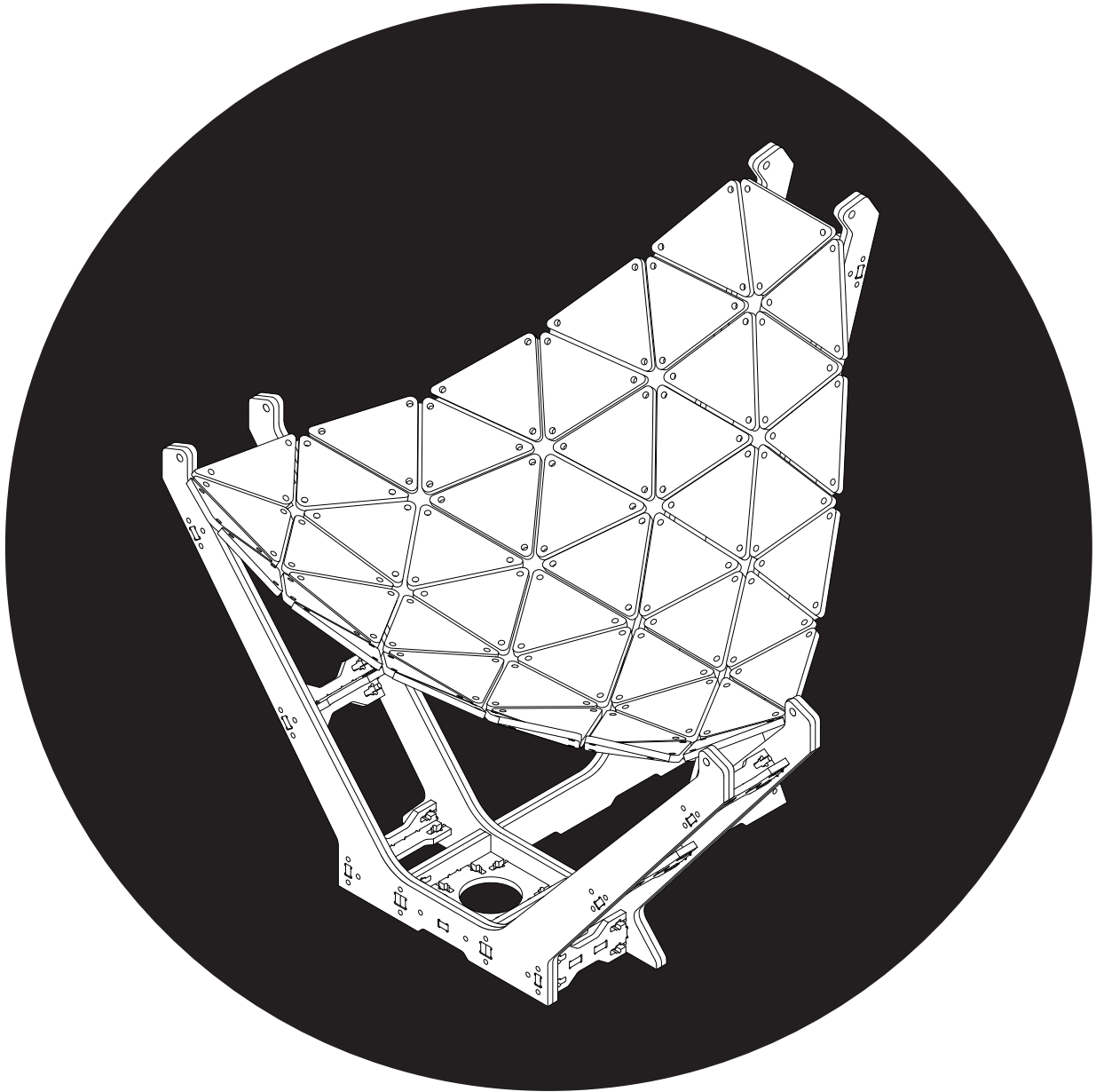


# chaiseLounge



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OPENSOURCE FURNITURE  
designed by Pietro Leoni



# Chaise Lounge

designed by **Pietro Leoni**

ChaiseLounge is one of the winning projects of Autoprogettazione 2.0 exhibited at Palazzo Clerici during the Milan Design Week 2012.

The competition, sponsored by Domus magazine, aimed to select projects suitable to be played with CNC technologies, which are typically available in FabLabs.

ChaiseLounge happened to be in fact, designed to be milled or laser-cutted from a single sheet of plywood.

Its design is the result of a combination of two basic components: a rigid and robust structure interlocked with a hanging and flexible “membrane of wood”.

To achieve this, a series of triangular elements are connected and wired with simple clamps that form a three-dimensional catenary mesh providing an unexpected ergonomomy.

The project was initially developed at FabLab Torino as open source and has been reproduced in Aalto FabLab for Helsinki World Design capital 2012.

<http://pietroleoni.com/portfolio/chaiselounge/>

# DISCLAIMER

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PLEASE KEEP IN MIND:

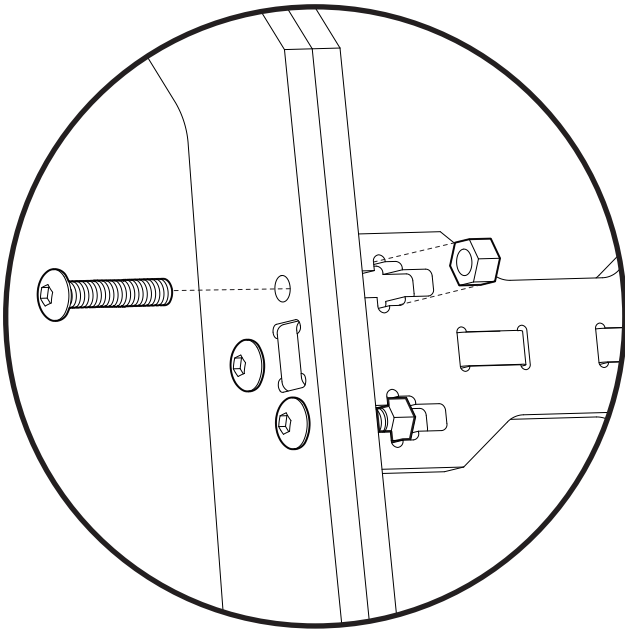
1. The quality of the wood used will have an impact on the final product. Specimens made of birch have shown good strength in previous samples.
2. Check the effective thickness of the panels available and make sure they fit within the joints.
3. Use suitable cable ties for the strength specified or higher (54 kg).
4. The ChaiseLounge design allows you to realize the uprights with machines that have a reduced work area or that are not capable of cutting high thicknesses.  
However, if possible, the best solution is always to rely on components obtained from a single panel and with the thickness needed.

**DIY means that you are solely responsible for the quality and safety of the sample product. So, please be careful!**

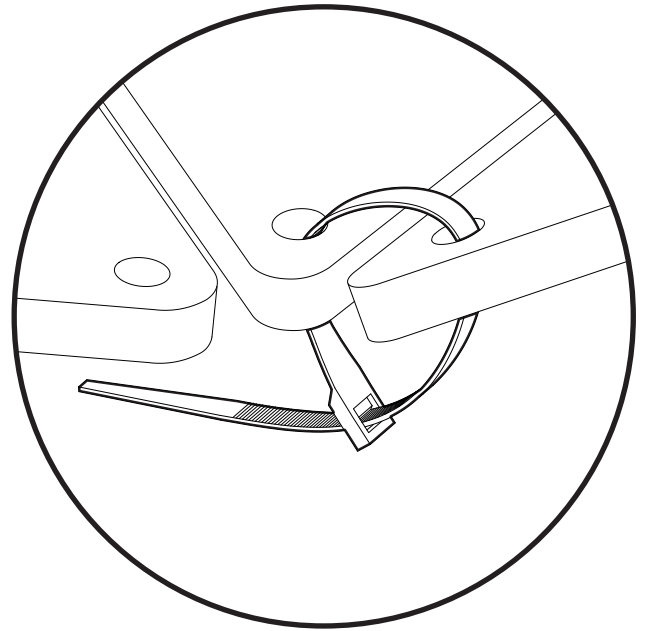
Thank you for your contribution to the self-produced design of ChaiseLounge.

# CONNECTIONS AND COMPONENTS

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The upright connections use T-joints in order to facilitate their assemble and disassemble.



The wood mesh triangles are joint with cable ties, placing the tooth on the back.

## #PARTS LIST

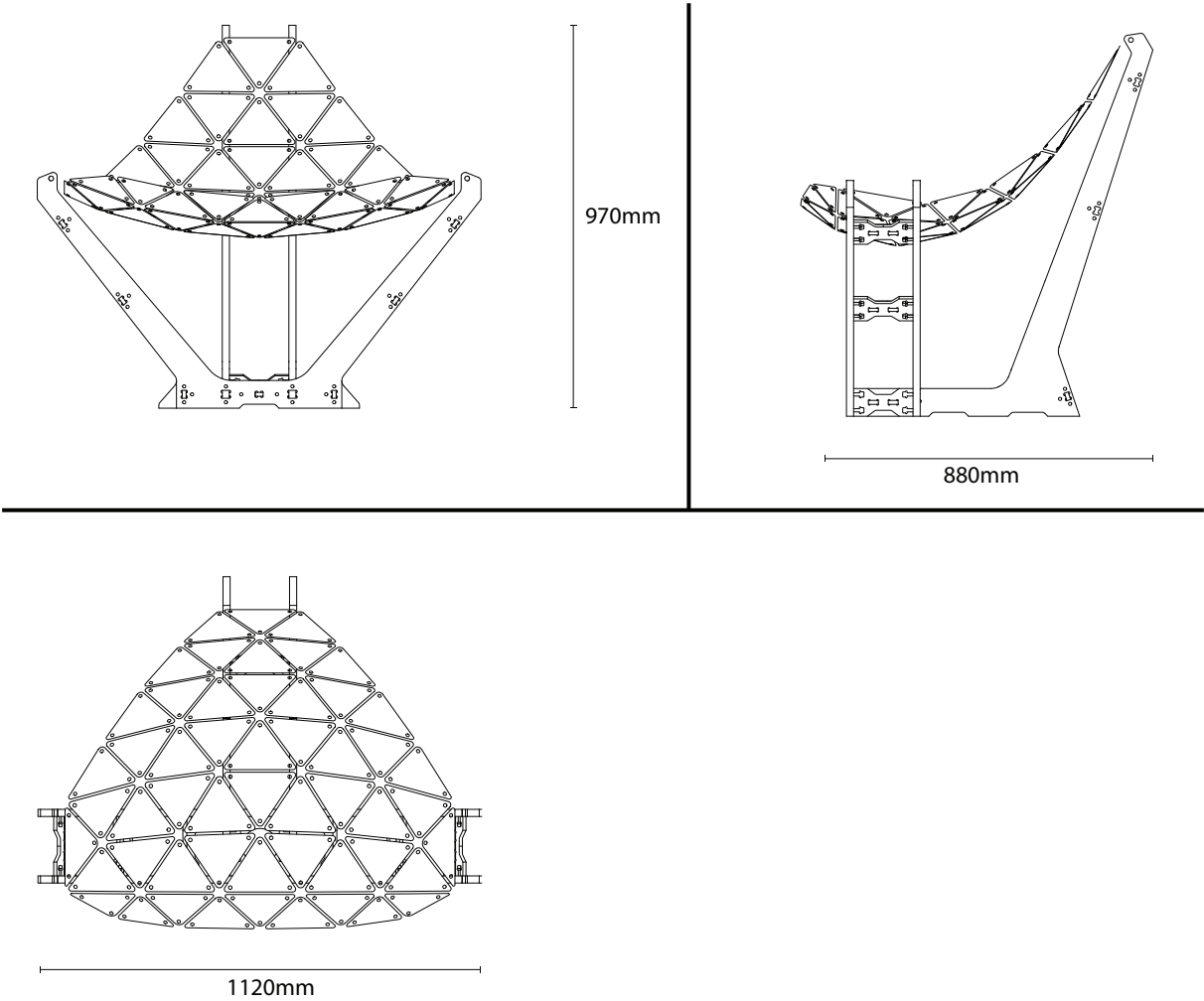
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#1 Heavy duty cable tie 8 mm, 54 kg (x165)

#2 M8 screw, 40mm (x29)

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# DIMENSIONS



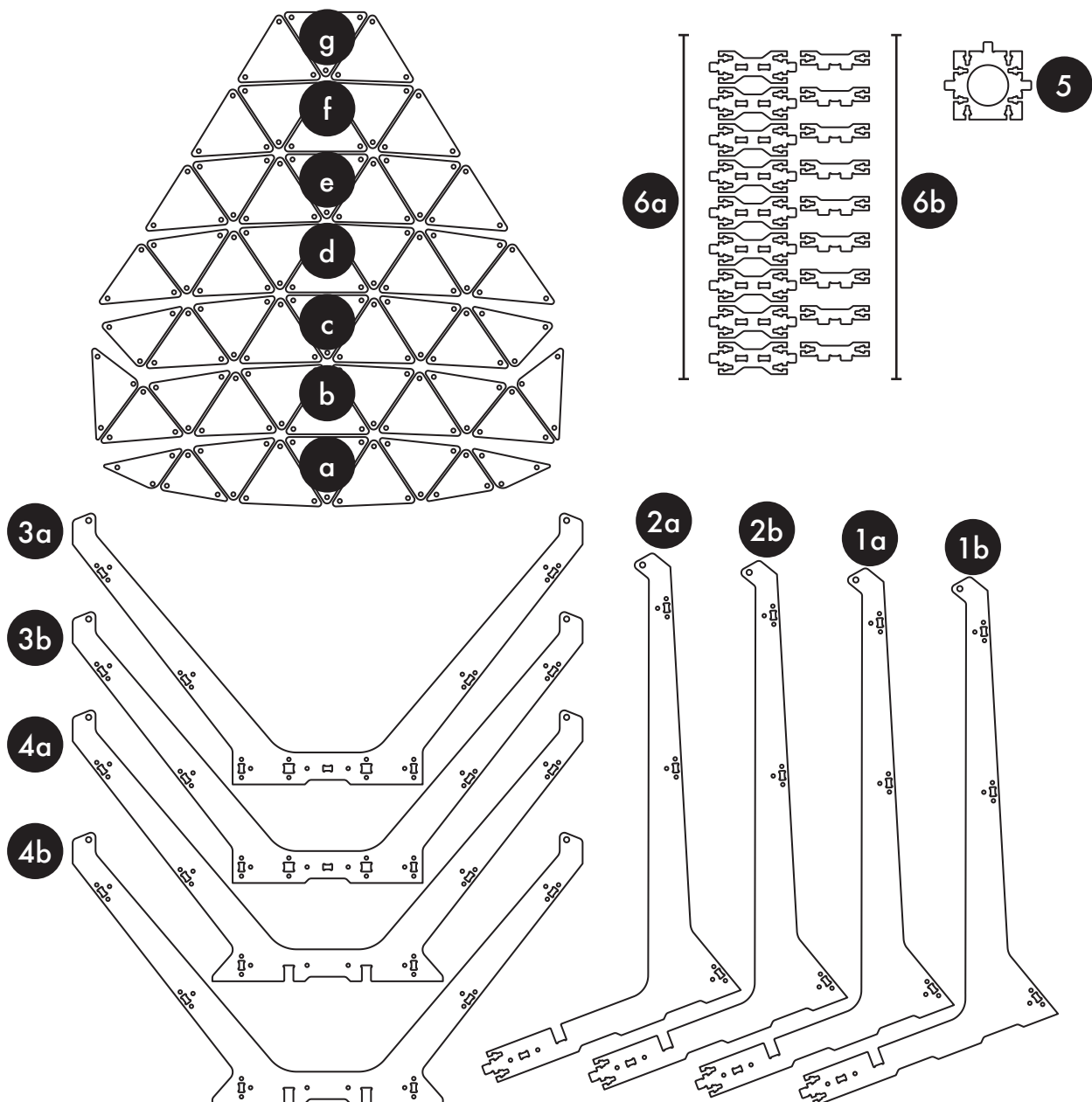
# PART LIST

Material thickness for laser-cut or milled components: 9-10 mm.

Components 1, 2, 3, 4 can be cutted each in two parts of 9-10mm (thickness) and then fixed together (better if glued).

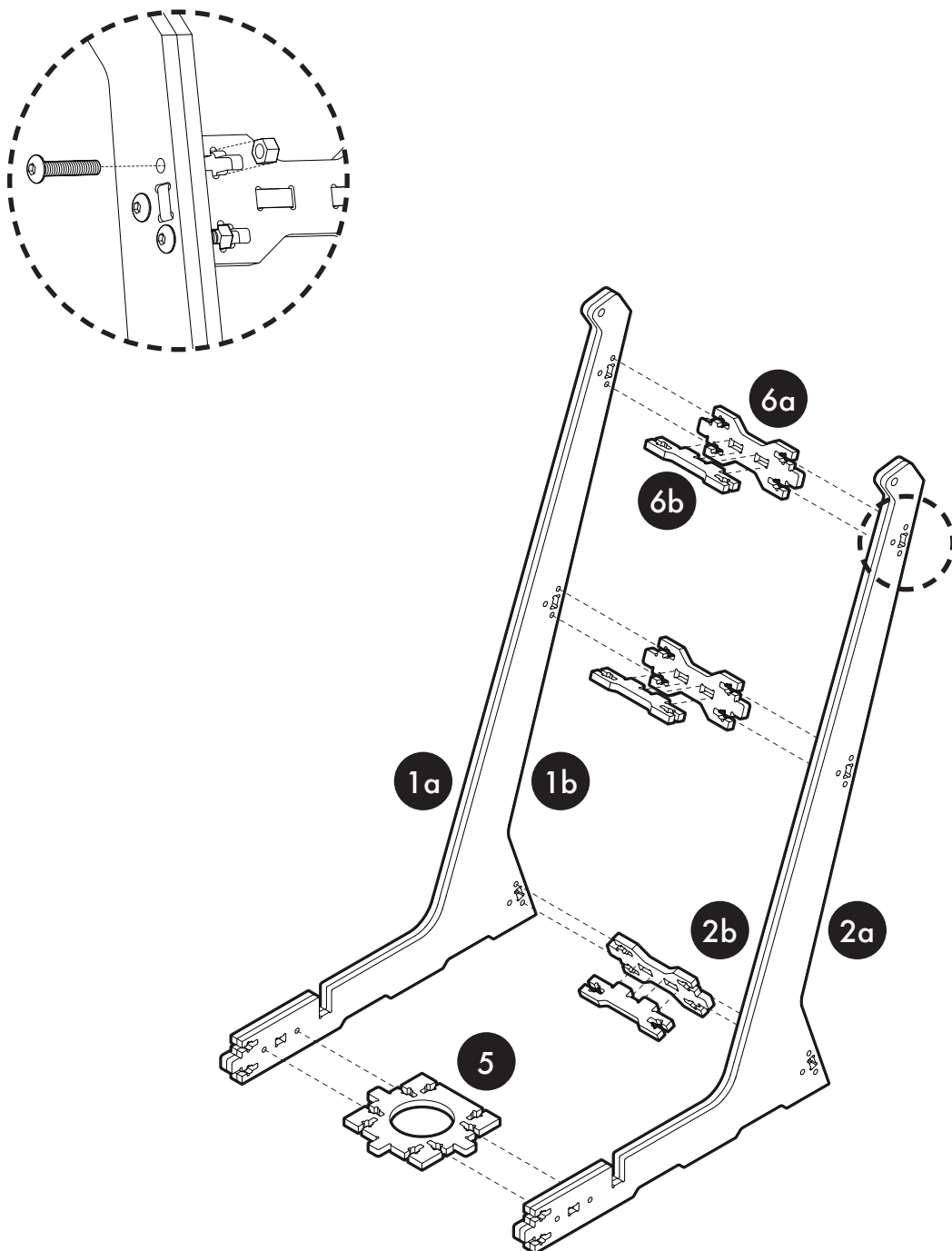
However, depending on the nesting, it would be convenient to properly realize them as individual components of 18-20mm thick.

In case that the work plan of your machine would be plan too small (not more than 60x90 cm), are available further divided cutting planes for the up rights.



# ASSEMBLY

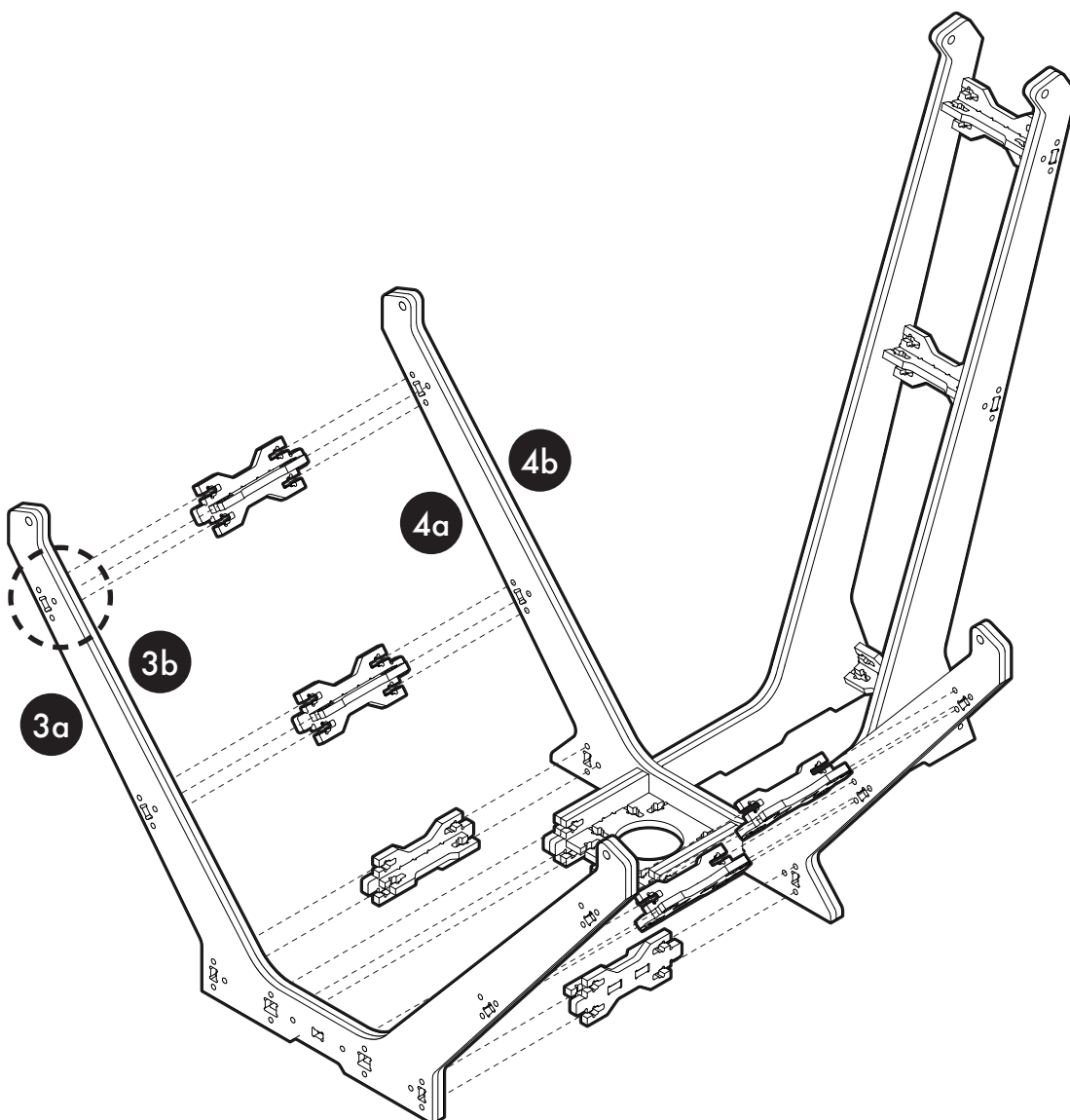
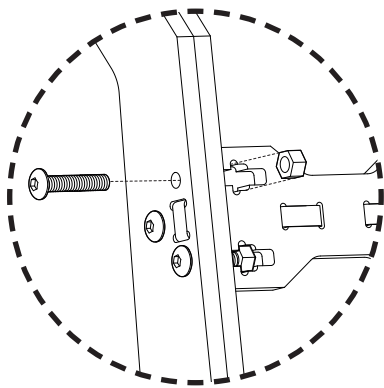
Connection with M8 screws.



# ASSEMBLY

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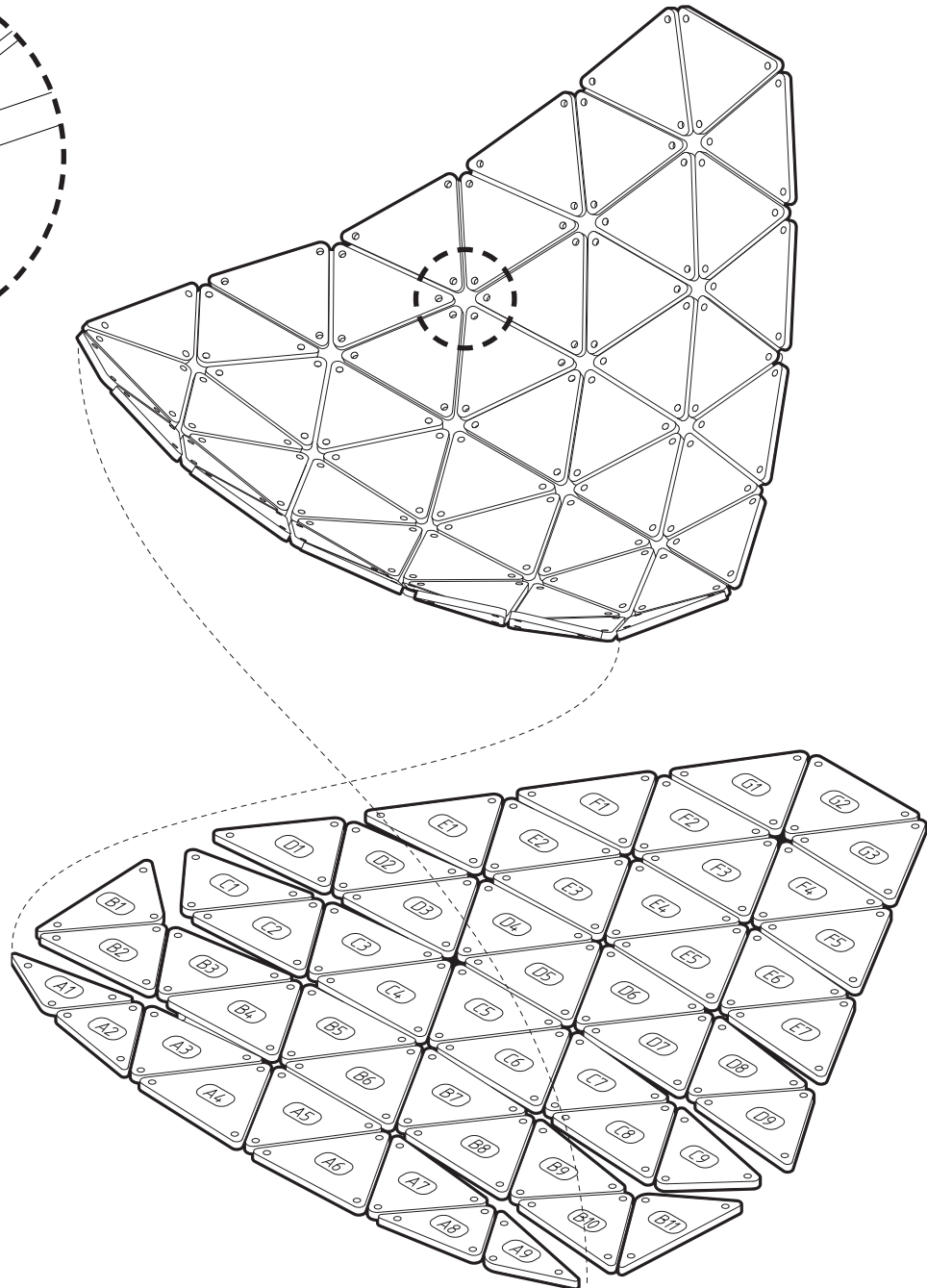
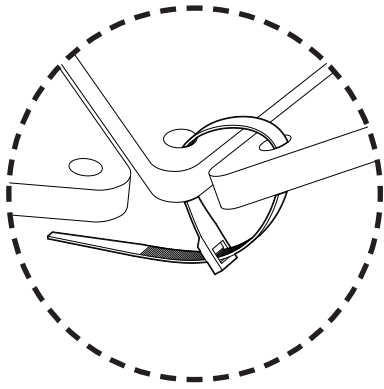
Connection with M8 screws.





# ASSEMBLY

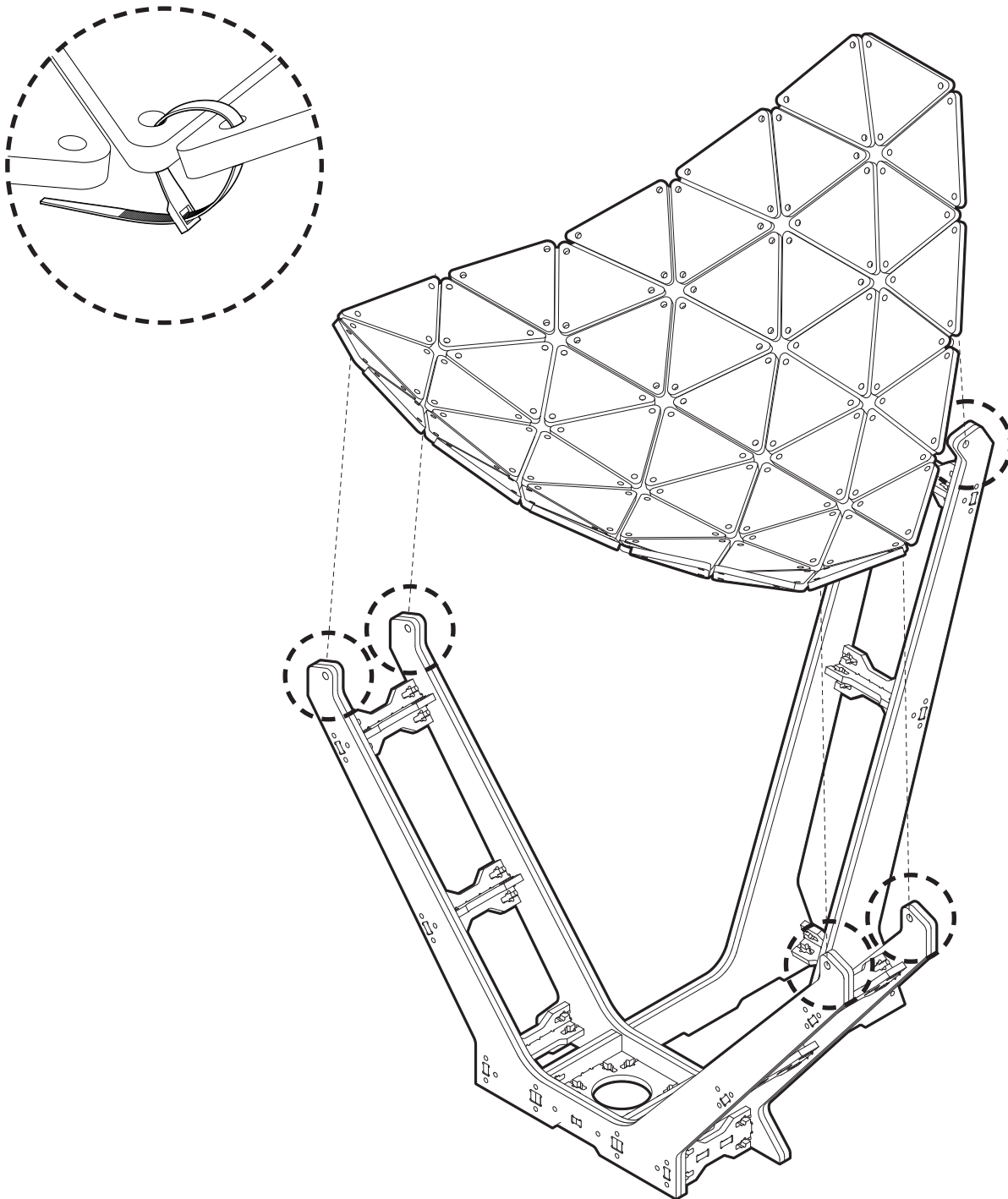
Connection with cable ties.



# ASSEMBLY

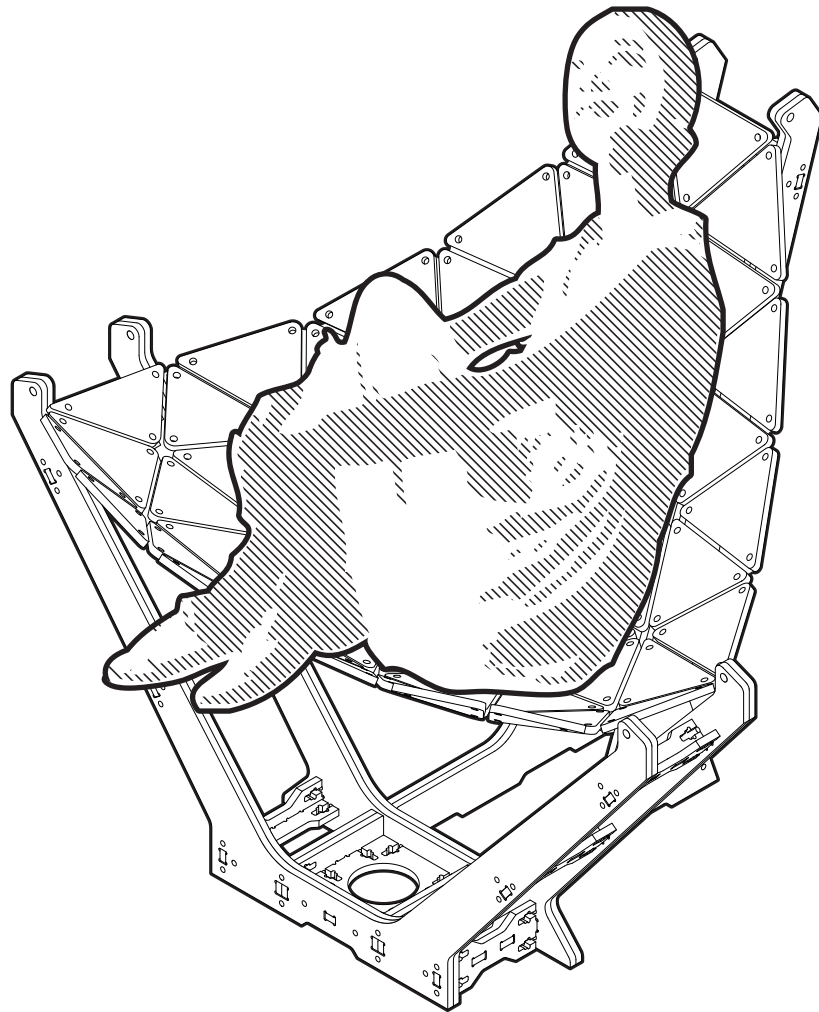
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Connection with cable ties.



# SITTING

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# PUBLICATIONS

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**Loredana Mascheroni, Autoprogettazione 2.0 Design Communities, Domus 959, June 2012, p. 77**

<http://www.domusweb.it/en/news/2012/06/11/domus-959-in-newsstands-now.html>

**Domusweb | 2012/06/13 | Design Communities**

<http://www.domusweb.it/en/news/2012/06/13/design-communities.html>

**Domusweb | 2012/04/15 | Best of the Week**

<http://www.domusweb.it/en/news/2012/04/15/best-of-the-week.html>

**Domusweb | 2012/04/11 | Autoprogettazione 2.0 on display**

<http://www.domusweb.it/en/news/2012/04/11/autoprogettazione-2-0-on-display.html>

**Designoteca | 2012/07/16**

<http://site.designoteca.com/2012/07/16/6-open-designs-para-fablabs/>

**Mixdesign | 2012/06/13**

[http://www.mixdesign.it/autoprogettazione-2-0\\_focus\\_x\\_4307.html](http://www.mixdesign.it/autoprogettazione-2-0_focus_x_4307.html)

**AaltoFablab | 2012/09**

<http://www.flickr.com/photos/aaltofablab/archives/date-posted/2012/09/03/>

**Mmodulus | 2013/10/27**

<http://mmodulus.tumblr.com/post/64959692288/chaise-lounge-by-pietro-leoni-chaise-longe-es-un>

**Setsudo | 2013/10/29**

<http://setsudo.tumblr.com/post/65432740802/mmodulus-chaise-lounge-by-pietro-leoni>

**Monolithos | 2013/10/28**

<http://monolithos.tumblr.com/post/65392961258/mmodulus-chaise-lounge-by-pietro-leoni>

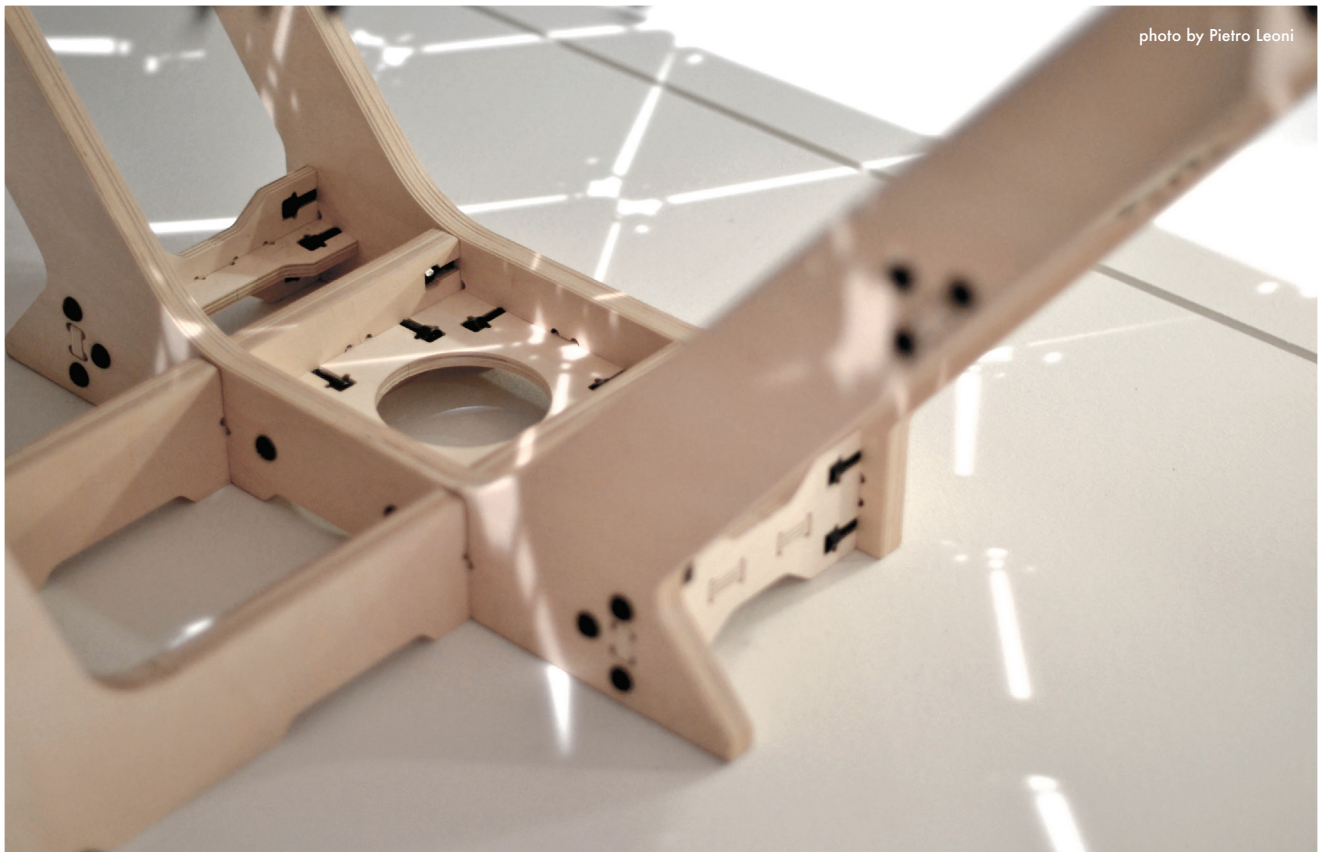
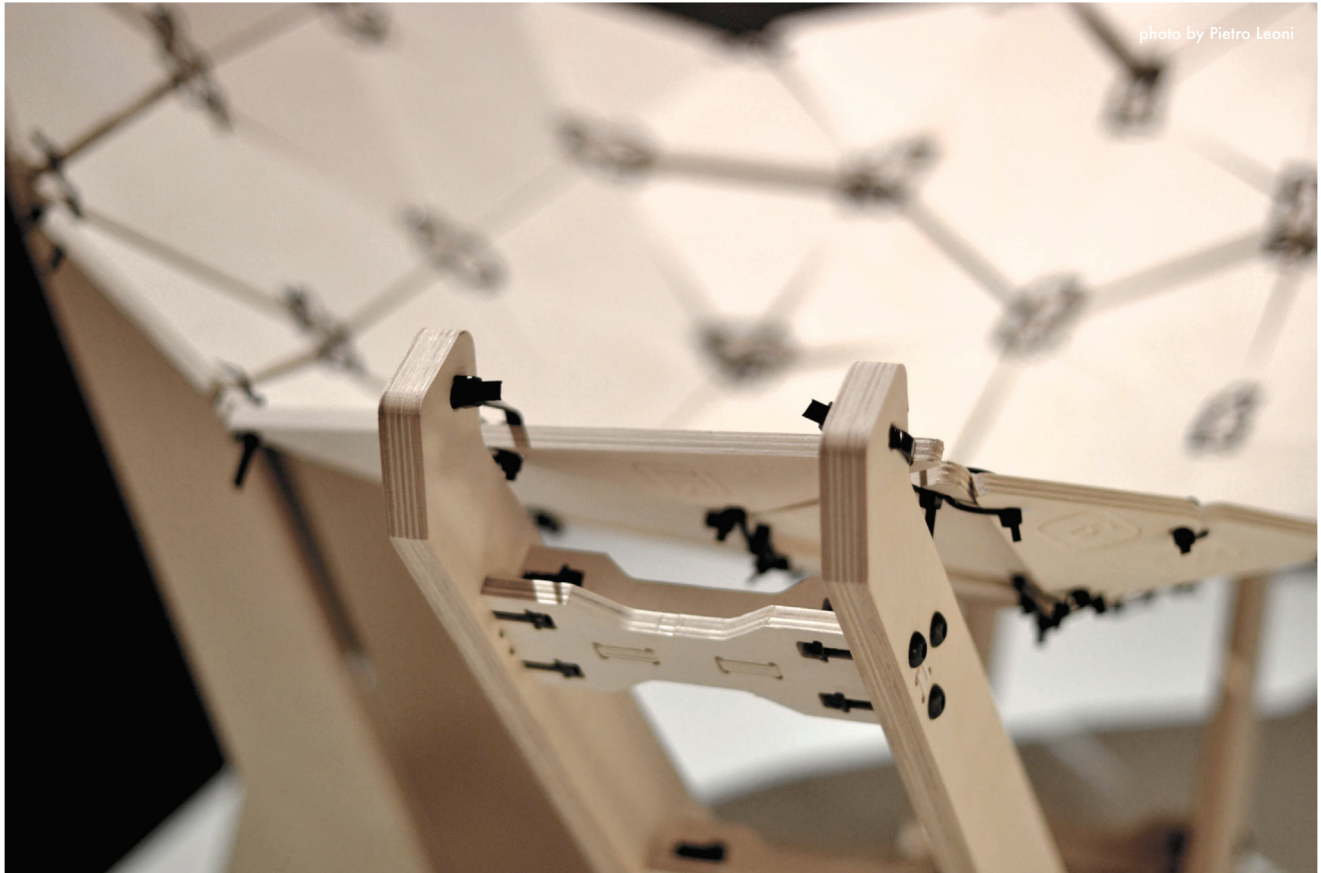
# IMAGES





# IMAGES

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# IMAGES

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photo by Pietro Leoni

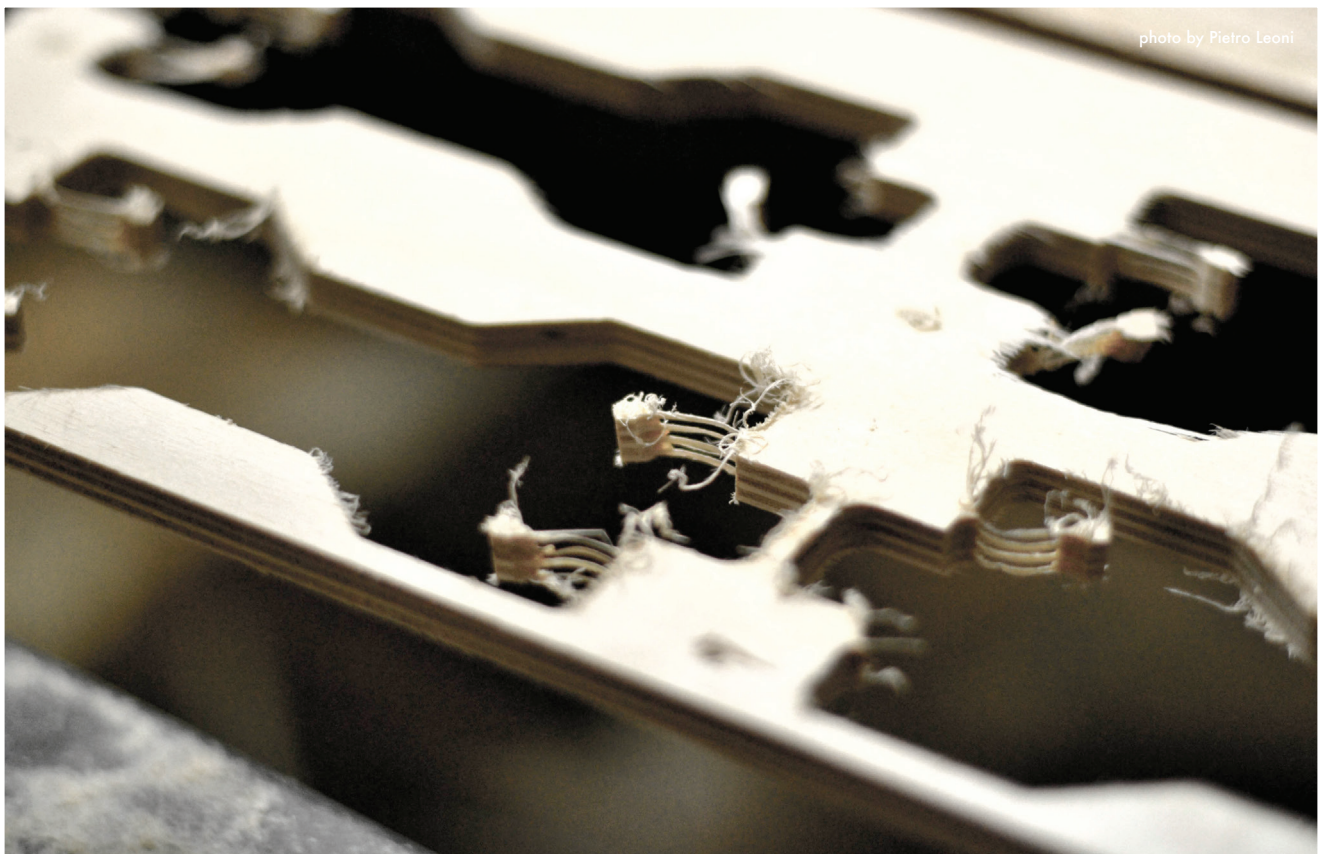


photo by Pietro Leoni

**[pietroleoni.com/chaiseLounge](http://pietroleoni.com/chaiseLounge)**