

# Bootzeil

**Instruction manual**



# Foreword

Bootzeil is the most innovative boat cover maker of this time. Next to our specialty in boat covers, we also make covers for furniture, barbeques and other objects. With proud we present to you the “I am Sailmaker” package, which you can create your own Bootzeil with! Using Griffon glue and high quality Endurance+ sail from Heytex, you can easily make a custom cover, just the way you want it.

On behalf of the Bootzeil I am Sailmaker team and her development partners Griffon and Heytex, we wish you good luck and a lot of fun with creating your own custom cover!

For questions and answers, go to:  
**[www.Bootzeil.nl](http://www.Bootzeil.nl)**

# Disclaimer

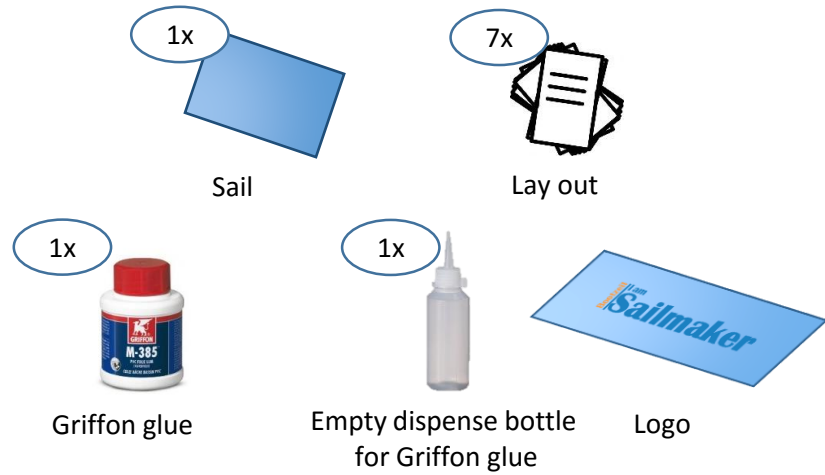
- The glue can change colour if it is exposed in UV-light for a long time.
- The tape can leave tape residue when it is pulled from the sail.
- The glue needs to dry for at least 2 hours, before any tension can be putted on the cover.
- The Griffon glue can be used from a temperature of 15°C.
- Griffon glue can only be used in good ventilated rooms or outside. Take breaks when you have a long glue session, to get fresh air.
- After 24 hours the glue completely hardened.
- Instructions tent to be followed in the right order to prevent mistakes.
- Before you start, read the complete manual to get a picture of the whole process.
- Please contact Bootzeil or watch the help video's on our website, [www.Bootzeil.nl](http://www.Bootzeil.nl), if you have any questions.
- Bootzeil is not responsible for the end result of your cover.

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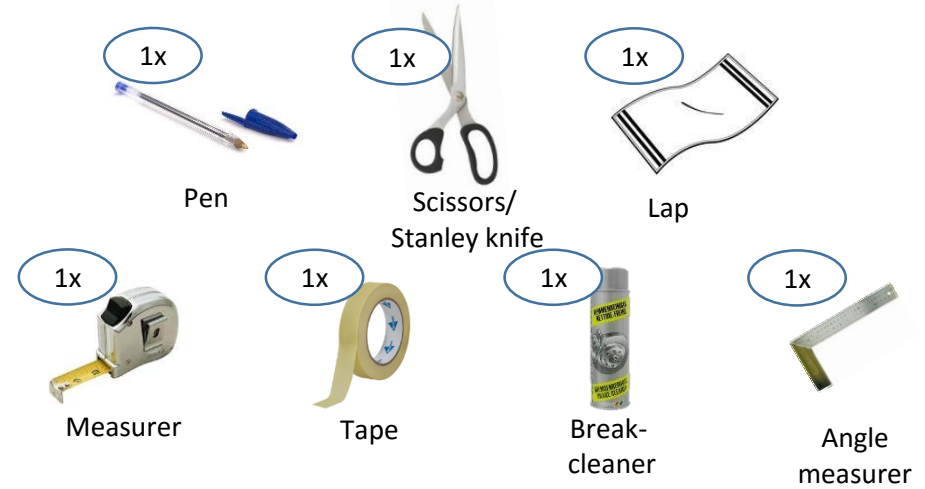
## I am Sailmaker standard contents



## Extra



## Further needs









## Before you start:

- Check is the package is complete
- Before you start, read the whole manual
- Make sure you gathered the further needs before you start
- Make sure you have enough space to lay out the sail
- It can be handy to glue the sail with two persons, especially with big covers

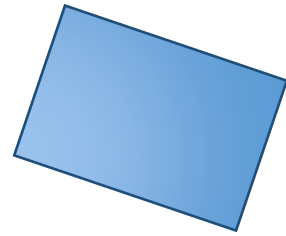
**TIP** Keep the contents of the package and the leftovers of the sail. This way you can easily repair your cover when needed.

# Symbol list 1

Symbol	Meaning	Manual	Lay outs
	A fold. / The corner of a sail.	x	x
	Glue line.	x	x
	Optional rounding of the sail.		x
	Make an incision in the sail to make the rounding of the sail better.		x
	To apply the 'painters method'.	x	
	Sail with glue on it.	x	
	A place to cut the lay out when it is to big for the provided sail.		x
(...±...)	To keep the lay outs clear, some measurers are added together.		x
$O=\pi*\emptyset$	For the drawing of some lay outs you need to calculate some measurers with this formula. Periphery= $\pi$ *intersection		x
*	Measures with this symbol can be measured when other parts of the cover are already put in place.		x

# Symbol list 2

The following symbols are getting used for the manual to glue with Griffon M-385.



Dekzeil



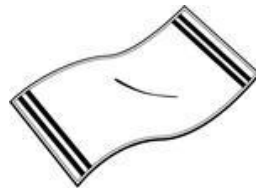
Griffon lijm



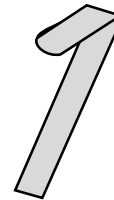
Remmenreiniger



THF lijm



Doekje



Tape



Let op!

# Overall information

When making your own cover, there are a few overall rules that need to be followed to prevent mistakes, imperfections and uncertainties.

- **Measure the sizes of the cover, not the object.**
- A glue line is 2.5cm.
- The glue line and the measured sizes, both need to be drawn on the sail.
- **Every line needs to be tagged with the concerned letter.**
- **Every size needs to be measured after they have been drawn on to the sail.**

*This to prevent mistakes.*

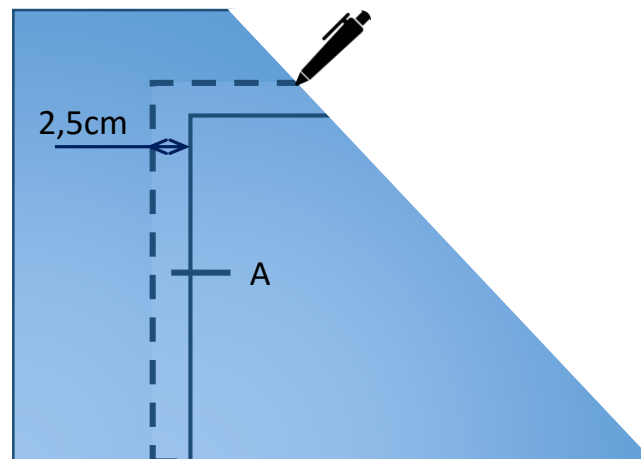
- **Van elke lijn moet het midden worden aangegeven met een streepje.**
- **Every line needs a little stripe to indicate the middle of the line.**

*This middle point makes it easy to fit the two matching sides together.*

- The lines need to be drawn with a thin pen.

*Using a thin pen prevents confusion about which side of the line is the side that needs to be cut out.*

- You cut on the glue line and you glue between the glue line and the measured size line.

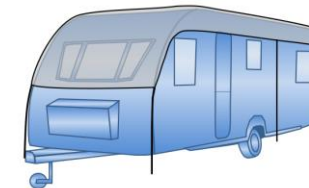
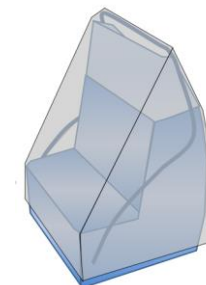
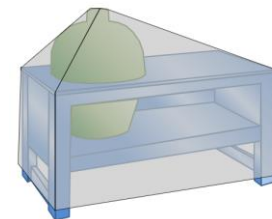
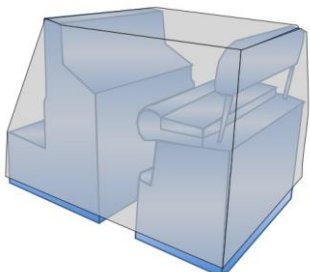
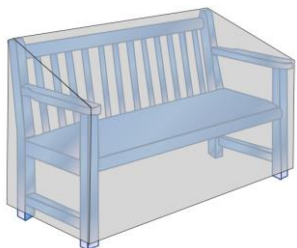
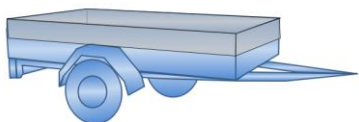




# Lets start!



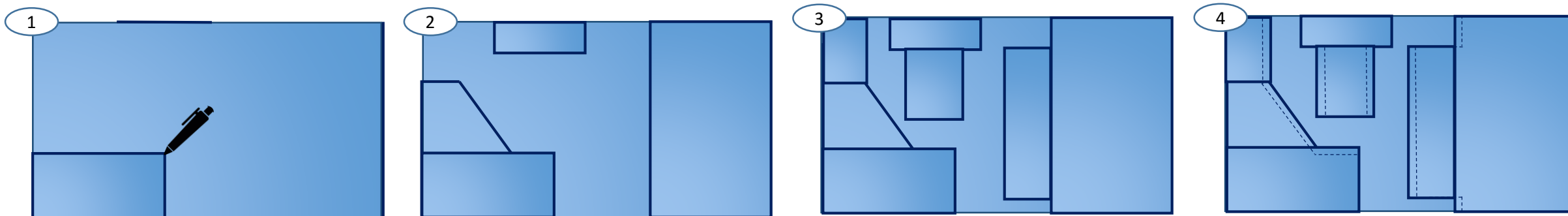
- Pick the lay out you wish to make or design your own and draw this on paper.  
*Next to making covers of the sail, you can also use it to make other things. A few examples are a drip tray for your old timer, a sunshade, a hammock, or many other things! Do not limit your creativity by the given lay outs.*
- Put the letter at the matching line and make a overviewing list of the sizes and its letter.  
*This gives you a clear overview of what you are about to draw on the sail. The process of making your cover will be a lot easier if the drawing is clean and clear.*
- Before you draw the sizes on the sail, the size of the glue line needs to be added.  
*A 2.5cm needs to be added at sides with a glue line. If you have a standard lay out, these are on the drawing. When you made your own lay out, make sure you add enough glue lines on the right spots.*
- Take for sizes that contains corners a few centimetre extra.  
*When you make your cover, sail will 'disappear' in round corners. When you add a few centimetres, you will know for sure that your cover won't be to small and that you can easily put it around your object of choice.*



# Drawing

**Drawing it he most important process! Make sure you apply the overall rules from page 8 of this document. These are very important.**

- Draw on the inside of your sail.  
*This way you won't see the drawn lines when you are finished. The inside of the PVC sail is the matt side.*
- To prevent a short of sail or a leaning side, you start drawing with the longest/ widest sides of your lay out, on the sides of the sail.
- Build your drawing from this longest/ widest side.
- First, draw the lay out including glue lines, second you make the lines of you measured sizes.  
*This way you can see clearly what you have to glue.*

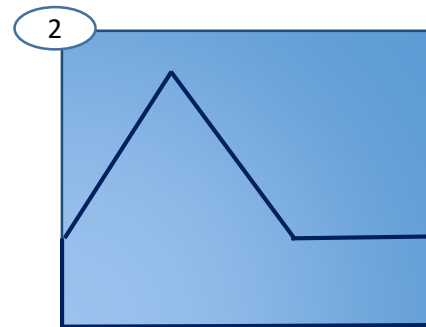
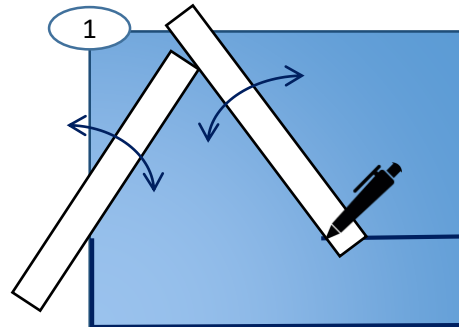


This is an example, not a realistic lay out.

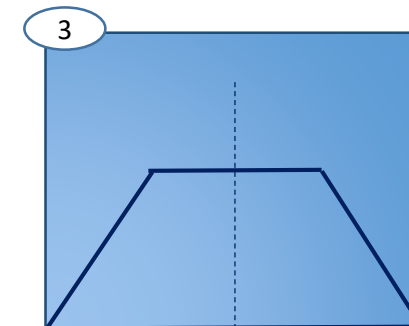
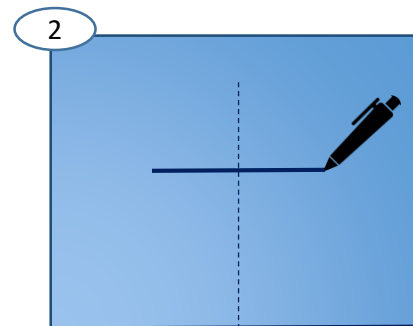
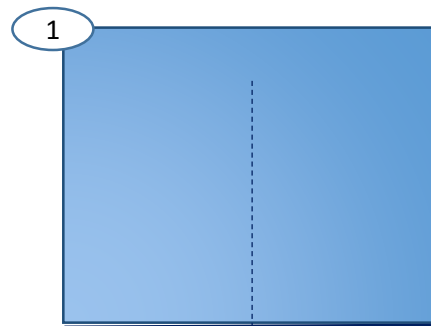
# Drawing tips

Some lay outs/ angles are hard to draw. The following tricks will make it a bit easier for you:

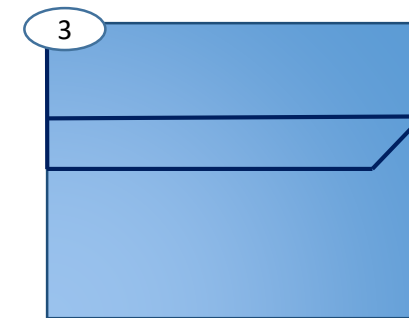
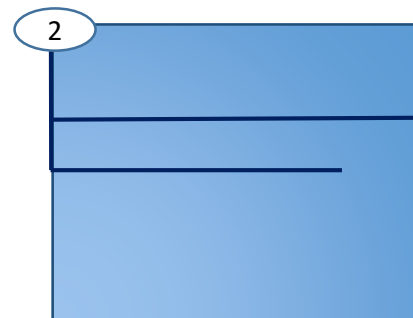
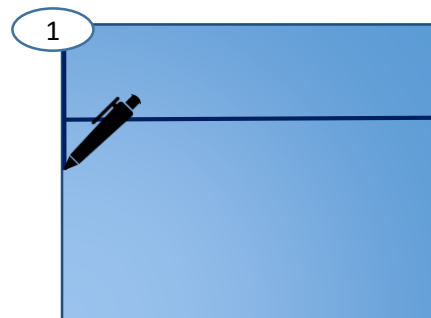
By crossing two rulers until they display the right measure, you can easily draw angles that seems to be hard at first sight.



Some lines seem to be hard because both sides have an undefined angle. By using a middle line, this will be a lot easier.



When you have a level with one leaning side, it is better to draw the three straight lines first. Do not forget to measure the leaning side after you drew it!



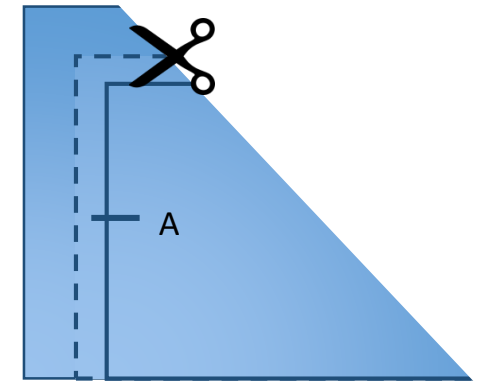
# Cutting

- After you:
  - Checked every size
  - The middle is indicated with little stripe
  - The letters of the measures are placed
  - Checked if the glue lines are drawn correctly

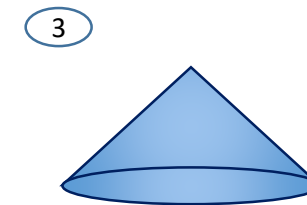
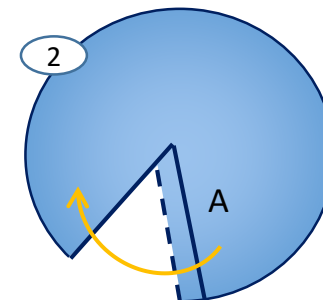
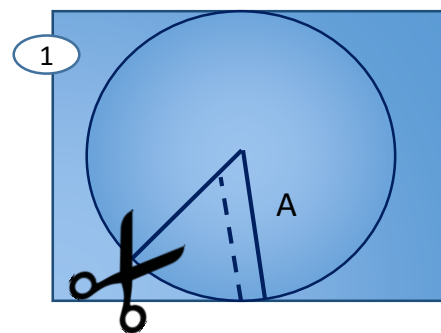
You cut the lay out on its **outside (!)** line.

*Make sure you do not cut the glue line. Then you can start over.*

- Follow the overall rules to get a good result.

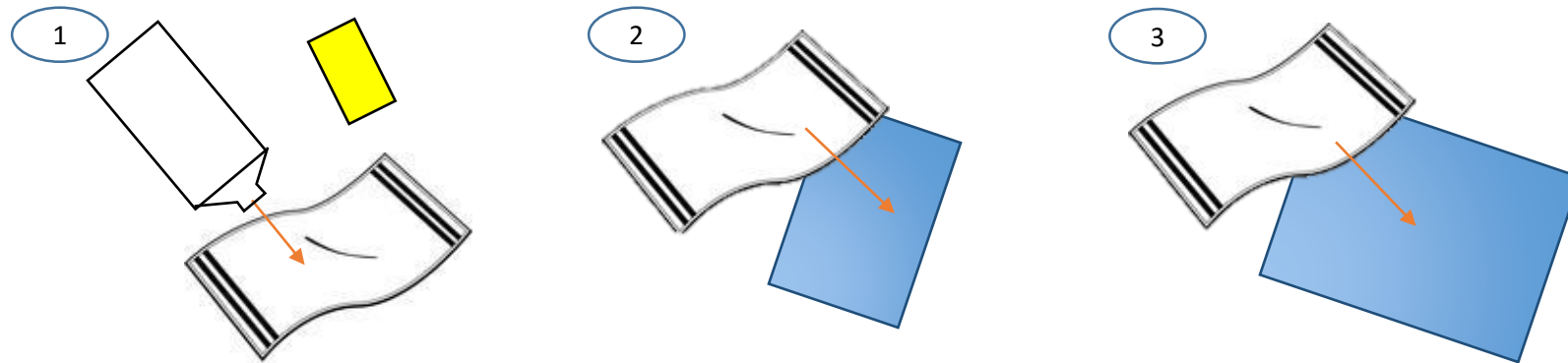


To make round/ organic forms, you cut a triangle. Glue the sides together on the way you want to, to get the form you like.



# Glue preparations (optional)

Use the break cleaner to defat the surfaces. Poor some break cleaner on your lap and clean both surfaces. This makes the glue attach better to the sail.



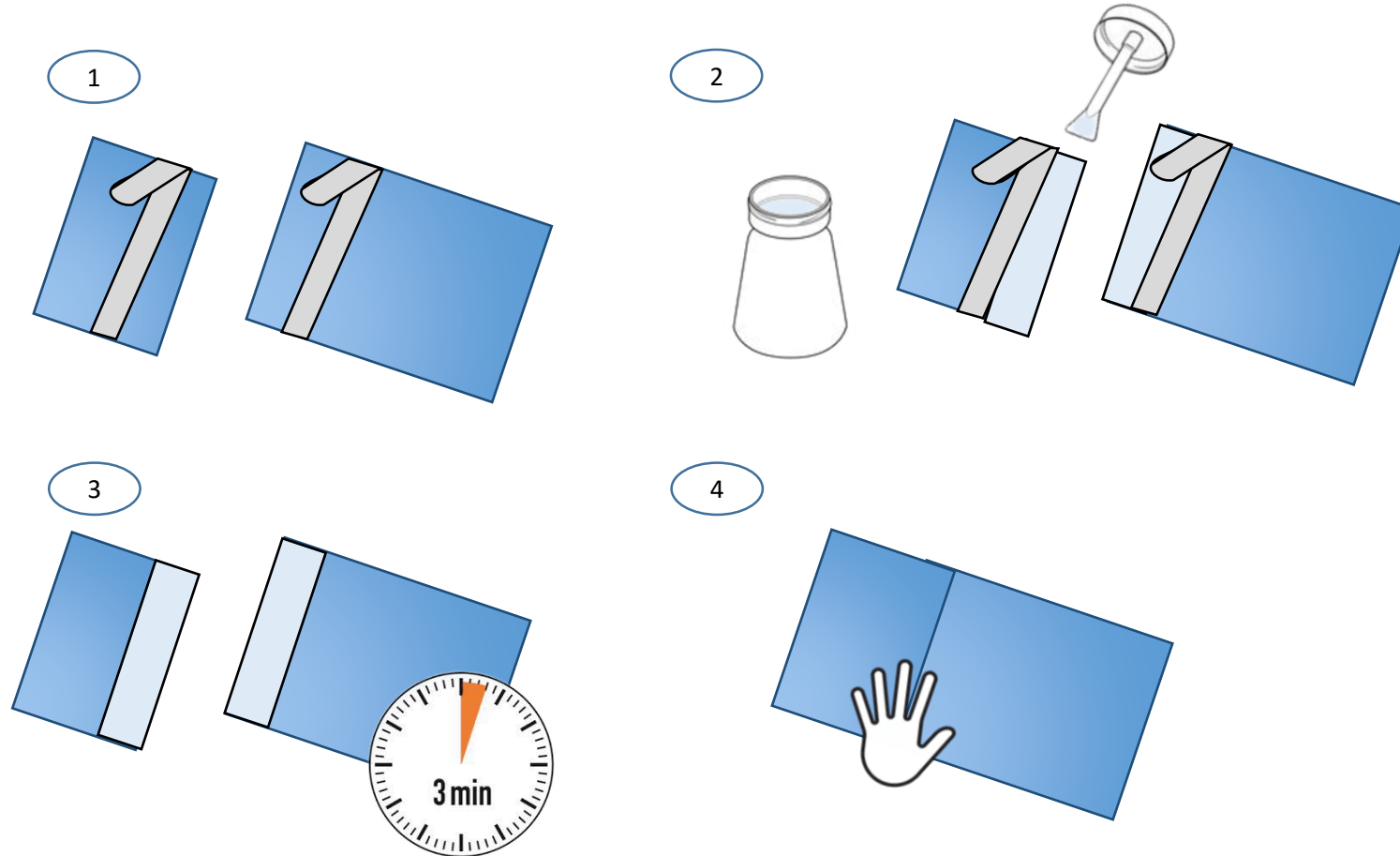
# Glue instructions

Place the sail in a position so the glue sides are up.<sup>1</sup>

Place a line of tape next to the glue surface<sup>1</sup>, this prevents glue to go next to the glue surface.

Put on both sides Griffon M-385 glue<sup>2</sup> and remove the tape.<sup>3</sup> Let this dry for at least 3 minutes.

Position the sides and put them together.<sup>4</sup> Repeat the process at every side that needs to be glued.



The most easy way to glue is to position the sail in a way so the glue surfaces are flat. This also prevents imperfections and wrinkles in the seams.



Due to UV-light the glue can discolour. Make sure the glue stays on the glue surface. Did the glue get outside your glue surface? Try wipe it away with a lap as soon as possible. Later you can buy a Griffon Glue remover if needed. Do NOT use this if the glue is not completely hardened.

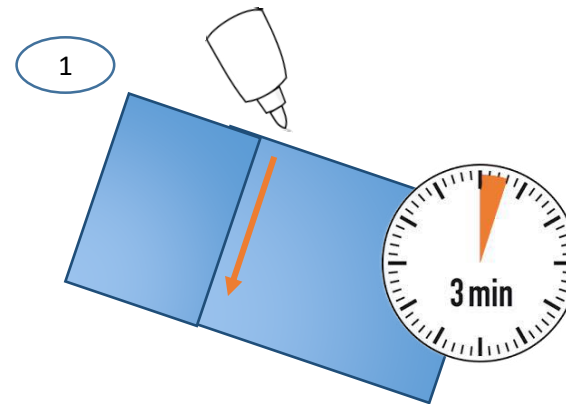


You can use Griffon M-385 from a temperature of 15°C

# Check your cover (optional)

To prevent your cover to get hooked or dirt to stick under the seam, you can finish your cover with a small line of glue

Place the Griffon glue carefully along the edges and corners of the glued sail.<sup>1</sup> You may use tape to make this easier. Let the glue dry for at least 3 minutes.

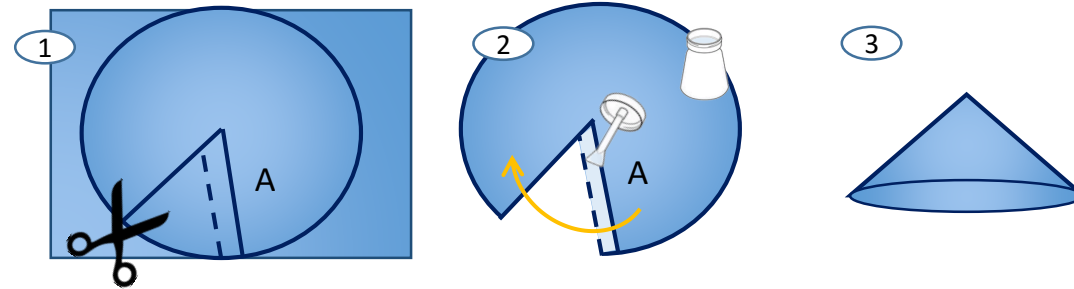


Be careful with the amount of glue you use. When you use too much you can see the glue. Also UV-light can affect the colour of the glue.

# Extra additions

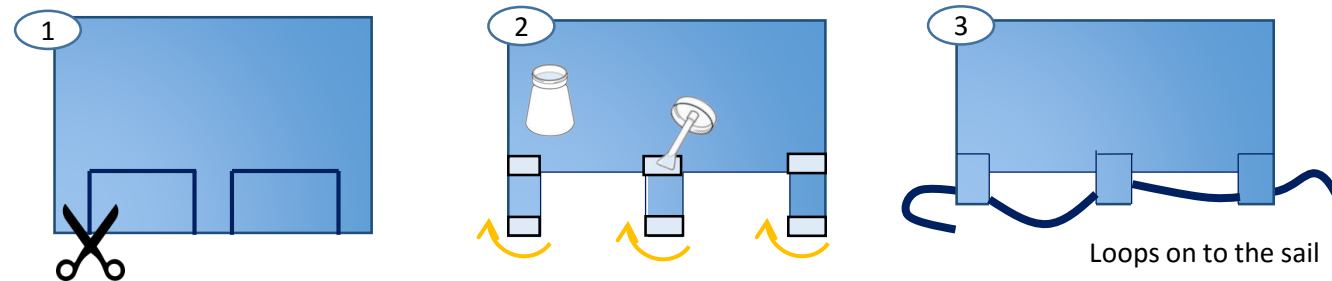
To make your cover even more personal there are several additions. These make your cover even more practical, versatile and gives you options to create span sails and other different covers, like a cover for your cargo bike.

To make sure that your cover is waterproof, you can place pads on the corners on the inside of your cover. You won't see these and they give extra protection. You can also use this on spots where your cover rests on sharp edges of your object.

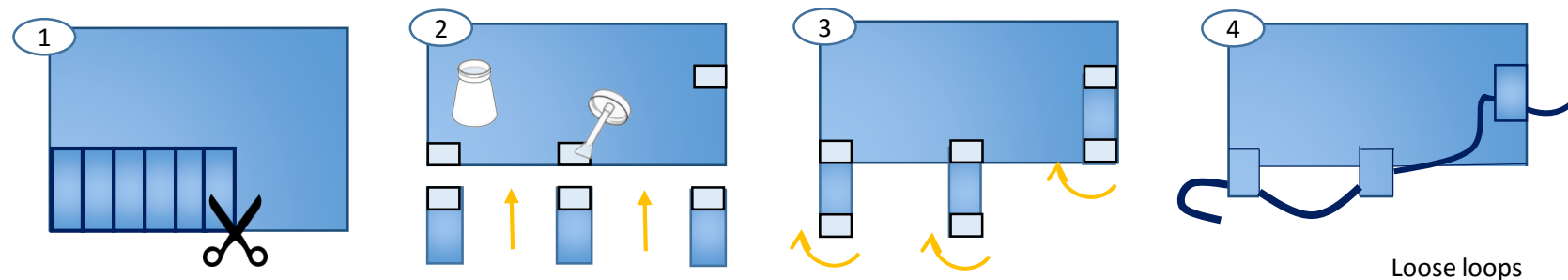


**TIP** If you do not have spots to knot rope or elastics in your surrounding, you can use a cap set. On the next page is further information how to attach the caps.

If you want to attach your cover to something, or you would like to make a span sail, you can make loops on the bottom of your cover. You can put rope, elastic or a span set trough the loops to attach your cover. You can also put rings on the bottom of your cover.



Next to these options, you can also use printers to fit your cover.





# Extra additions

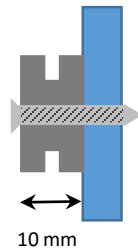
Below, you can see multiple ways to attach the cap set to your object.

## Montage by drilling:

1. Drill a little hole in your object
2. Screw the cap to your object

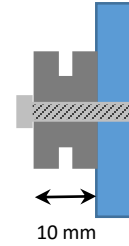


Pay attention to the places of the elastics. This needs to be on the same line as the caps.



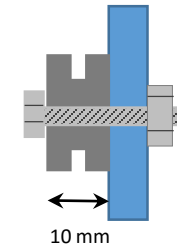
Polyester / Wood

**Screw:** Self-tapping RVS  
Thickness: 4.8 mm  
Length: 20-25 mm  
Wall thickness + 2mm marge  
**Drill:** 4 mm wood drill



Iron / Steel

**Screw:** Self-tapping RVS  
Thickness: 4.8 mm  
Length: 15-17 mm  
Wall thickness + 2mm marge  
**Drill:** 4 mm iron drill



Aluminium

**Screw:** Nut/Bolt Aluminium (or RVS)  
Thickness: 4.8 mm  
Length: 18-20 mm  
Wall thickness + 2mm marge  
**Drill:** 4 mm iron drill

## Montage by glue:

1. Defat the surface
2. Glue the cap with enough kit
3. Let this dry for at least 24hours before putting pressure on the cap



Glue

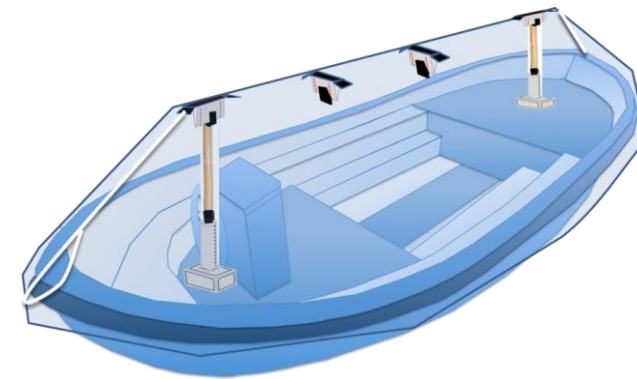
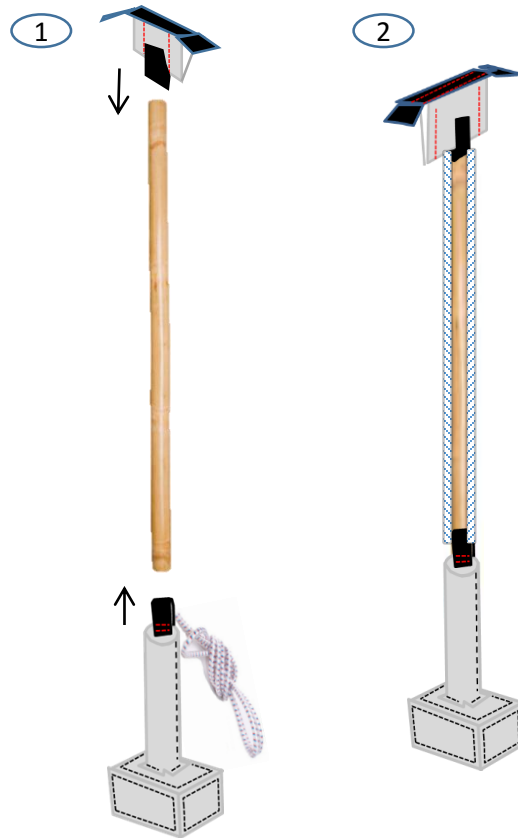
**Necessities:** Defatspray  
Lap  
Strong Kit



Make sure you defat carefully!  
The glue needs at least 24hours to hard completely.

# Extra additions

To support your cover, you can choose to install a pole.  
You saw the bamboo the good size and places the foot on the downside of the pole<sup>1</sup>. Then you place the top piece on the upperside<sup>1</sup>. Next you glue the top piece on the right place of your cover. After you glued the top piece to the cover you pull the elastic between the foot and top thigh.<sup>2</sup>  
To remove the pole, you remove the elastic. The bamboo will come loose from the top and you can remove it along with the foot.



An example of the placing of the poles.

# I am Sailmaker!

Now that your cover is completely done, you can show off your good work with the I am Sailmaker logo!

This shows that completely made it by yourself.

Grab the glue and the logo and find a nice spot on your cover.

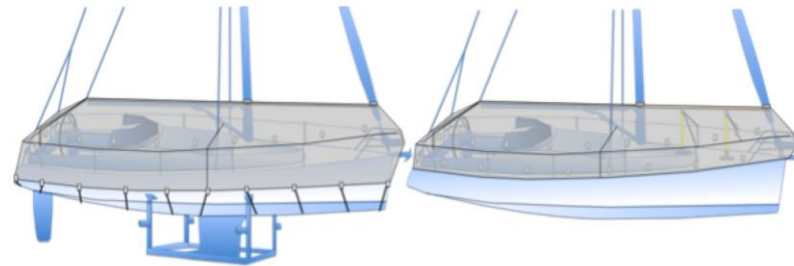
Now everyone will see it is your home made cover.



Enjoy you cover!

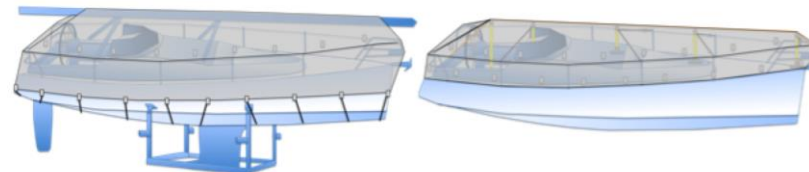
Do you already have:

**A boat sail for your speedboat,  
sailboat or motorboat?**



**Op de kant**

**In het water**



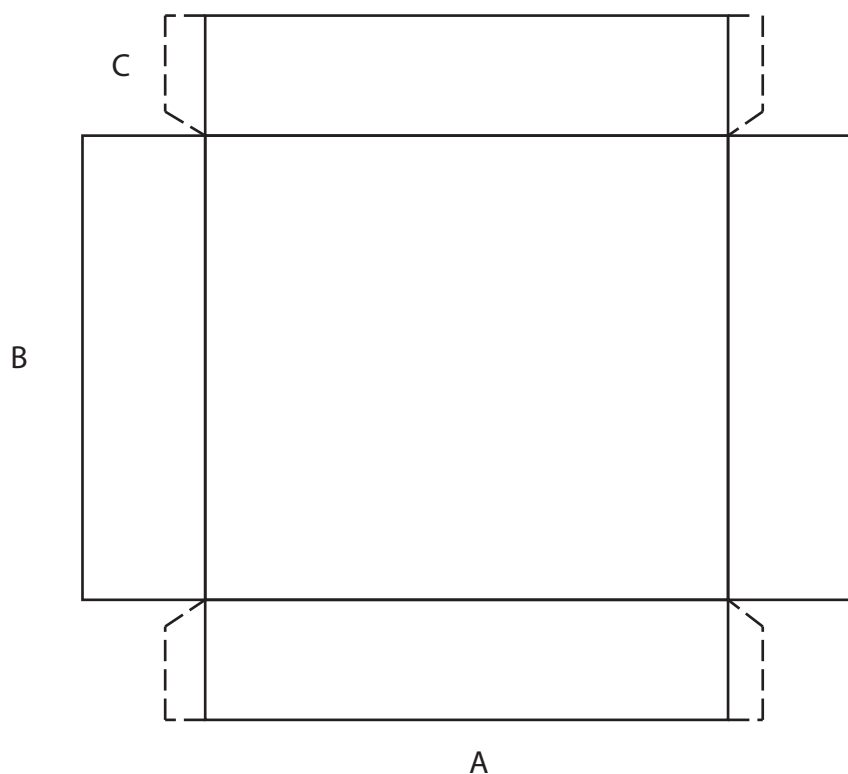
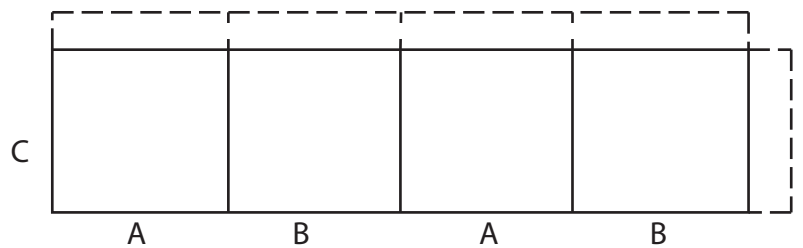
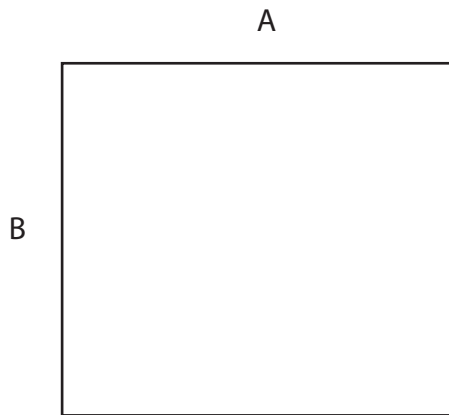
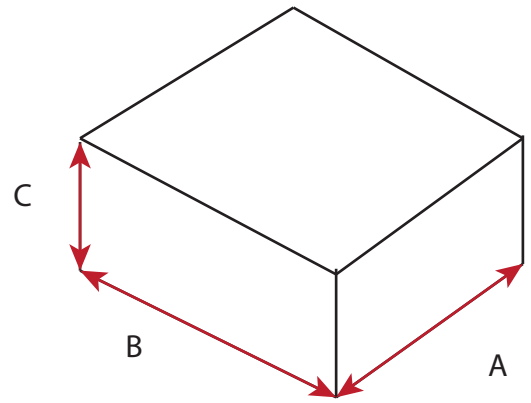
**Liggende mast**

**Hurricane frame**

**[www.Bootzeil.nl](http://www.Bootzeil.nl)**

# Vierkante hoes

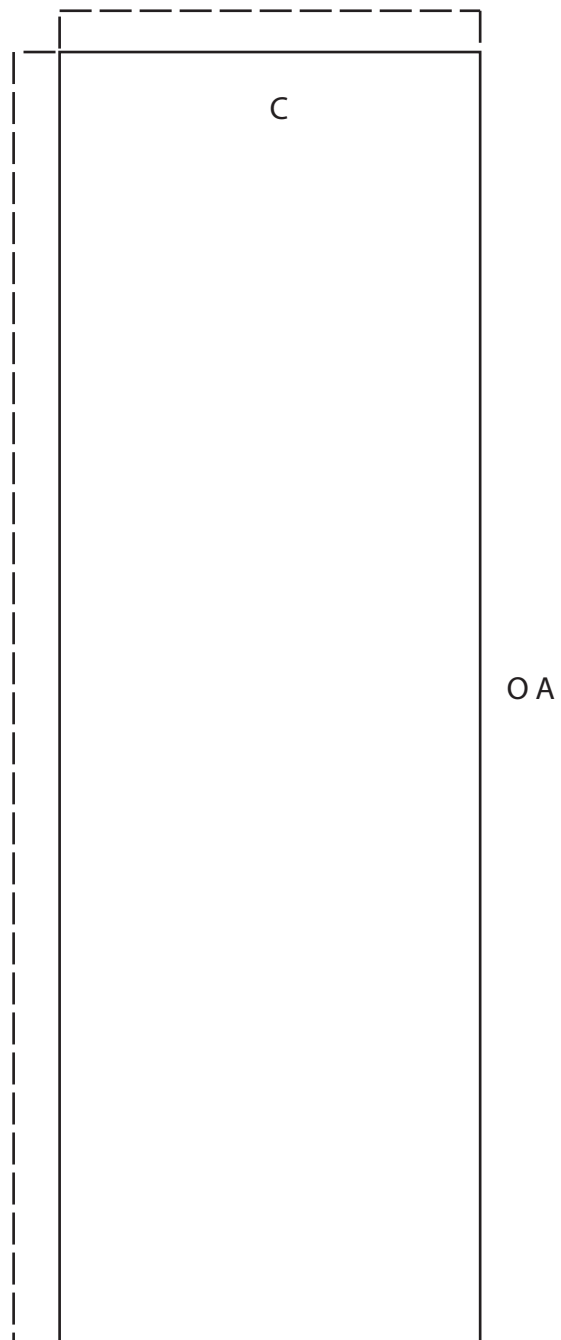
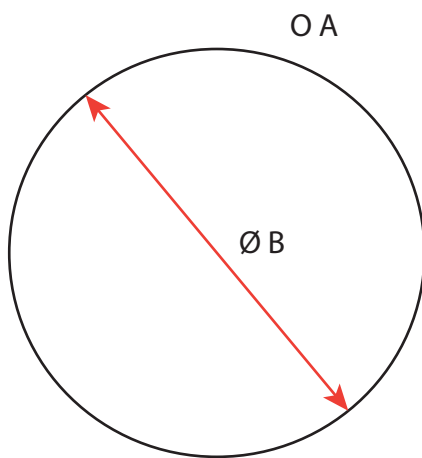
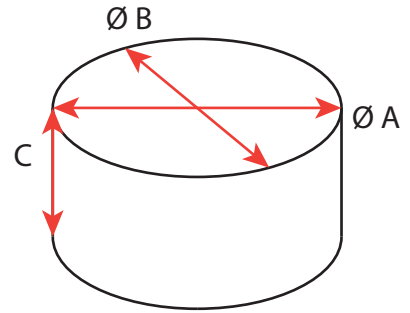
De letters zijn de door u gemeten maten van de hoes.  
De stippellijn is een lijmrand, deze 2.5cm moet  
nog bij de gemeten maten worden toegevoegd.



# Cilinder hoes

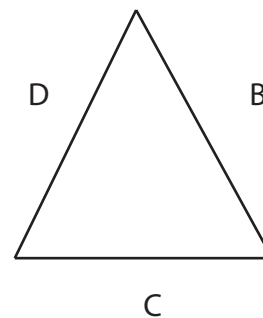
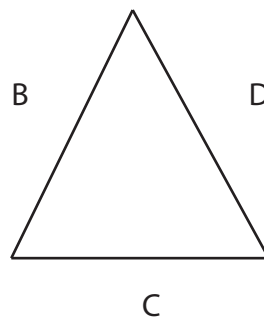
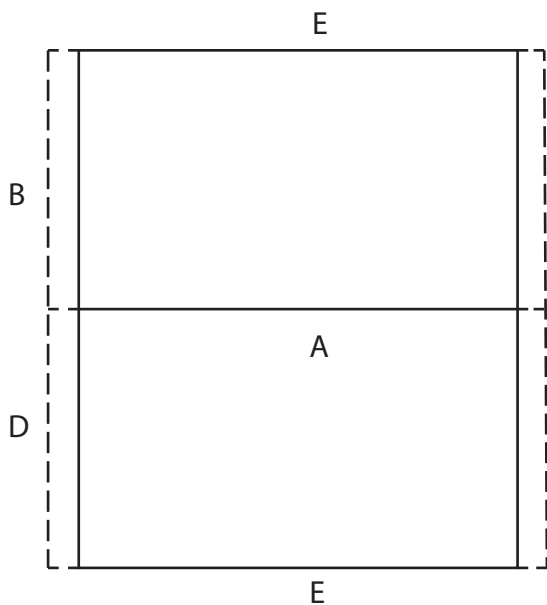
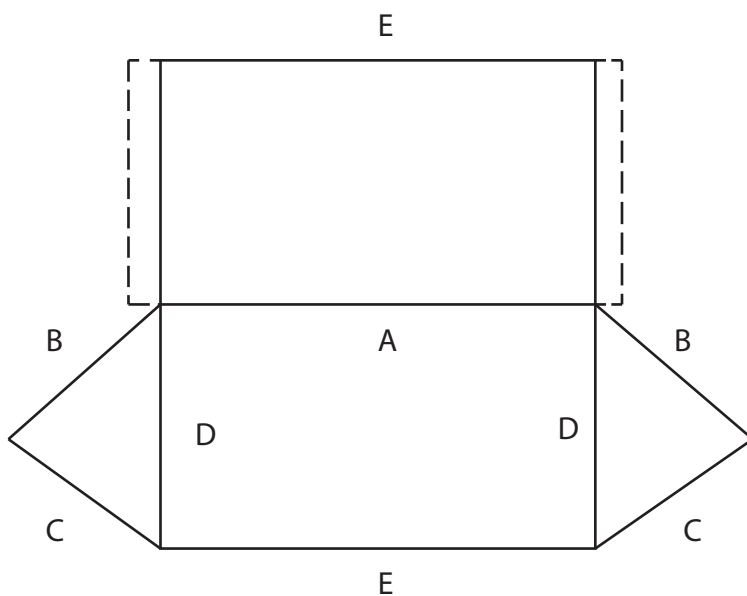
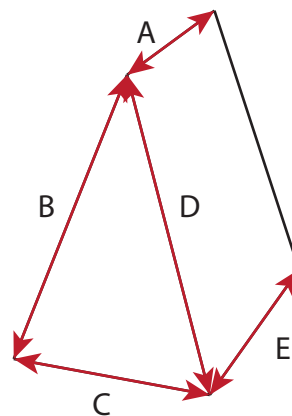
De letters zijn de door u gemeten maten van de hoes.  
De stippellijn is een lijmrand, deze 2.5cm moet  
nog bij de gemeten maten worden toegevoegd.

Om maat A toe te passen  
heb je de volgende formule nodig:  
 $O = \pi * \emptyset$



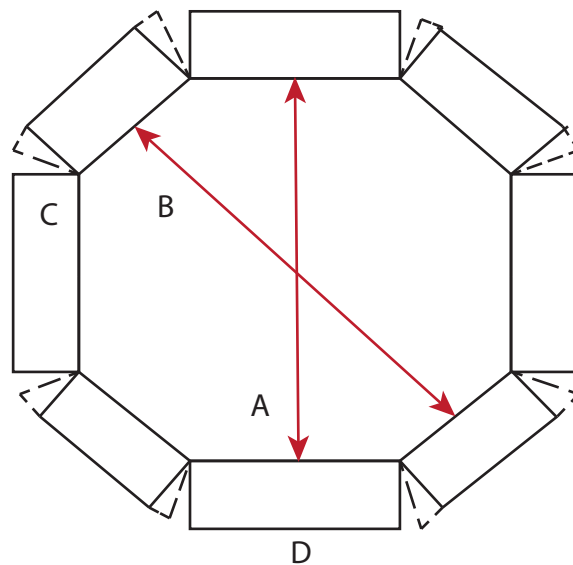
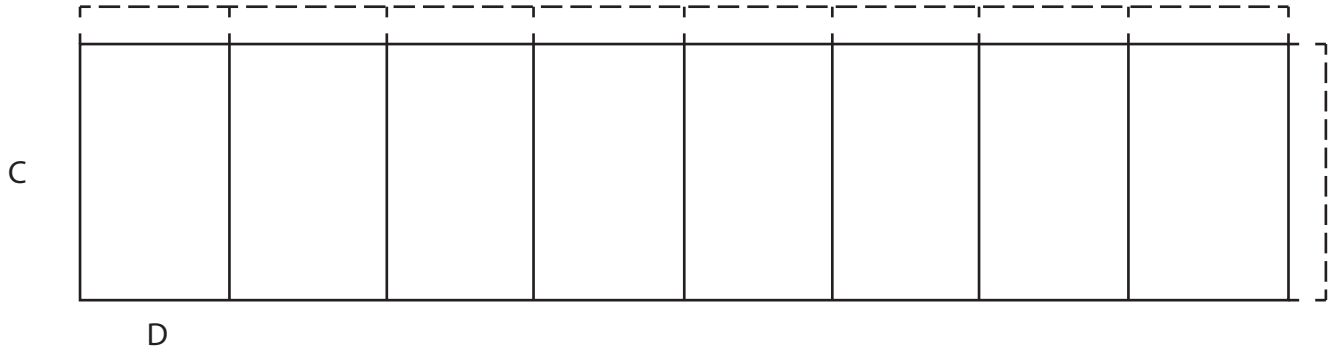
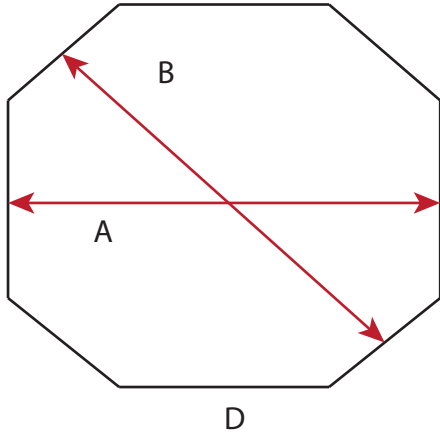
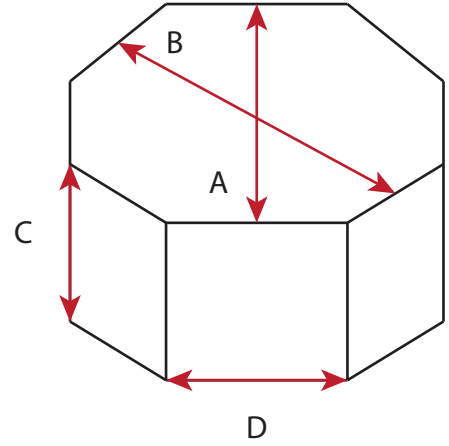
# Driehoek hoes

De letters zijn de door u gemeten maten van de hoes.  
De stippellijn is een lijmrand, deze 2.5cm moet  
nog bij de gemeten maten worden toegevoegd.



# Staande achthoek hoes

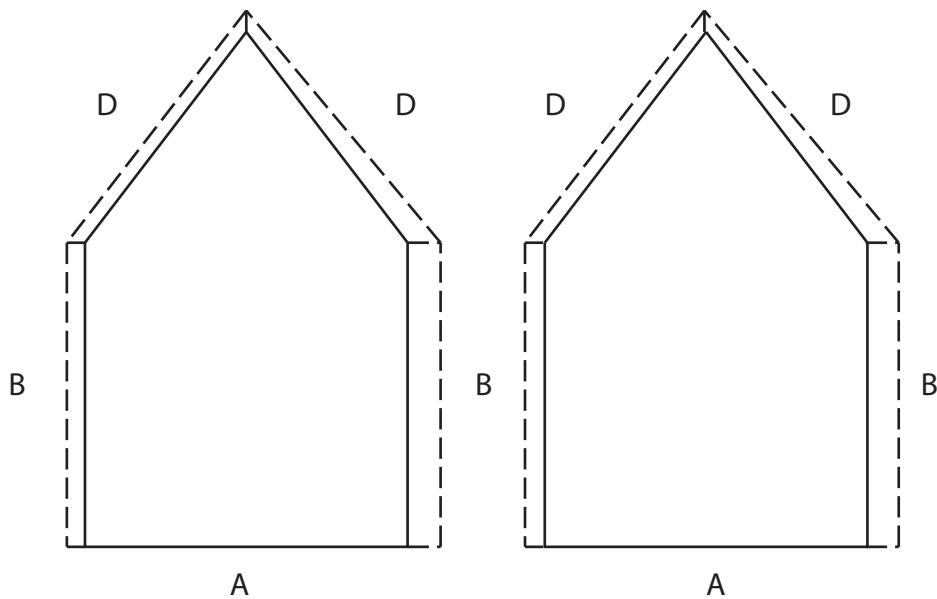
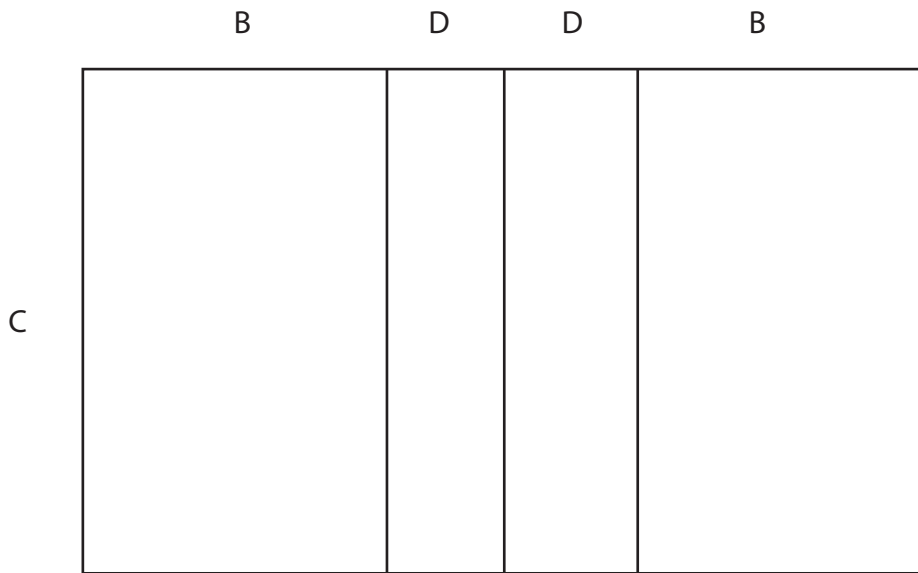
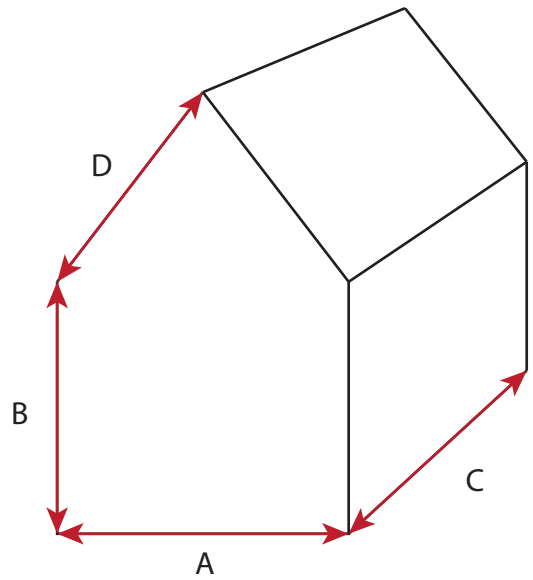
De letters zijn de door u gemeten maten van de hoes.  
De stippellijn is een lijmrand, deze 2.5cm moet nog bij de gemeten maten worden toegevoegd.





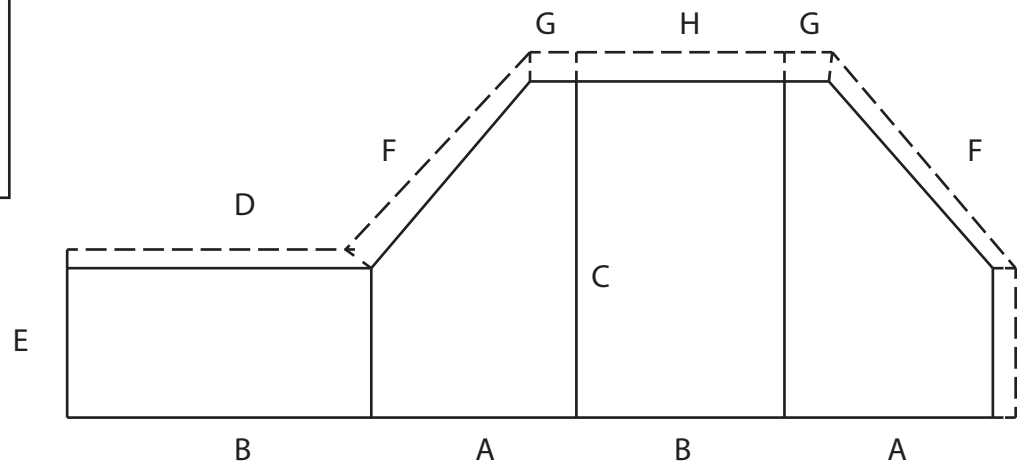
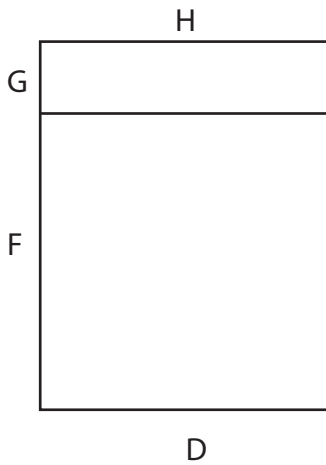
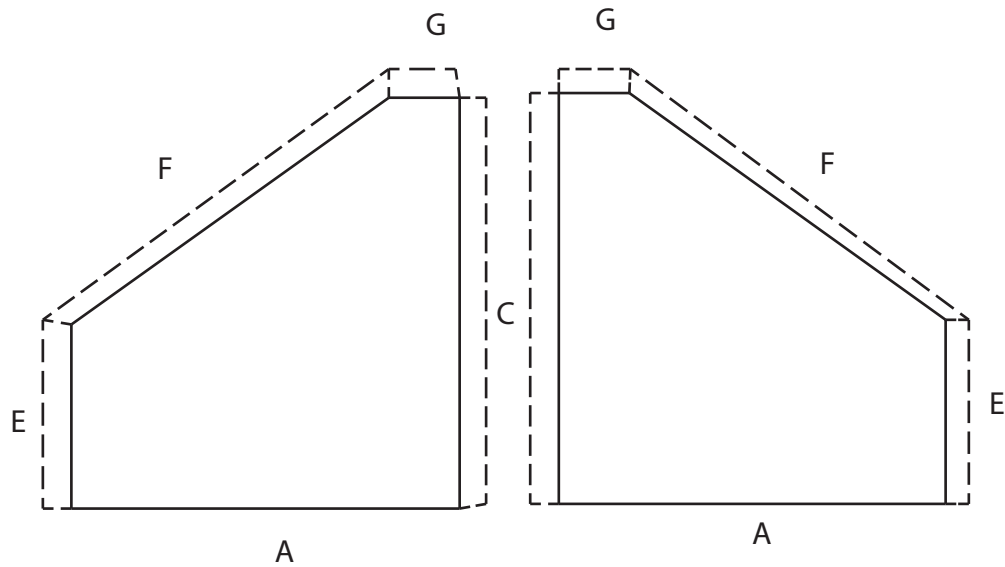
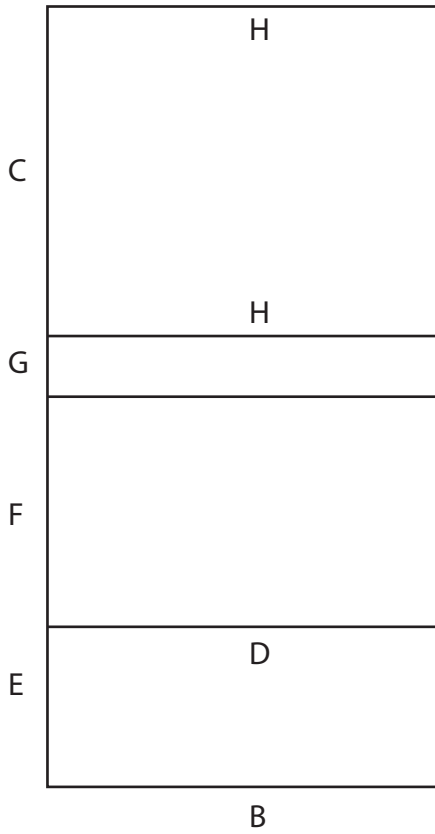
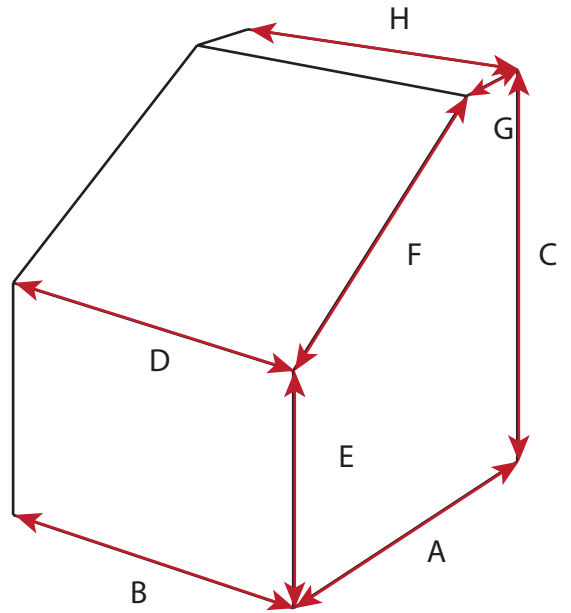
# Huisvormige hoes

De letters zijn de door u gemeten maten van de hoes.  
De stippellijn is een lijmrand, deze 2.5cm moet  
nog bij de gemeten maten worden toegevoegd.



# Afgesneden vierkant hoes

De letters zijn de door u gemeten maten van de hoes.  
De stippellijn is een lijmrand, deze 2.5cm moet nog bij de gemeten maten worden toegevoegd.



# Liggende zeshoek hoes

De letters zijn de door u gemeten maten van de hoes.

De stippellijn is een lijmrand, deze 2.5cm moet nog bij de gemeten maten worden toegevoegd.

