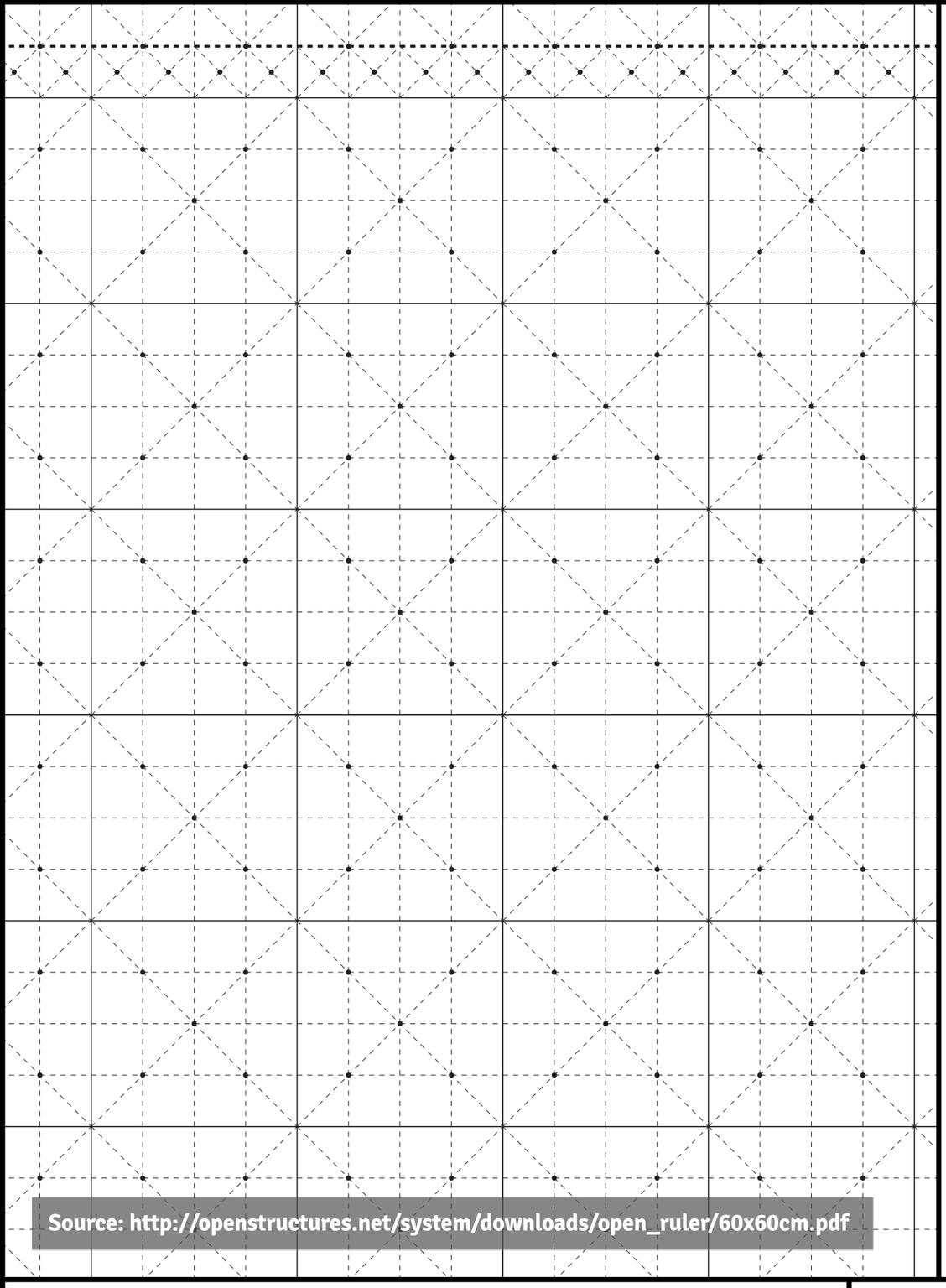


Source: http://openstructures.net/system/downloads/open_ruler/60x60cm.pdf

How to use the grid?

The OS grid can be applied in 3 different ways: (scroll down for more info)

- by choosing the **dimensions** for your parts or components according to the OS grid
- by positioning **assembly points** on your parts or components according to the OS grid
- by choosing **interconnecting diameters** for your parts or components that are derived from the OS grid

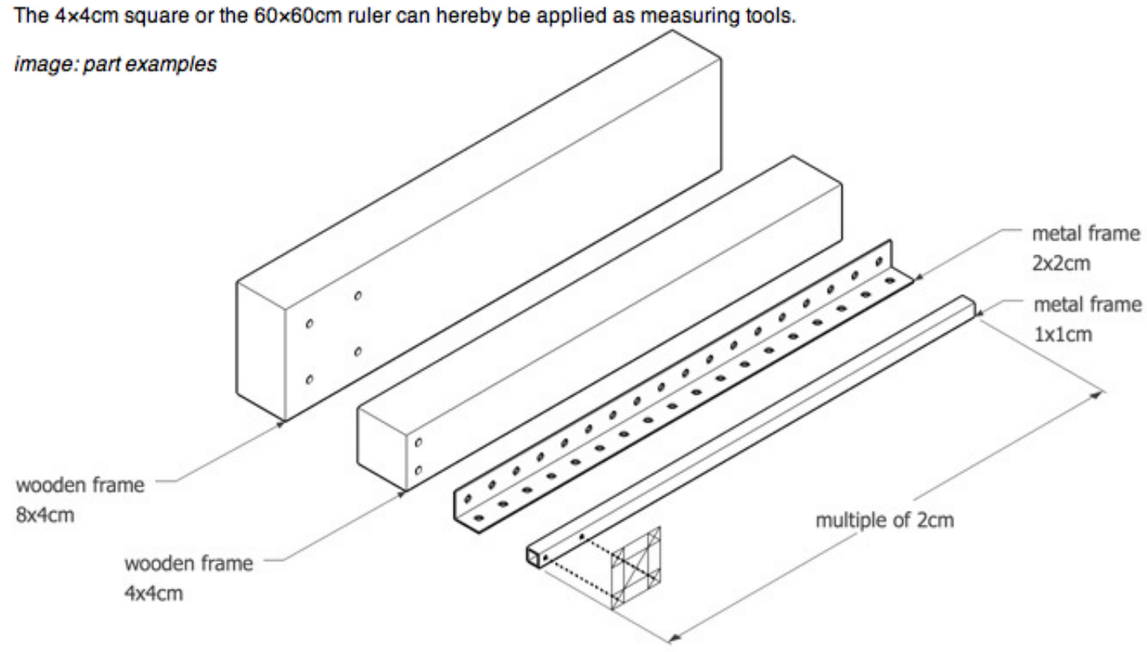
In order for a part to be OS compatible at least one of these three conditions should be fulfilled.
Several combinations (eg. applying both the OS dimensions AND the OS the assembly pattern to a part) are off course also possible but not obligatory. (see **part samples**)

A. Choosing dimensions according to the OS grid

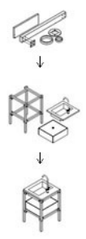
If you choose to apply the OS grid for the dimensions of a part, at least one of the measurements of this part (length, wideness and thickness or height) should correspond to either 0,125cm / 0,25cm / 0,5cm / 1cm / 2cm and multiples of 2cm in order to be compatible with other parts. (see part examples)

The 4×4cm square or the 60×60cm ruler can hereby be applied as measuring tools.

image: part examples



Source: http://openstructures.net/pages/9



Home. About. How-to manual. Blog. Upload / edit parts. Contact.

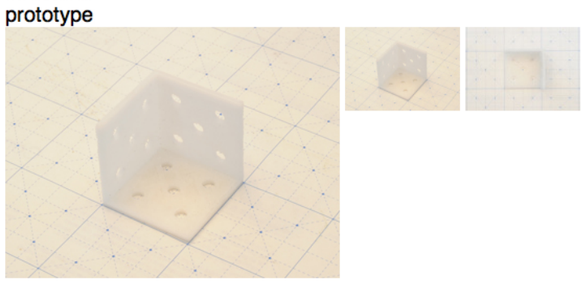
The Parts Database
enables you to upload and edit
or rate and trade modular parts.

Browse / upload / edit

Component specifications

demo piece 2
structural
prototype

contact the designer



★☆☆☆☆ Rate this...
ratings: 7

Short description
3D printed demo piece

Part type
structural

Materials
plastic

length
40 mm

width
40 mm

height
40 mm

Designer
dries Verbruggen

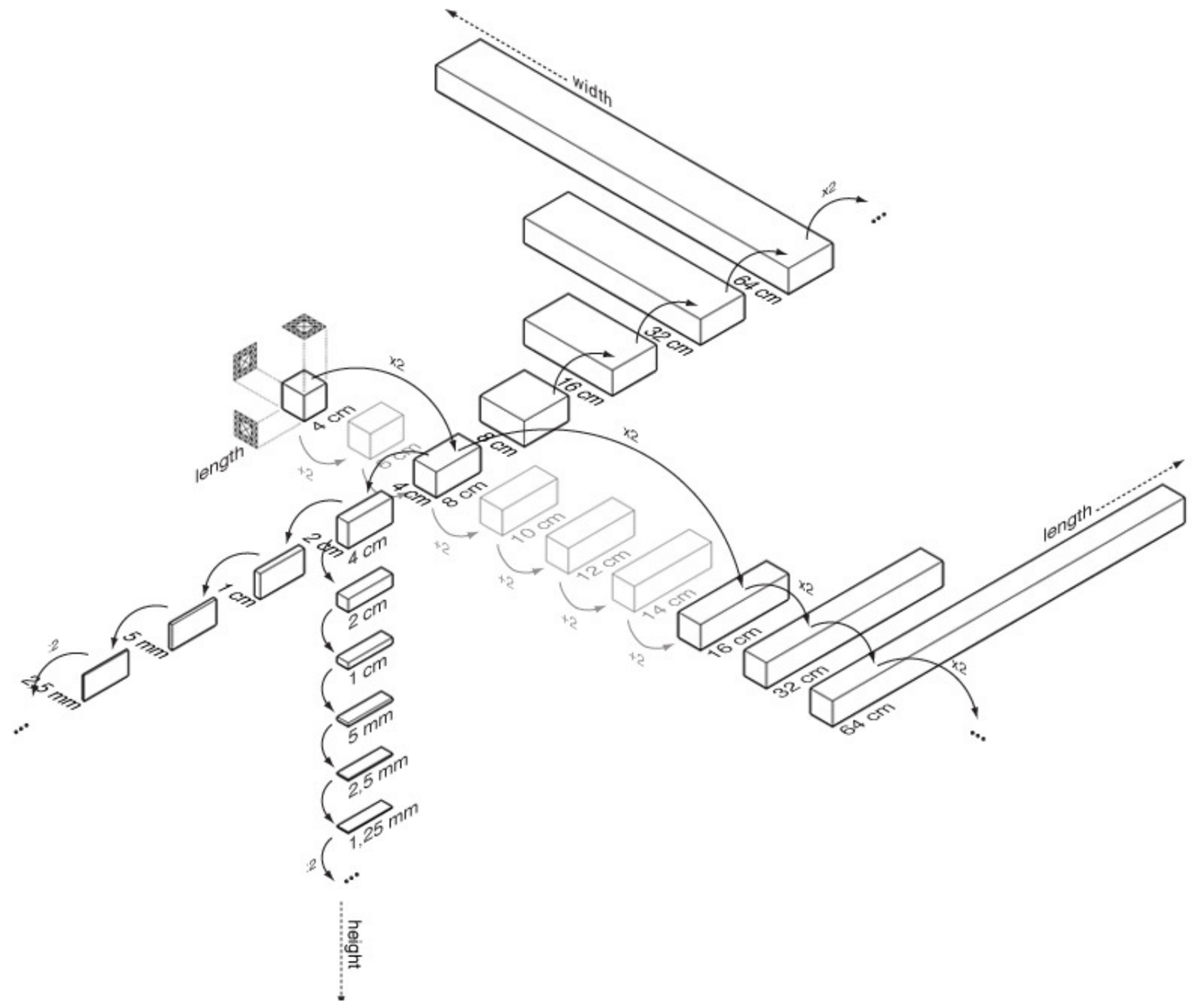
Owner
thomas

Copyright
creative commons / attribution

CC BY

Source: http://www.openstructures.net/pages/44/parts/71

image: length, width, height sequence for parts based on the 4×4cm square



Source: http://openstructures.net/pages/9

OPENSTRUCTURES
http://www.openstructures.net/

The OpenStructures (OS) project initiates a construction system where everyone designs for everyone. It is an ongoing experiment that wants to find out what happens if people design objects according to a shared modular grid, a common open standard that stimulates the exchange of parts, components, experiences and ideas and aspires to build things together.
The ultimate goal is to initiate a universal, collaborative puzzle that allows the broadest range of people – from craftsmen to multinationals – to design, build and exchange the broadest range of modular components, resulting in a more flexible and scalable built environment.

Go to the Project page

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Go to the source code of this poster