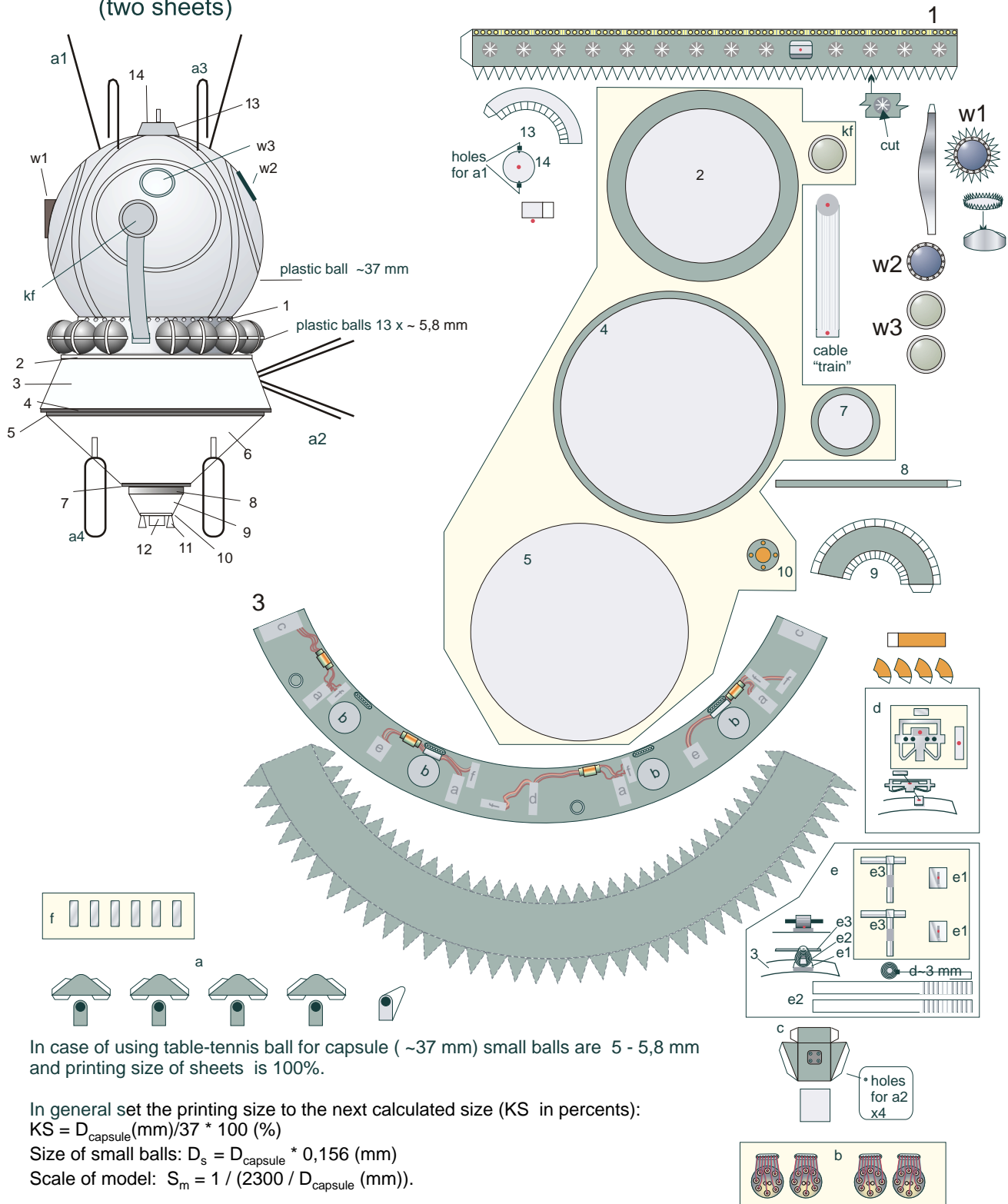
Glue s8 onto s8a and s10 onto s10a;
 assembly parts from s10 to s7. Unroll junctions.
 Assemble all to make the sphere. It is advisable
 to build Capsule **without a break**.

Glue hatches.

After glue dry up, it should caulk a chinks in joints if need
 and paint surface by silver spray.

The rest parts of Capsule should be glued
 after spray dry up.

Version of model based on plastic ball
(two sheets) 1:62 scale



In case of using table-tennis ball for capsule (~37 mm) small balls are 5 - 5,8 mm and printing size of sheets is 100%.

In general set the printing size to the next calculated size (KS in percents):

$$KS = D_{\text{capsule}}(\text{mm}) / 37 * 100 (\%)$$

$$\text{Size of small balls: } D_s = D_{\text{capsule}} * 0,156 (\text{mm})$$

$$\text{Scale of model: } S_m = 1 / (2300 / D_{\text{capsule}} (\text{mm})).$$

Example:

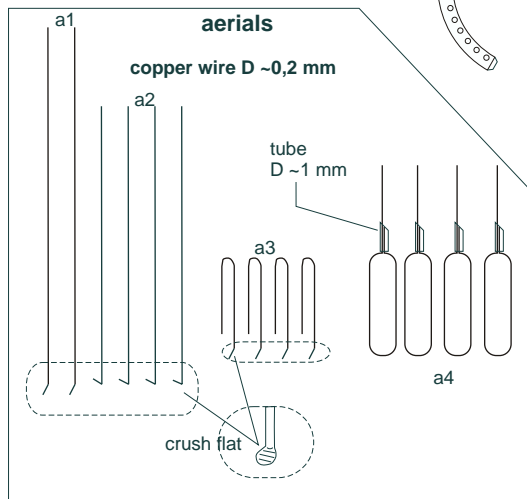
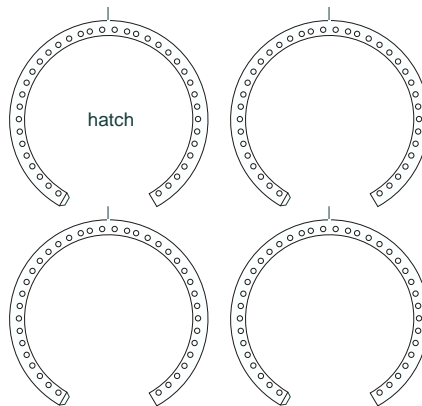
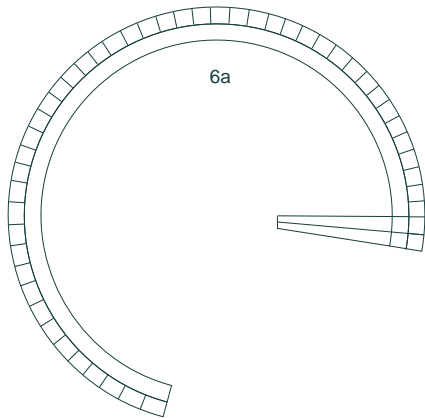
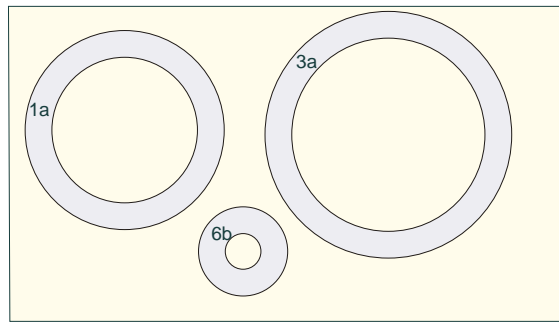
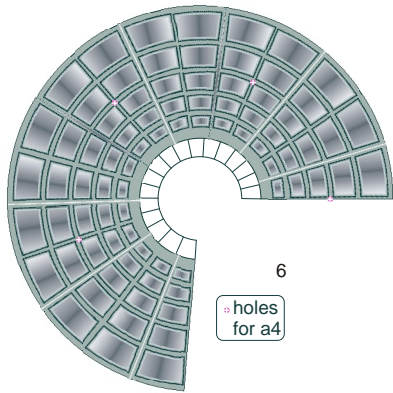
$$D_{\text{capsule}} = 30 \text{ mm} \quad KS \sim 88 \% \quad D_s \sim 4,6 \text{ mm} \quad S_m \sim 1 / 76,7$$

$$D_{\text{capsule}} = 47,9 \text{ mm} \quad KS \sim 129,5 \% \quad D_s \sim 7,4 \text{ mm} \quad S_m \sim 1 / 48$$

$$D_{\text{capsule}} = 55 \text{ mm} \quad KS \sim 148 \% \quad D_s \sim 8,6 \text{ mm} \quad S_m \sim 1 / 42$$

For sizes above 1 / 48 it's necessary to edit the sheets to fit into a standard printer.

The original model is made of 0,12 mm paper in scale 1/62.



Transfix part 5 by needle through holes in part 6 in right angle to part 5. Insert each a4 with tube to holes of parts 5 & 6 and fold its ends as shown on diagram.

