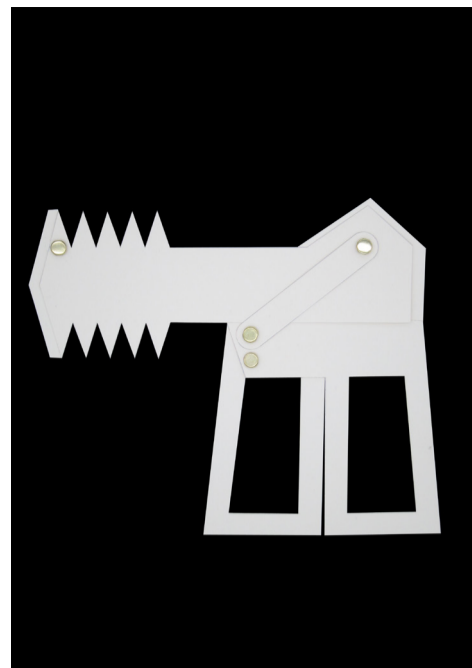
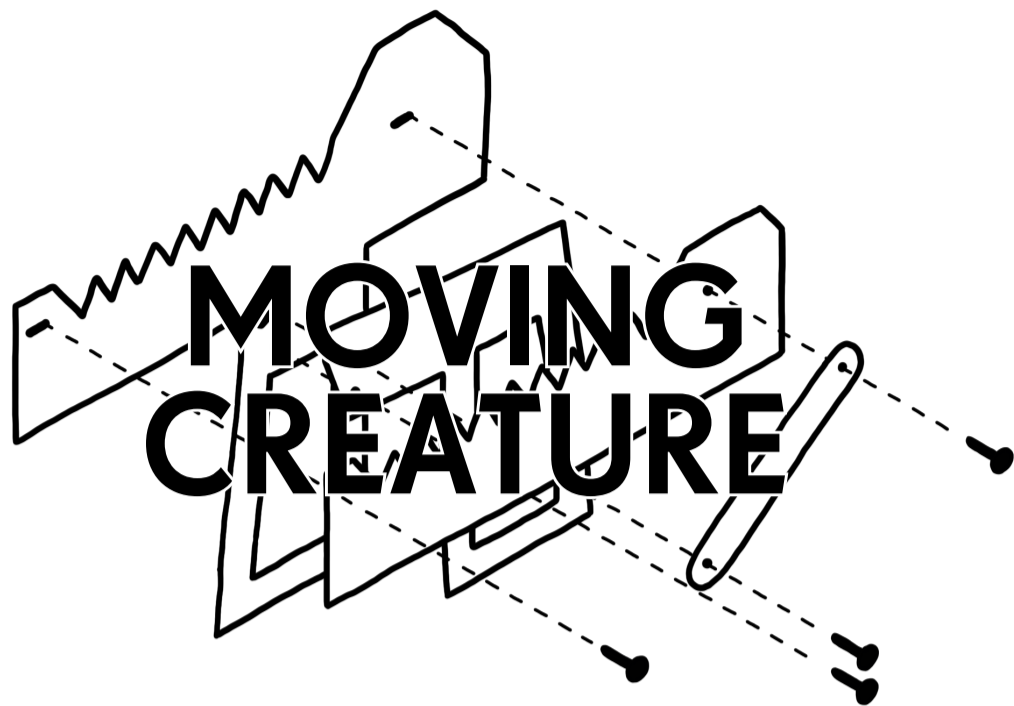


# MAKERS MANUAL #55

## Super Solide



### BIO OF THE DESIGNER

Camille and Céline are Paris-based designers, graduated from ENSCI Les Ateliers in Paris. They founded the design studio Super Solide.

Their practice raises the question of the lifespan of everyday objects. Faced with the climate challenge, it seems urgent for them to slow down the use of our resources. As designers, they try to draw objects with less technology and materials, while keeping a quality of comfort adapted to our time. They want to propose a real Domestic Transition, with robust and desirable objects that lead us to a reasoned consumption but with still fun and attractive uses.

### FURTHER READING

- 'Fable', by Ionna Vautrin for the "Pitchouns" festival in 2019
- 'Papier Machine', by Raphaël Pluinage and Marion Pinaffo
- 'OpenStructures', by Thomas Lommée

### LIST OF THINGS

#### MATERIALS

- A4 sheet of coloured paper (250gsm or more)
- A box of split pins (also known as brads) (4 pieces per creature)

#### TOOLS

- Pair of scissors
- Scalpel
- Cutting mat
- A4 printer with paper (1 sheet per creature)
- Pencil

### INTRODUCTION

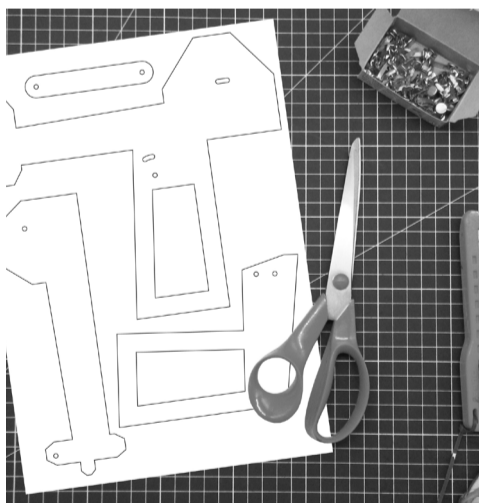
This manual documents the production of simple paper objects to understand the mechanical movements found in everyday objects like scissors. You can choose your favourite creature, and are free to choose the paper colour, to draw or paint it. Each creature uses some kind of rotational movement. The paper allows anyone to reproduce these creatures at home or in a classroom.

#### STEP 1

Choose which creature you want to animate. You can find and download four different patterns here: <https://shorturl.at/ghY25>

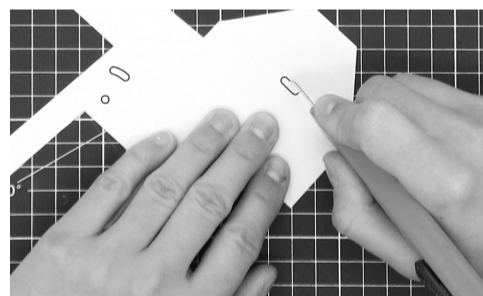
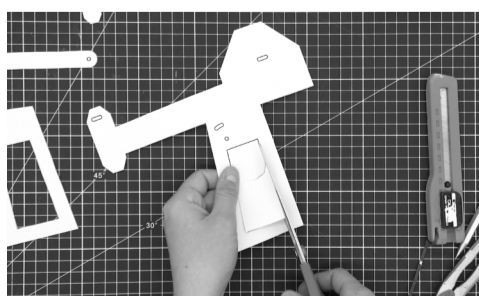
#### STEP 2

Once you have the pattern you want, print this to scale (100% on ordinary A4 paper).



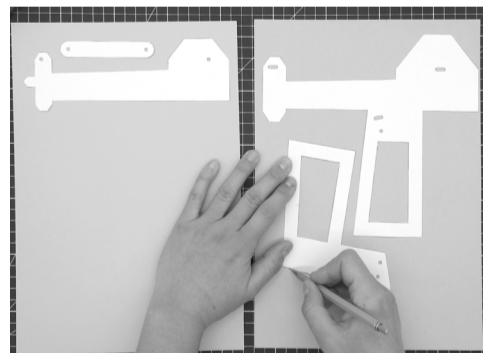
#### STEP 3

On this sheet of paper, you have all the parts of your creature. Cut out these parts precisely by using scissors for the outlines and using a scalpel for the holes (pay attention to your hands when you cut!). Tip: make a cross inside the hole first before cutting it out.



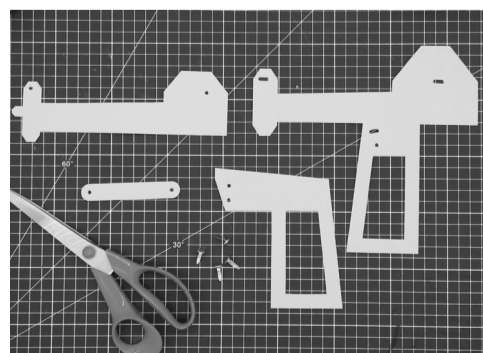
#### STEP 4

Get two colourful sheets of card (250gsm or more), and choose which colour you will use for each part. You could also choose to use white card and draw/paint on this after. Once you've chosen your cards, outline each part of your creature.



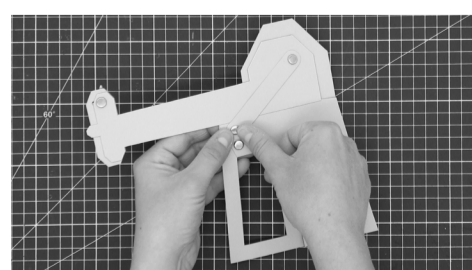
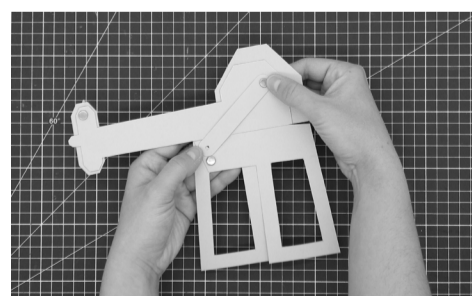
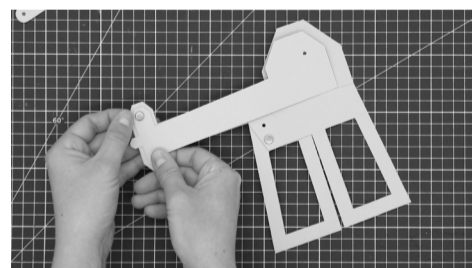
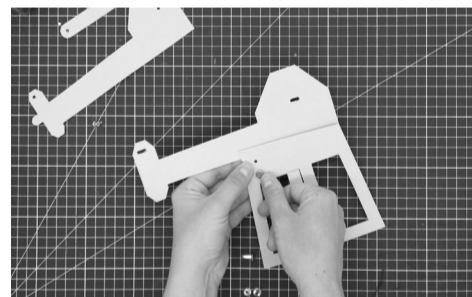
#### STEP 5

Once outlined, cut out all the parts again as previously done with STEP 3.



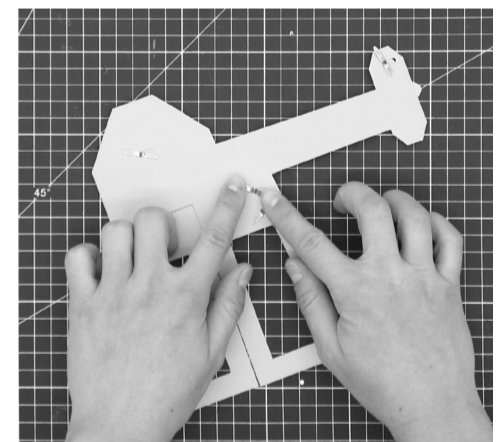
#### STEP 6

All your creature parts are now ready. It is now mounting time, where you will put together all your parts with four brads. Follow the specific assembly order carefully as described in the pictures below.



#### STEP 7

Flip your creature over and flatten the pins on the brads. Make sure you do not over-tighten as this may block the movement.



#### STEP 8

Your creature is now finished! You can play with it by moving it carefully.

