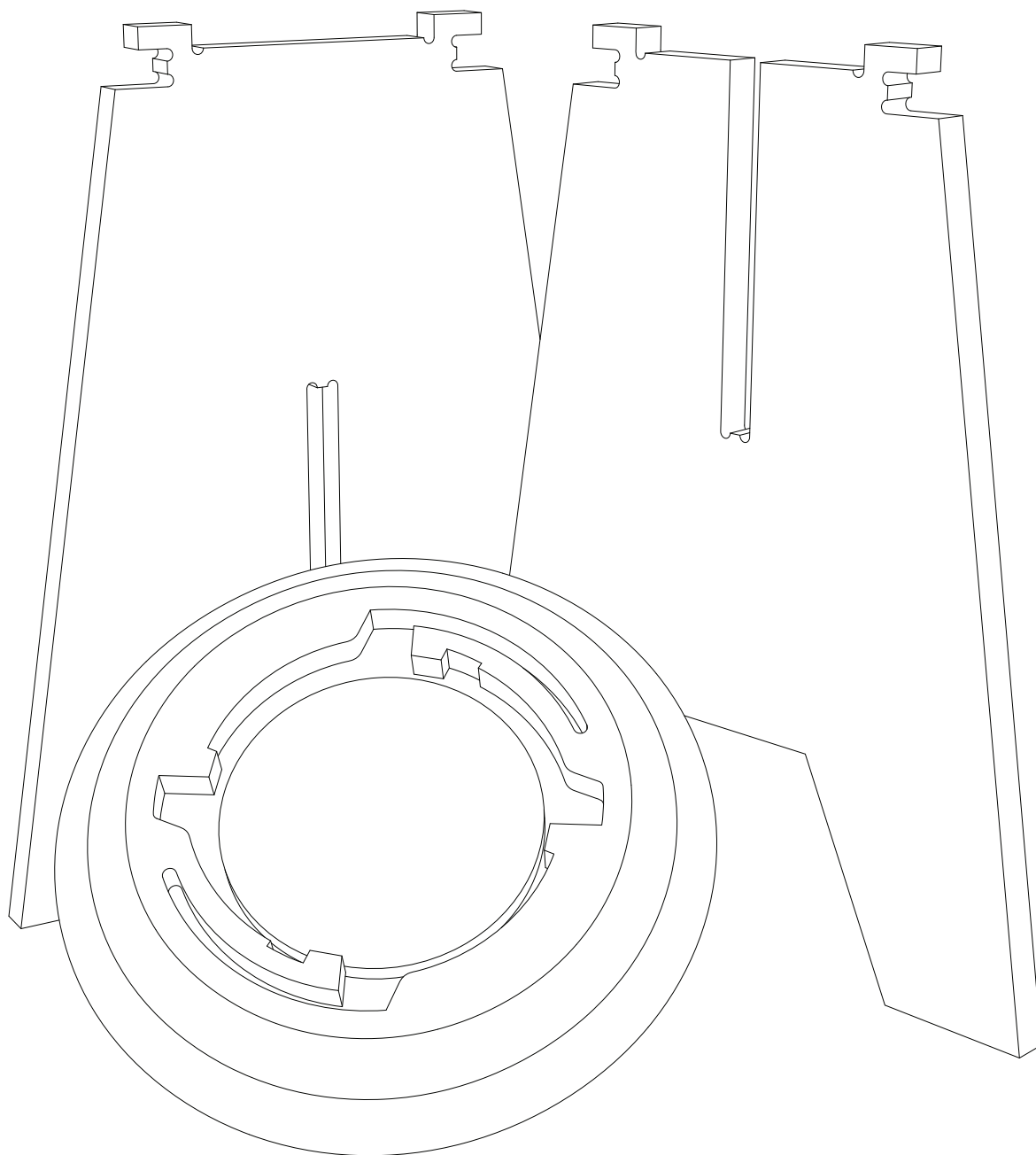# 46cm Twistab Original - Manual

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 funcionality 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

FILE + CNC MILLING

 Rhinosauras 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 stategies to load into your CAM softare. 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.

17.8   18.0   18.1

17.8   18.0   18.1
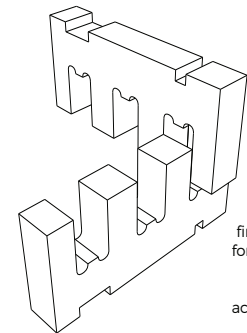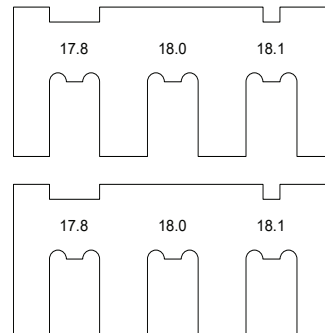
find the best fit for your material and scale the entire design according to the best fit found.

CUT STRATEGIES

This drawing shows the Cut Stategies that a machine operator will need to use with their own CAM (Computer Aided Manufacture) software.
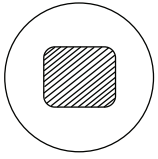
Below image: To help in the creation of the machine tool paths we have split the stategies into colour coded layers and named them according to the stategy required.

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

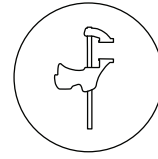| S..	Name		Color	
⬦	0		☐	white
⬦	1_Drill Peg Holes (7 mm)		⬛	8
⬦	2_Pocket (11.5 mm)		🟩	96
⬦	3_Profile Cut INSIDE (19 mm)		🟦	blue
⬦	4_Profile Cut OUTSIDE (19 mm)		🟥	red
⬦	5_Profile Cut _ Vmill (19 mm)		🟪	magenta
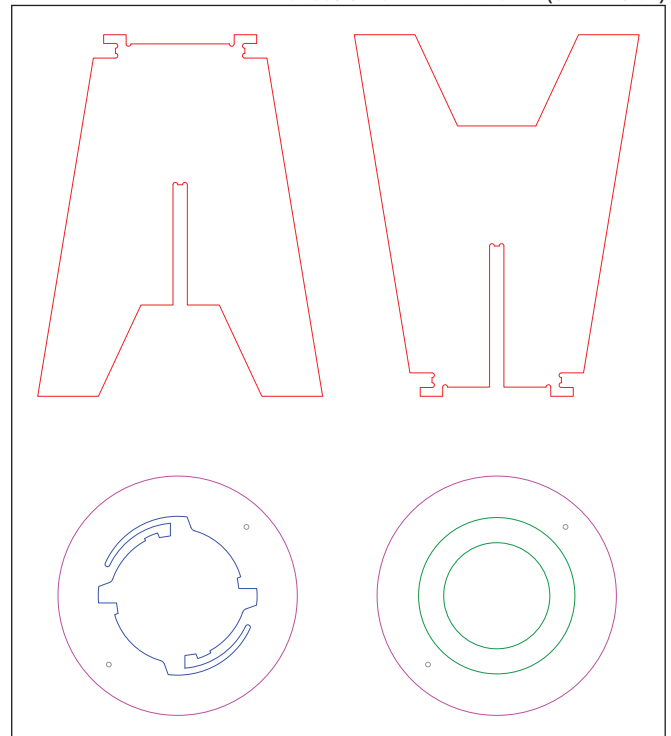
ASSEMBLY

Sand-Paper for finishing.
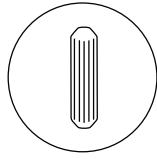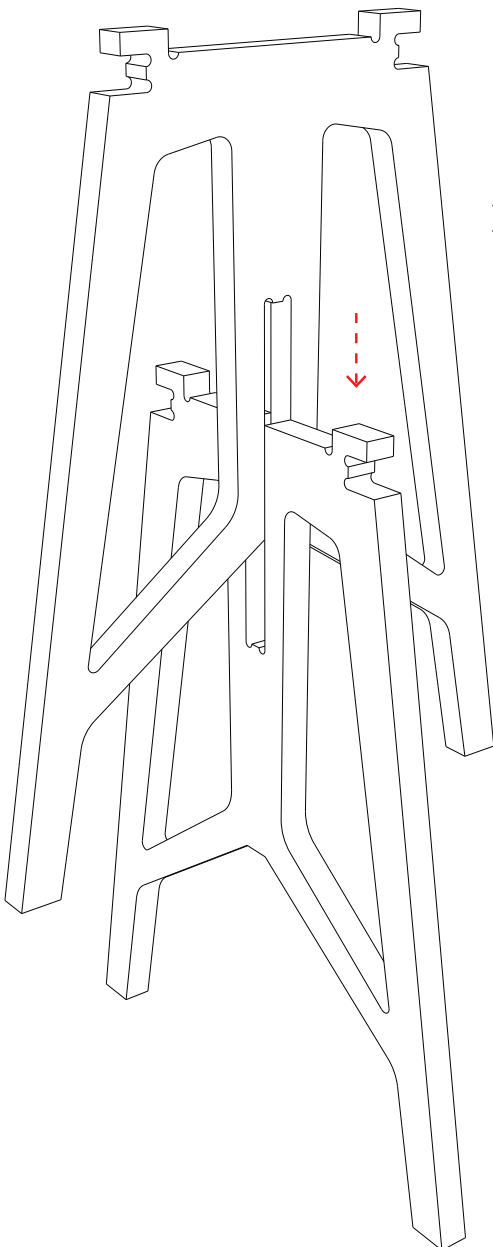
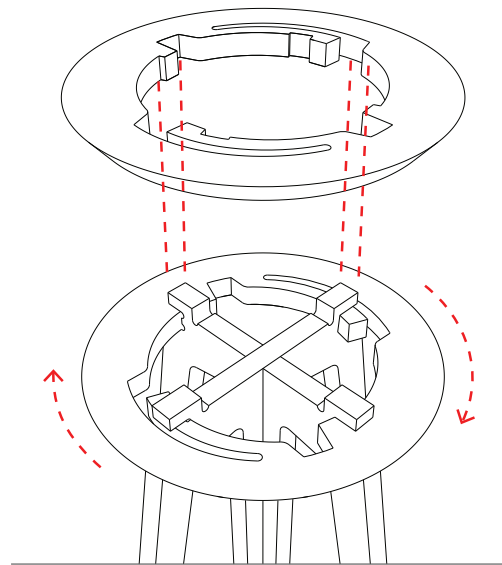**2cm long wooden pegs**
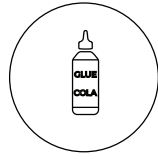
Glue

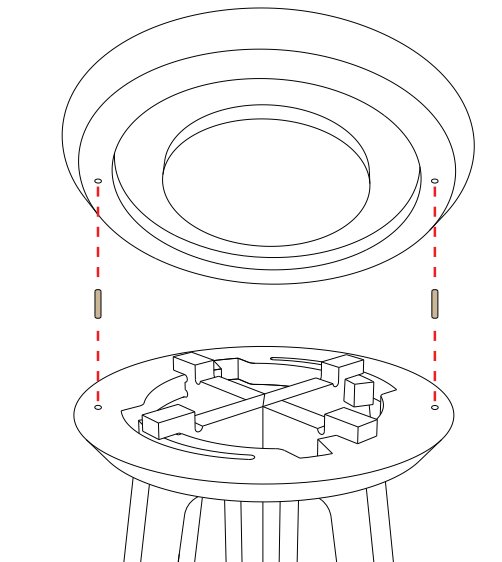**Clamp to hold the seat pieces together**

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.