



Ground Chair 500

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Summary

This is modification to Decathlon MH500 low camping chair. "DECATHLON MH500 LOW CHAIR" is low cost 35EUR...

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This is modification to Decathlon MH500 low camping chair.

"DECATHLON MH500 LOW CHAIR"

- is low cost 35EUR camping/hiking chair from decathlon.
- weight as bought 1102g
- product concept = light aluminum tube frame + hanging fabric sitting surface.

"GROUND CHAIR 500"

- is modification of Decathlon MH500
- New corners are 3D printed.
- Tubes are re-assembled into different configuration.
- The same fabric is reused.

(inspired by "helinox ground chair" concept, which is ~120EUR camping chair).

Ground Chair 500 is improved over Decathlon:

- weight 0.89kg vs 1.1kg
- lower position - can sit even inside tent
- no pointy legs - can place on tent floor or loose sand
- works comfortably on slope (even better than on flat)

Print Settings

Supports:

No

Filament:

generic PETG,PLA

Notes:

There are 4 STLs to print - one for each corner. (FR = front right...).

Printed in PLA and PETG, at 0.3mm layer, using 4 perimeters (2mm wall) and 20% infill.

Set of 4 corners weight around 140g.

I found this pipe layout, sleeve depth, corner size optimal for myself.

Both in PLA and PETG was sufficient for holding my weight and not breaking during normal use.

I have not done durability test (repetive stress may cause failure).

I have not done impact test (banging on stone may break corner).

Or tested how much abuse they can withstand (like jumping or testing strenght upside down).

Category: Sport & Outdoors

Model files



ground500_bl.stl



ground500_fr.stl



ground500_fl.stl



ground500.scad



ground500_br.stl

[Find source .stl files on Thingiverse.com](#)

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