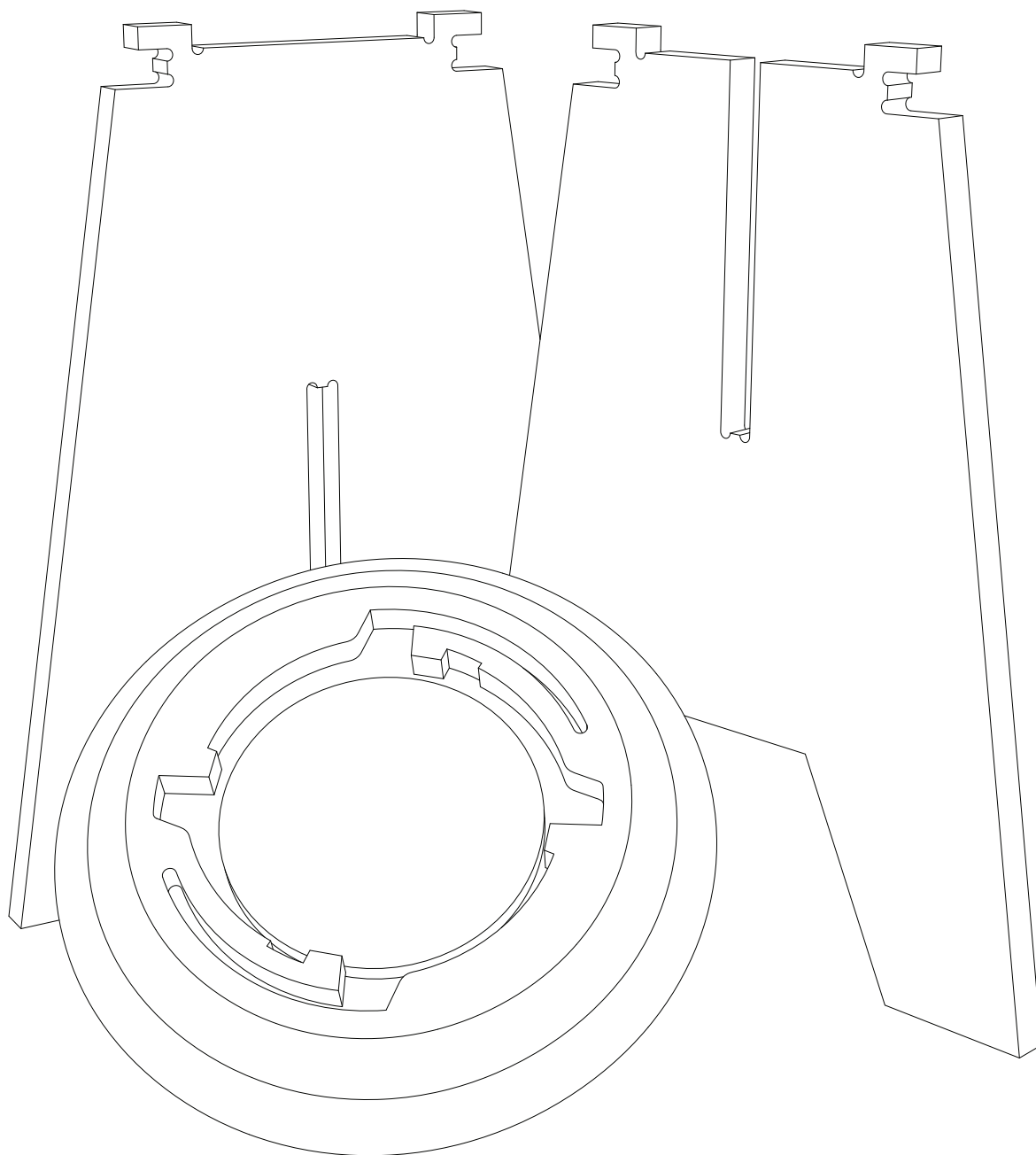


46cm Twistab Original - Manual



BRIEF

Expands with Iterations

TWISTAB is a versatile flatpack designed for stools and tables, which allows easy manufacturing using CNC milling capabilities in your locally area. Users and developers have full freedom to tweak the design of the legs and the shape of the seat. The Twistab files assures the functionality of the “twist-lock system” and we strongly suggest that the locking mechanism not to be changed unless you know what you are doing!

Locally Made

We encourage users and developpers to improve our TWISTAB design by creating their own personalized designs and apreciate users to upload their process and/or final product on Twistab’s [Facebook page](#) ; [Insagram](#) and/or [twitter](#) with #twistab @twistab_bcn



Advice for Commercial Makers

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FILE + CNC MILLING



Rhinoceros 3d is a software, which has been used to generate this 3D model. Here you can play and tinker with the original design.



This file contains the cutting strategies to load into your CAM software. Please look at the layers which describes the order and what tool paths to use.

CNC MILLING

A CNC router is a computer-controlled milling machine. They are often used to manufacture custom cabinetry and are available in most metropolitan areas.

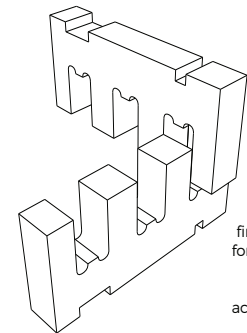
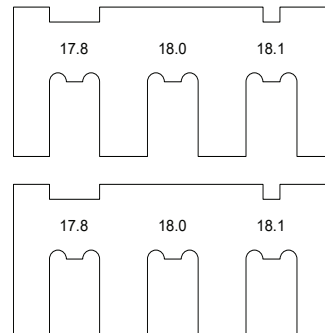
* The Twistab files have been designed to be cut using 18mm (0.71 inch) thick plywood board.

TEST FILE

The file is provided with a test file which needs to be placed in an empty area on your material and tested for the best fit of the slots for your material.

According to the best fit you find for your material, YOU WOULD NEED TO SCALE the entire design to that best fit slot size.

* In these design every millimeter counts.



find the best fit for your material and scale the entire design according to the best fit found.

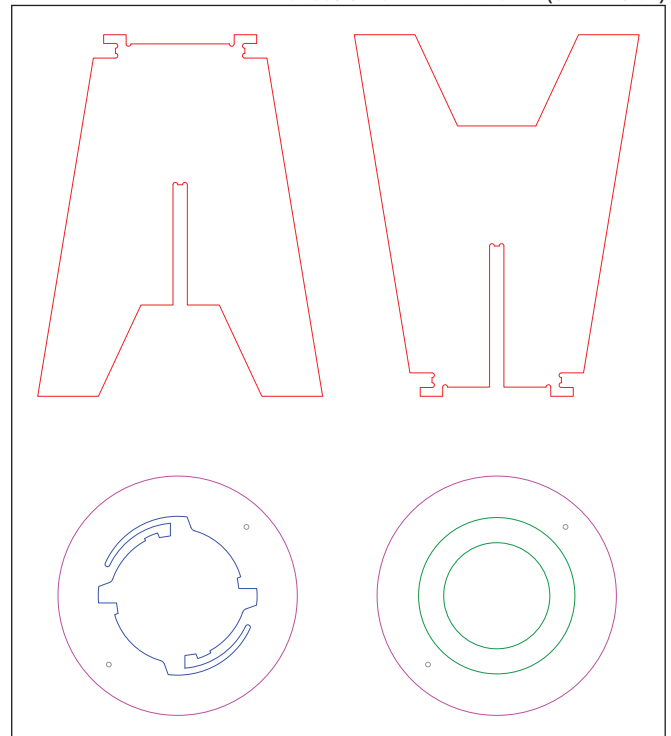
CUT STRATEGIES

This drawing shows the Cut Strategies that a machine operator will need to use with their own CAM (Computer Aided Manufacture) software.

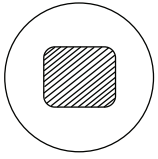
Below image: To help in the creation of the machine tool paths we have split the strategies into colour coded layers and named them according to the strategy required.

S..	Name	Color
0		white
1	1_Drill Peg Holes (7 mm)	8
2	2_Pocket (11.5 mm)	96
3	3_Profile Cut INSIDE (19 mm)	blue
4	4_Profile Cut OUTSIDE (19 mm)	red
5	5_Profile Cut _ Vmill (19 mm)	magenta

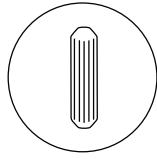
size: 34cm x 100cm (34" x 39")



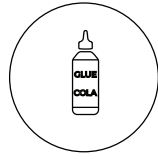
ASSEMBLY



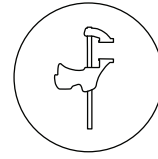
Sand-Paper
for finishing.



2cm long
wooden pegs



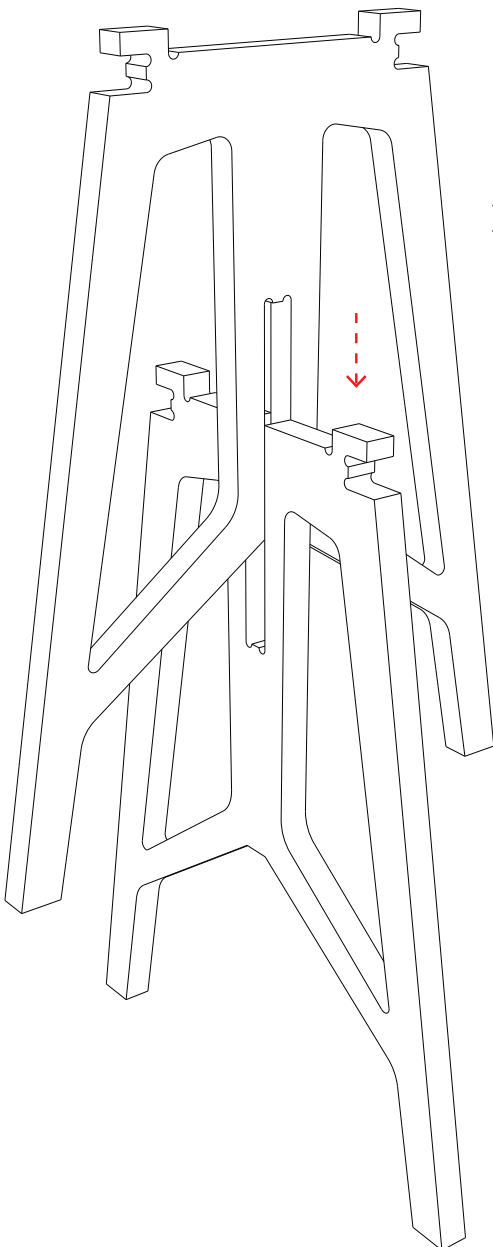
Glue



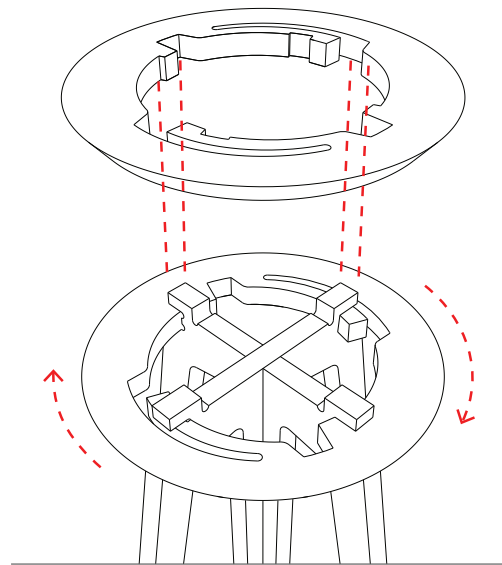
Clamp to hold
the seat pieces
together



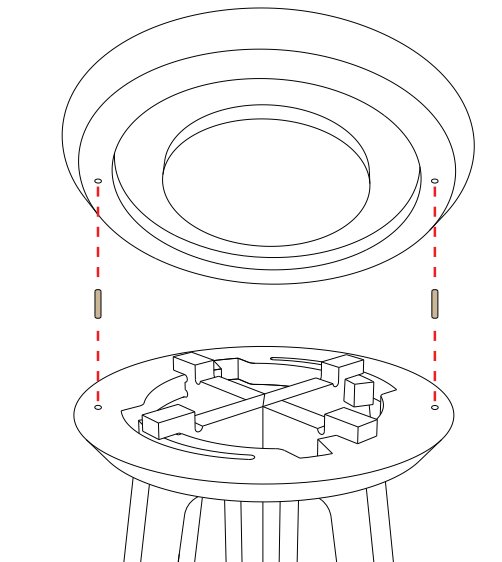
Varnish or Paint
of your Choice.



Slot the legs
together into
position.



Align the
'twist-lock'
mechanism into
place & rotate it
clock-wise till it
locks.



Insert the pegs
in the holes
and glue the
2-pieces of the
seat together,
with the help of
a clamp.

