



Technische Konstruktion & Apparatebau Hofmann
Dr Benjamin Hofman
Kolpingstrasse 5
79423 Heitersheim

customer data

Name: _____

Street: _____

ZIP / City: _____

email : _____

Bike mfg.: _____

Bike type: _____

Year of construction: _____

Engine manufacturer: _____

Battery type: _____

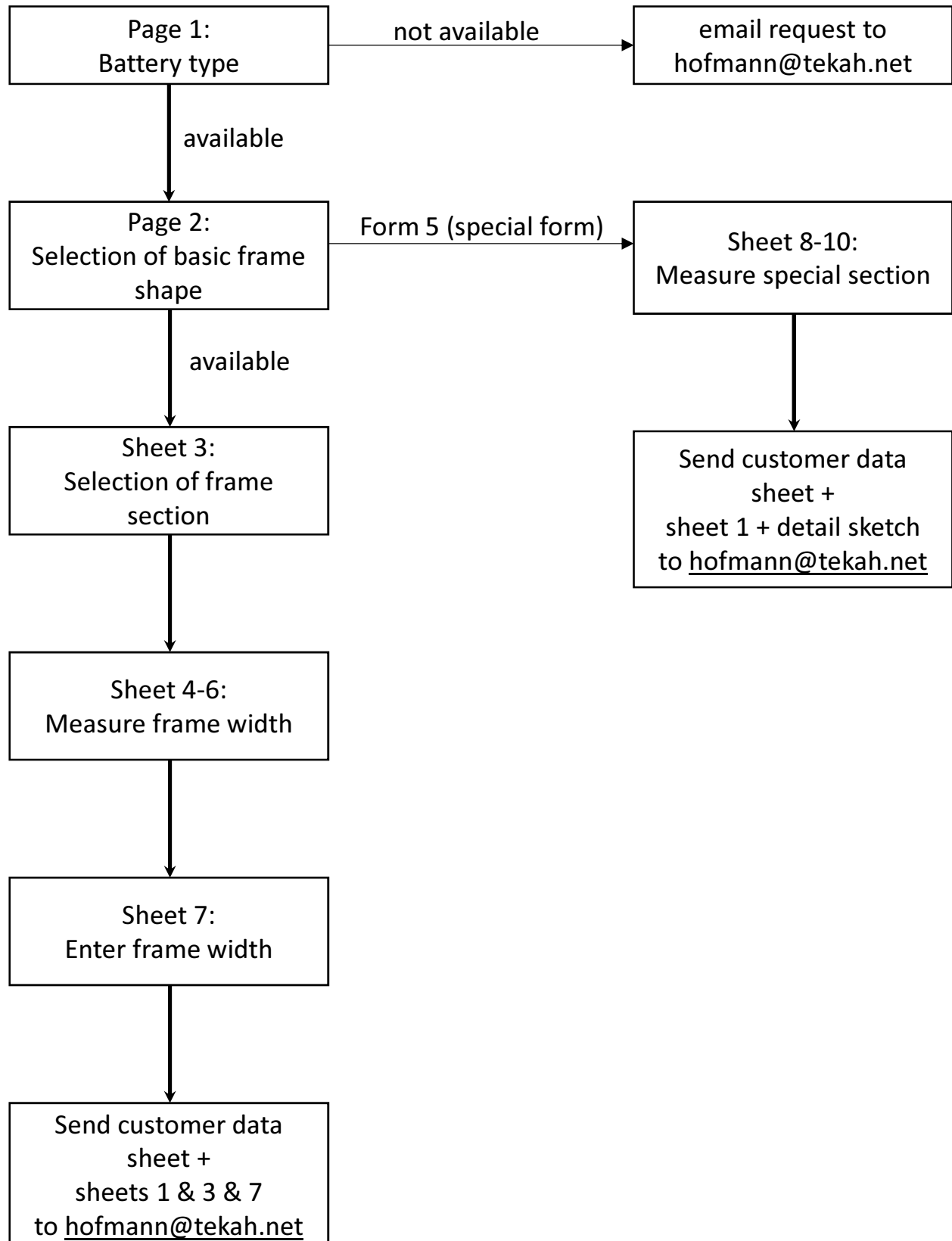
I have read the instructions regarding the use of the battery holder and agree to them.

.....
Date, signature

Hints with reference to Using the battery holder

- The battery mounts are individually made products . Therefore is a return not possible .
- The battery mounts are expressly only for touring use . For downhill, jumps and/ or similar use they are not suitable .
- The customer is responsible for the accuracy of his statements and measurements and sketches . If the battery holder does not fit should and this is a fault by tekaHofmann, it will be replaced free of charge.
- The customer has to convince himself always from firm mounting of the battery. For damages due to a battery that comes of the holder no liability can be accepted.
- If the battery holder and/ or the velcro straps are damaged this not further to use .

Process for ordering the e-bike battery holder



Sheet 1 - Battery shapes

Please tick

Bosch 400 Classic

1



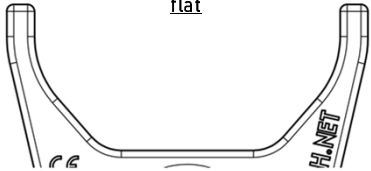
Bosch Power Pack 500

2



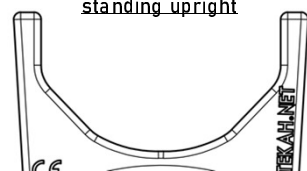
Bosch 625 Intube lying flat

3



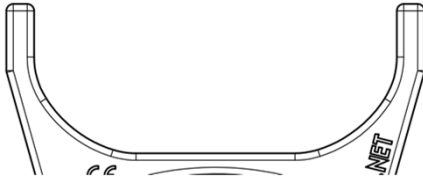
Bosch 625 Intube standing upright

4



Haibike power tube

5



Panasonic frame battery

6



Panasonic Intube battery

7



Shimano frame battery front

8

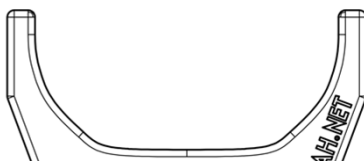


Shimano frame battery rear



Shimano Intube E8000

9



Yamaha Intube

10



Yamaha frame battery front

11



Yamaha frame battery rear



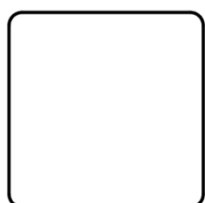
Sheet 2 – Selection of the basic frame shape

There are 4 basic shapes for the frame cutout of the battery holder.

The basic shape should be selected in such a way that the battery holder rests neatly on the frame on at least one side.

Examples:

- For example, if the frame has a straight top and straight or sloping side walls, the basic shape should be a rectangle.
- If the frame has a slightly curved top and straight or sloping side walls, the basic shape rectangle rounded should be selected.
- A separate Haibike basic shape is available for Haibike frames.

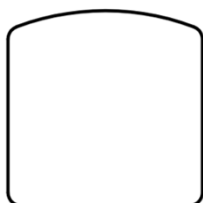


rectangle



Sheet 3:
cutout

1

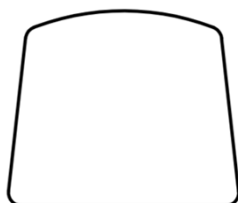


rectangle
rounded



Sheet 3:
cutout

2

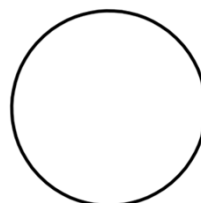


Haibike



Sheet 3:
cutout

3

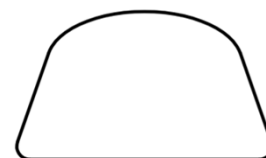


Round



Sheet 3:
cutout

4



Special cut-out
according to
drawing



Sheet 3:
cutout

5

Sheet 3 - Selection of frame cutout

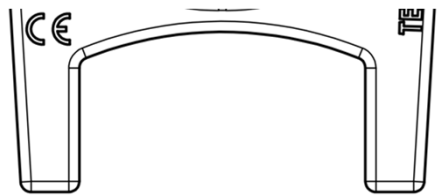
Please tick

1



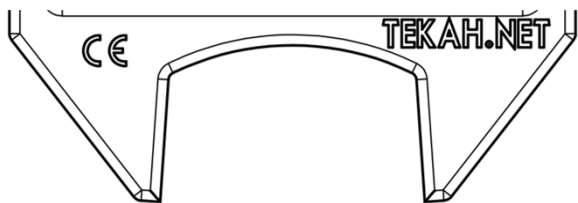
Section rectangle

2



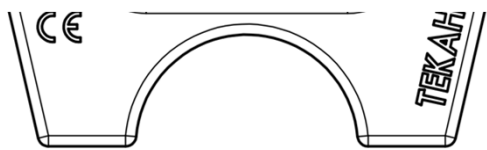
Section rectangle
rounded

3



Section Haibike

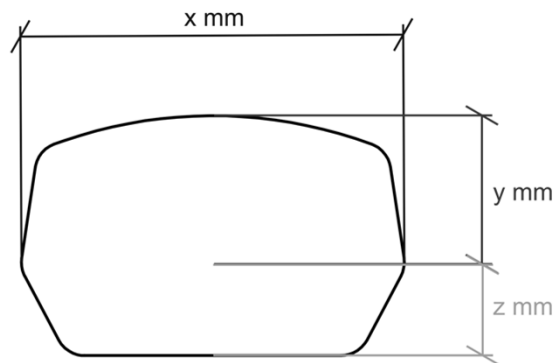
4



Round neckline

Sheet 4 - Measure frame width

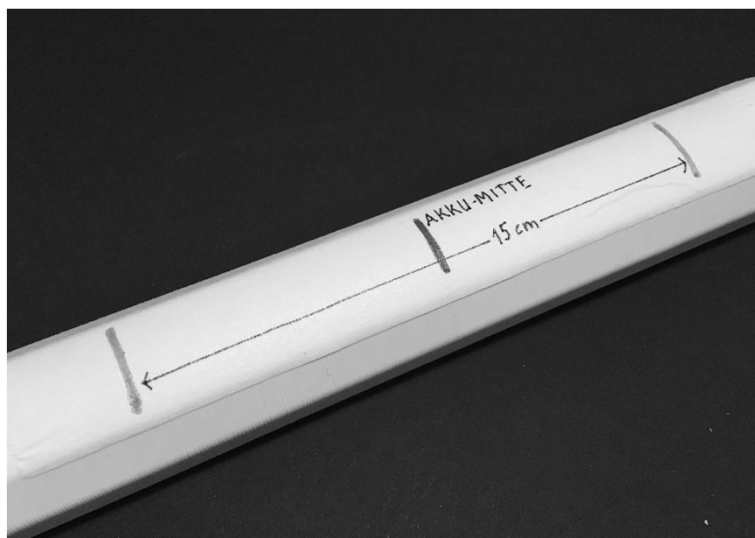
The two plastic parts of the battery holder should be approx. 15 cm apart for frame batteries or approx. 25 cm for in-tube batteries on top or hanging under the frame. The maximum frame width X , the height of the maximum frame width Y and the total height Z are required for both battery mounts. This is shown in the following sketch:



Proceed as follows to measure:

1. First find a good spot on the frame and stick a crepe tape about 30 cm long on the frame tube.
2. Mark the center of the battery on the tape. (the blue line in the picture).
3. Measure 7.5cm or 12.5cm from the center mark in both directions and mark them (the green lines in the picture).

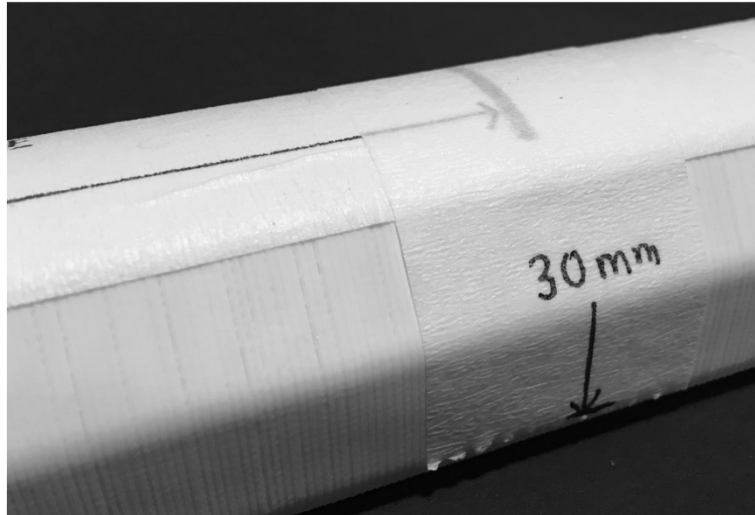
These are now the two positions for the battery holder.



continue on sheet 5

Sheet 5 - Measure frame width

5. Glue two strips of crepe across the frame tube at the points marked in green.
6. Mark a height of 30mm on both sides of this strip of adhesive tape → The legs of the battery holder are 30mm long, so the maximum frame width in the range of up to 30mm is required.



7. Measure the width of the frame in the area of the mark with calipers.

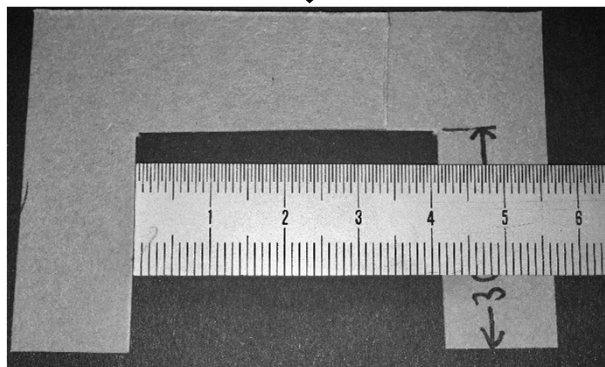
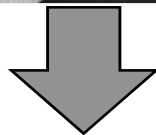
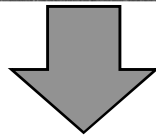
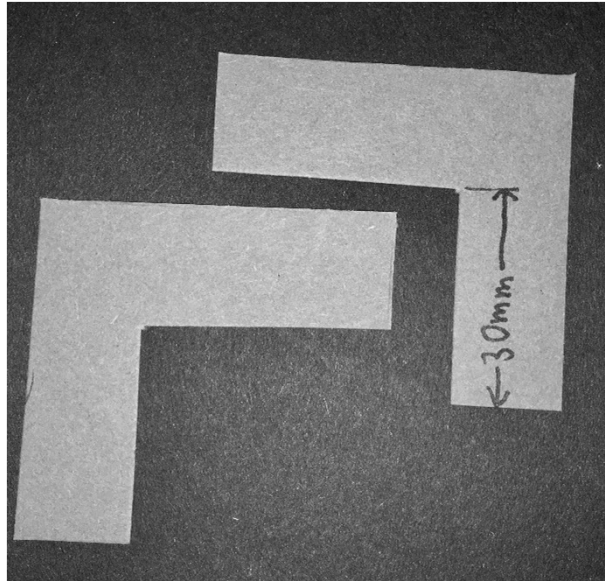


If you don't have a caliper, you can cut two rectangular templates out of cardboard and use them to measure the width:

further on sheet 6

Sheet 6 - Measure frame width

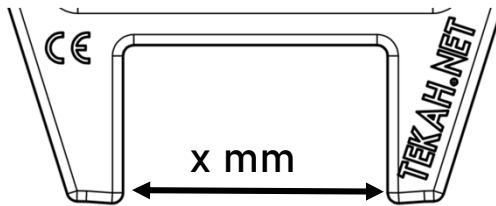
Measuring template:



Sheet 7 – Enter the cut-out width

Enter

1

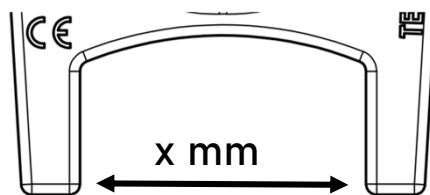


Frame width in driving direction

Front : x: ____ mm - y: ____ mm - z: ____ mm

Rear : x: ____ mm - y: ____ mm - z: ____ mm

2

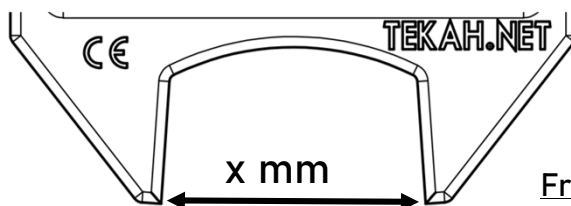


Frame width in driving direction

Front : x: ____ mm - y: ____ mm - z: ____ mm

Rear : x: ____ mm - y: ____ mm - z: ____ mm

3

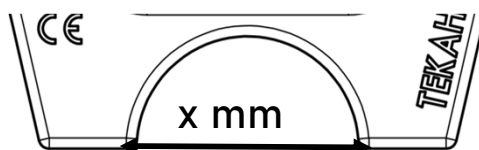


Frame width in driving direction

Front : x: ____ mm - y: ____ mm - z: ____ mm

Rear : x: ____ mm - y: ____ mm - z: ____ mm

4

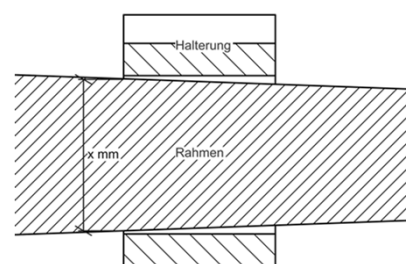


diameter in driving direction

Front : mm

Rear : mm

Note : The battery holder is 50mm thick. If the frame changes width in the holder area, use the largest width, the blue x in the picture



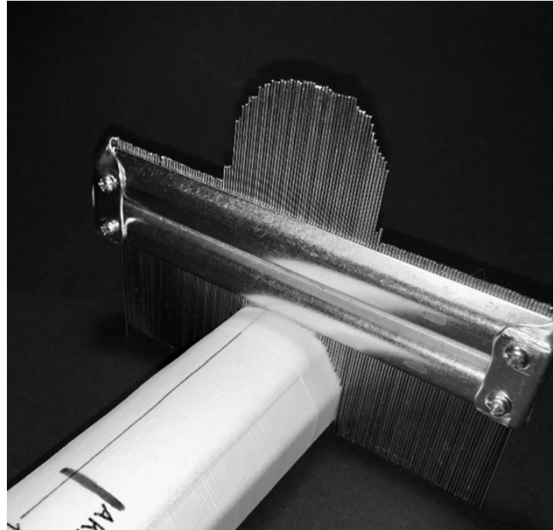
Sheet 8 – Measure special cut-out

Special cutouts can be measured with different possibilities:

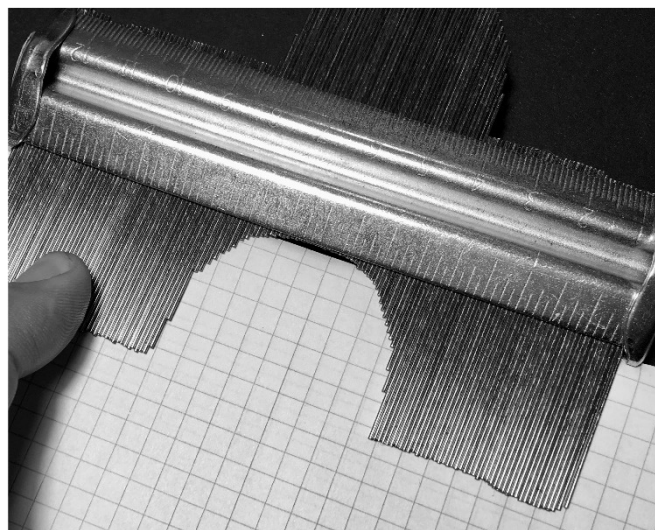
variant 1: contour template

Set the contour stencil on the two with green marked places .

Make sure that the stencil is straight, which is important for the accuracy of the holder.



Transfer the inner contour of the stencil to 5mm squared paper – here the straight alignment is also very important. Add some dimensions.



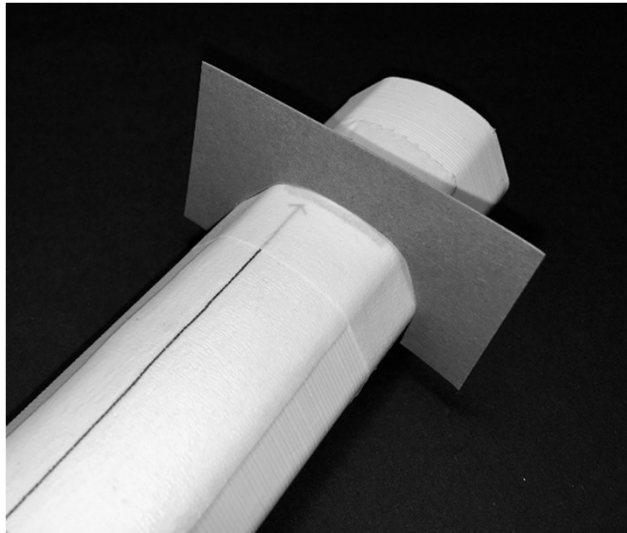
Sheet 9 – Measure special cut-out

Variant 2: cardboard template

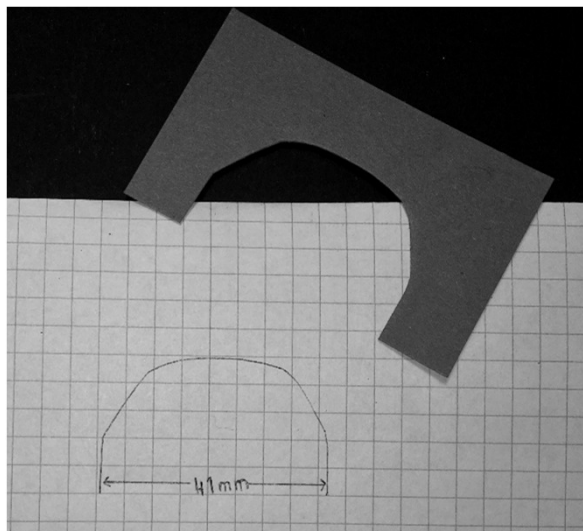
Roughly cut out the outline of your frame from cardboard on the green marked places.

Put the template on and widen it if necessary.

If the template is too wide, transfer the section to a new piece of cardboard, re-cut it narrower at the positions that are too wide and check it again. This process may have to be repeated several times to get a precise contour



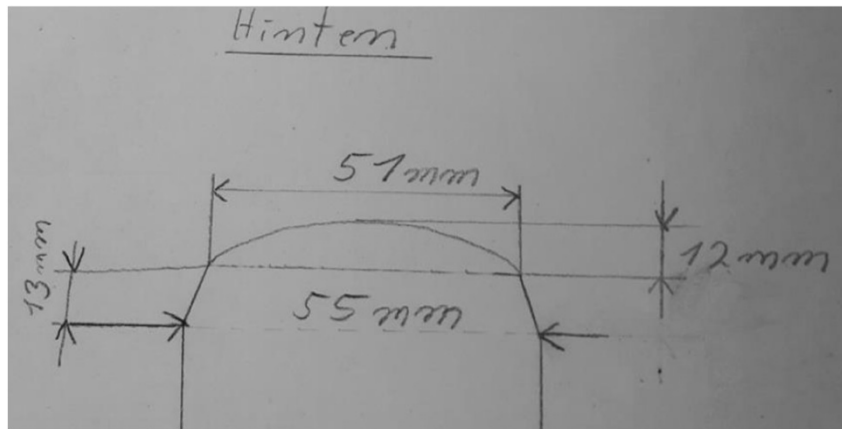
Transfer the inner contour of the template to a 5mm squared paper - here the straight alignment is also very important. Add some dimensions.



Sheet 10 – Measure special cut-out

Variant 3: Measurement with calipers

Make a dimensioned sketch, like shown in the example shown below



Variant 4: drawing file

If you are experienced in dealing with drawing systems, you are welcome to send us a DXF or SVG file. Please ensure that you send an additional PDF printout with at least one size dimensioned to avoid scaling errors when reading it in

Proceed further:

Scan the sketches made from variants 1-3 with a scanner and send them with the remaining documents by email. An individual frame mount is created on the basis of these sketches.

frequent asked Questions / FAQs

- **I have a Cube Stereo Hybrid 120, like yours website pictured . Why must I it measure again?**

The frames are partly different from year to year. Therefore a measurement is necessary.

- **My battery has a neoprene protective cover. Can you make the mount a little bigger?**

The bracket cutouts are 2mm larger than the battery and frame anyway. Each mount comes with 1mm and 2mm thick rubber strips that are glued to the mount and protect the battery or frame. Omit these rubber strips for the battery and the battery can be mounted with neoprene sleeve.

- **My frame gets thinner over the 50mm width of the mount. Can you adjust the frame cutout for this?**

Unfortunately this is not possible, but it has also turned out that this is not necessary. With the enclosed rubber strips, the thinner area of the frame can be additionally padded.

- **I ordered a bracket with a rectangular cut-out, but this has air on the sides and wobble**

If you want to improve the fit of the bracket, you can either use sections of the enclosed rubber pads, or alternatively adjust the section of the bracket, for example with epoxy putty. To do this, place the 2mm rubber pad on the frame and fix it with masking tape. Cover it additionally with cling film. Now place the holder on the rubber pad and fill the gaps piece by piece with the activated play dough and press the holder onto the frame so that excess play dough is squeezed out.