Ronen Kadushin Design

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Dear Open Design user,

Thanks for downloading the Hack chair design files.
This document contains Production instructions of a Hack chair, mixed with some words about Open Design.

Hack is my first Open Design chair, later developed into the Recent Uploads chair collection.
There are many possible aesthetic and structural variations to this bending method , but I got such a warm response from the hacker community because of my Open Design work, I chose a literally "hacked" look for it.

Production instructions

In order to produce this chair you need to be somewhat proficient with handling DXF files, have some knowledge of laser cut part production, have two good hands and a creative and experiment loving personality.
If you have all these, there’s a good chance you are an industrial designer or design student, if not, welcome aboard.

Please note that you can use this design as many times you like, change it, send it to others, and express through it any personal point of view and creativity, as long as you follow the Creative Commons licence (http://creativecommons.org/licenses/by-nc-sa/3.0/). Open Design suggests a way any designer can design and industrially produce objects on a global scale in an unbiased creative environment. Your cooperation will be much valued.

The Hack chair is ready for laser cutting. The curves are all arcs, with no hidden lines or layers. Use 6mm aluminum (I used Al Mg3, the softer variant- W19, see material list at http://www.gemmelmetalle.de/pdf/Aluminium/42_49.pdf page 47). Send the DXF file to your friendly laser cutter and they can take it from there.
I would ask you to follow the instructions carefully and hope for the best. I think that bending and then bending back to flat may break the piece, so be careful. The outcome is stable and even sort of comfortable with the flexible back.
I would like you to write me about your experience with this product and read your suggestions. In case you made modifications or found nice applications to it, I would be curious to see them.

Please be creative.
Thanks again,

Ronen Kadushin
Designer

CAD file of the Hack chair, as downloaded from my site.
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Hack chair prototype aluminum cut out.

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Bending sequence.

Use gloves.

About a 120 Deg. bend

Bend back to allow the seat space to bend.

Bend seat to middle of back gap.

Then bend back 5 Deg.

When bent correctly, front and back are parallel.

Press

Click lock

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