

How to build the street debater gear

This is a manual for building for building the street debating gear made by Tomo Kihara. This data is modified version from the data made by Zenzi Werken - "Kids Toy Scale" It is licensed under Creative Commons - Attribution - Non-Commercial - Share Alike license.

Original Data - <http://www.thingiverse.com/>

What you need to make the device.



6mmx 35mm wood dowel : 4 piece

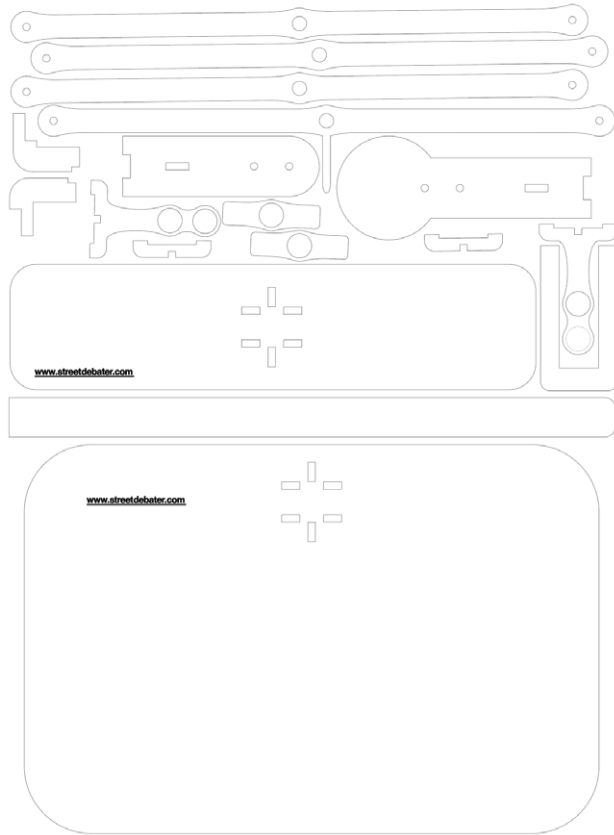
Ball Bearing 626ZZ 6mm : 6 piece



Blackboard paint : 1 can

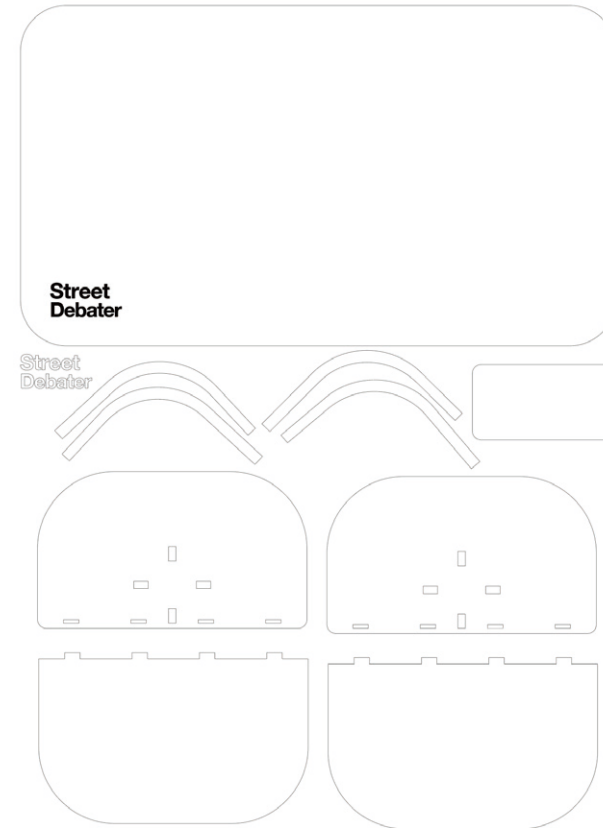
2 colors of paint : 2 can

Data for making it with Laser Cutter



6mm_laser_cut.ai

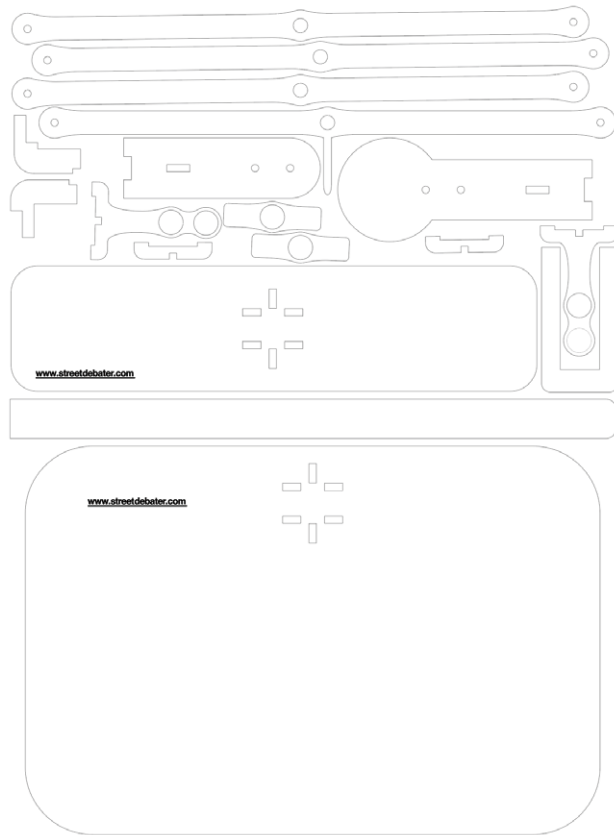
- 6mm thickness plywood or birchwood
- Size : 485 x 600 mm
- Laser power : 100 / Laser speed : 25
- Engrave power : 30 / Engrave speed : 250



3mm_laser_cut.ai

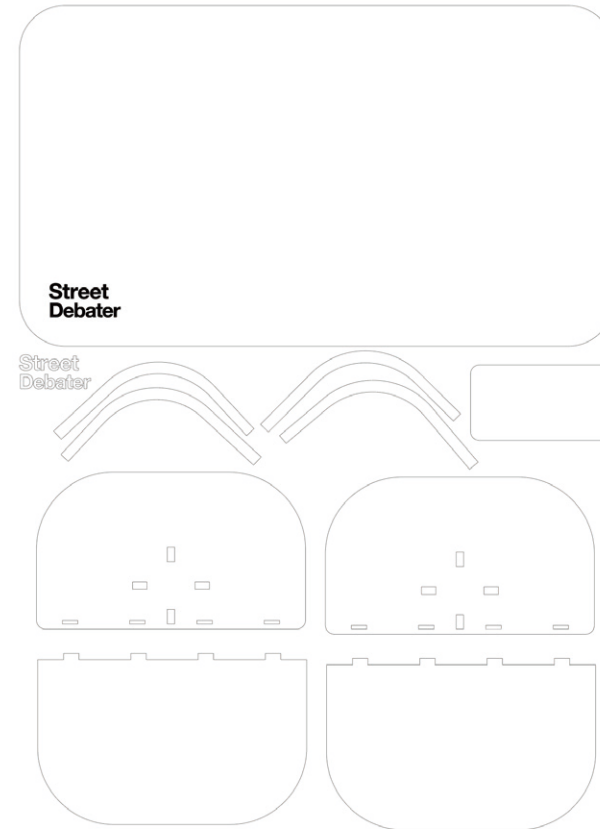
- 3mm thickness plywood or birchwood
- Size : 485 x 660 mm
- Laser power : 100 / Laser speed : 40
- Engrave power : 30 / Engrave speed : 250

Data for making it with CNC (beta)



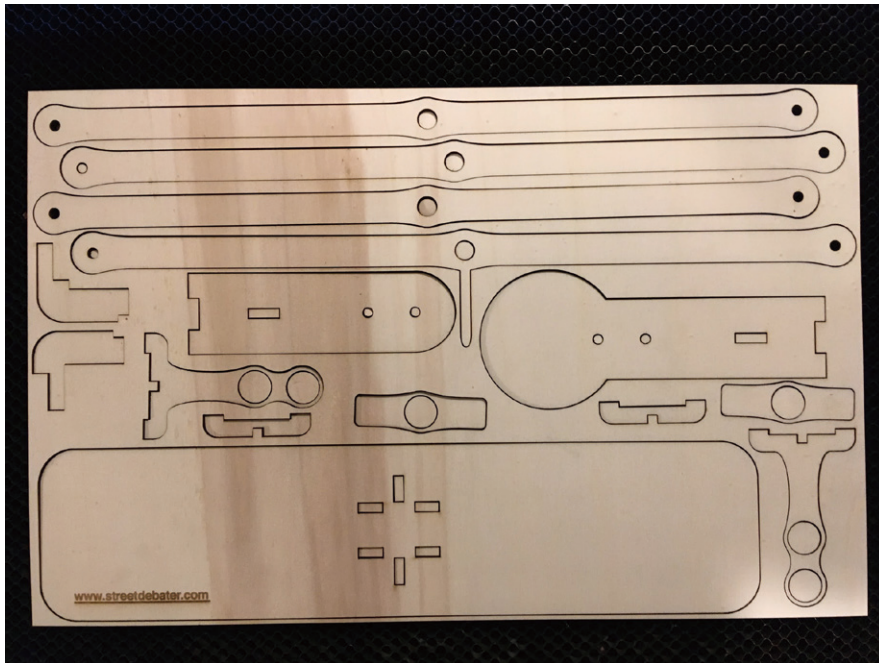
6mm_CNC_cut.ai

- 6mm thickness plywood or birchwood
- Size : 485 x 600 mm
- Spiral-toothed 1.2 mm flute.

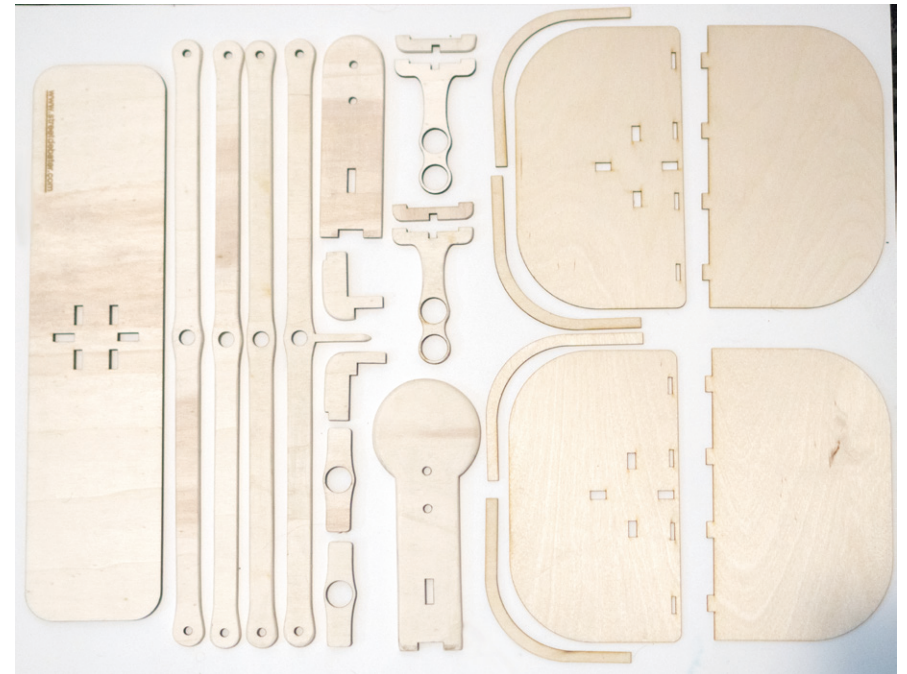


3mm_CNC_cut.ai

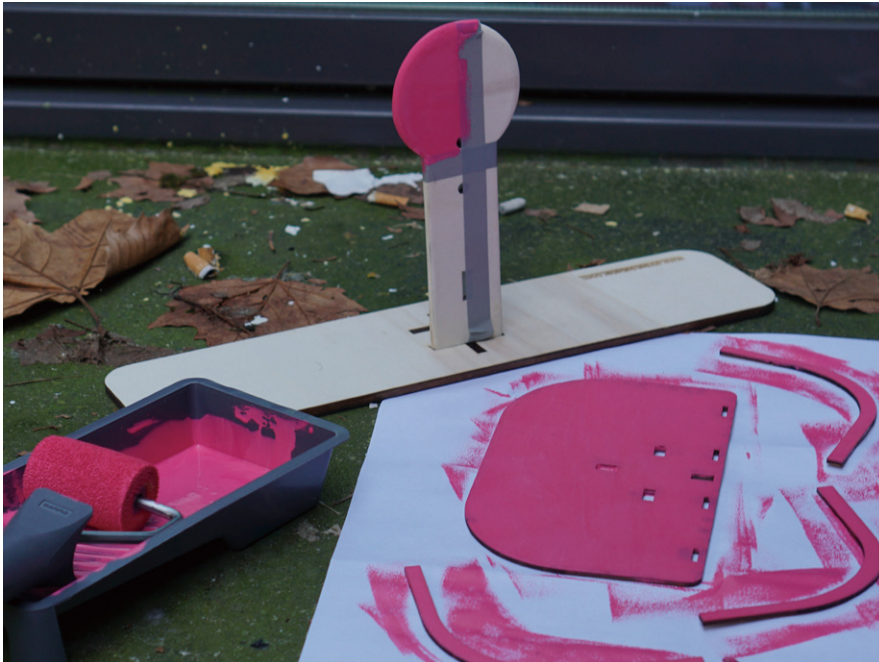
- 3mm thickness plywood or birchwood
- Size : 485 x 660 mm
- Spiral-toothed 1.2 mm flute.



1. Cut the data

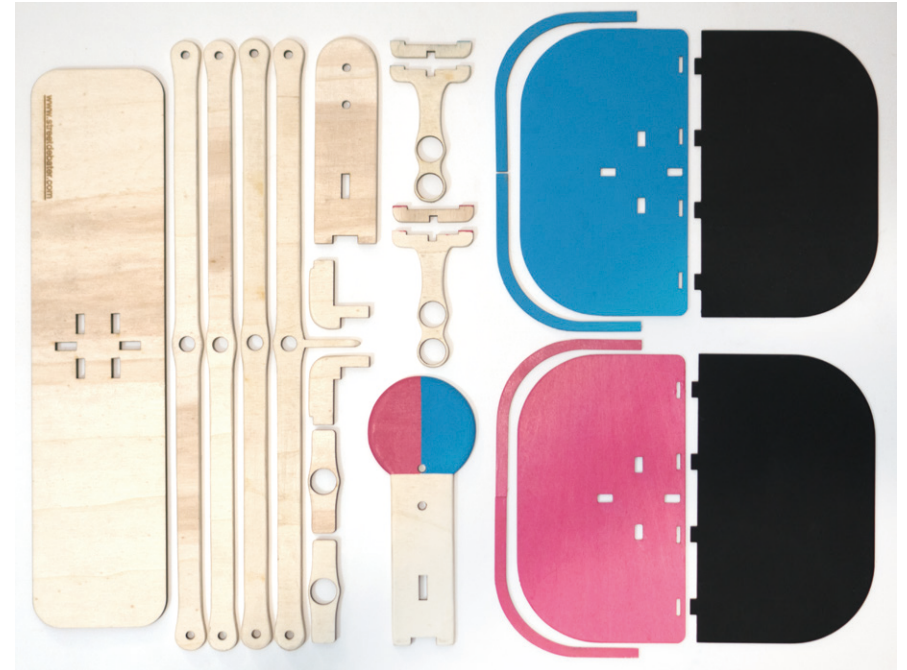


2. Sand the parts (Optional)



3. Paint the parts

*Use the masking tape to divide 2 color

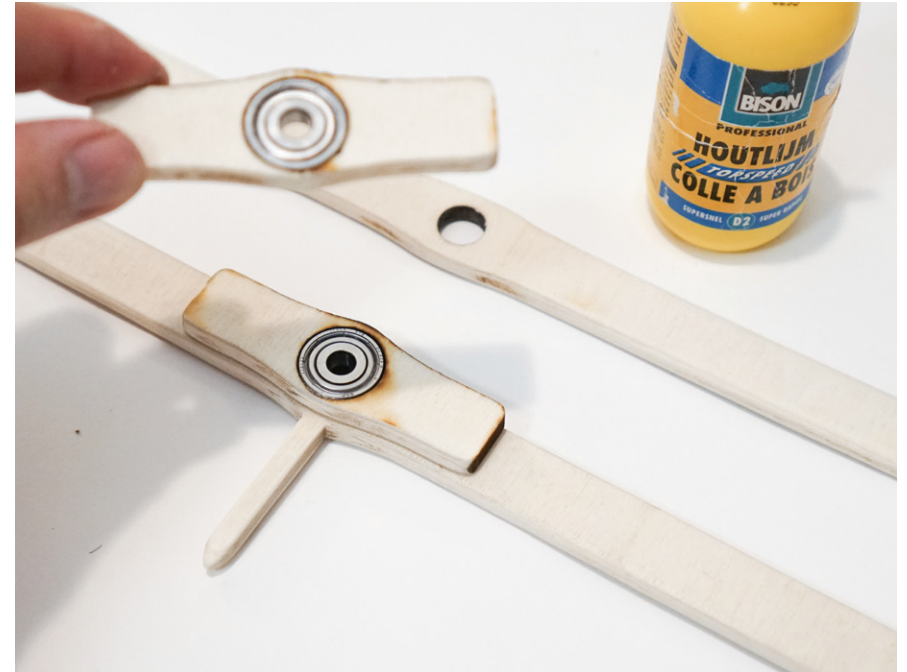


4. Dry the parts



5. Attach the bearing and combine

*Sand the parts to get the right fit



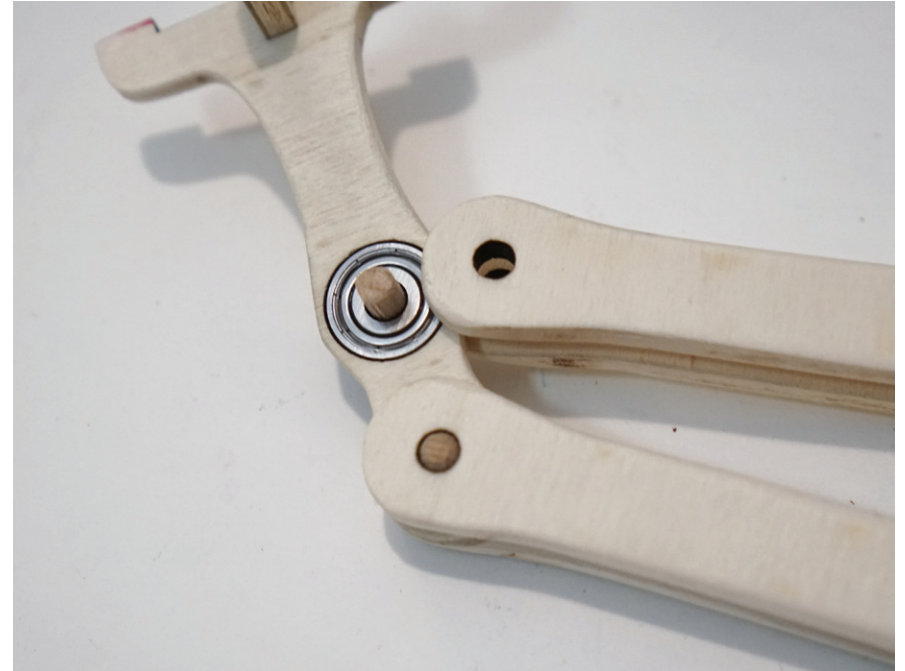
6. Glue the parts together



7. Attach the dowel to bearing

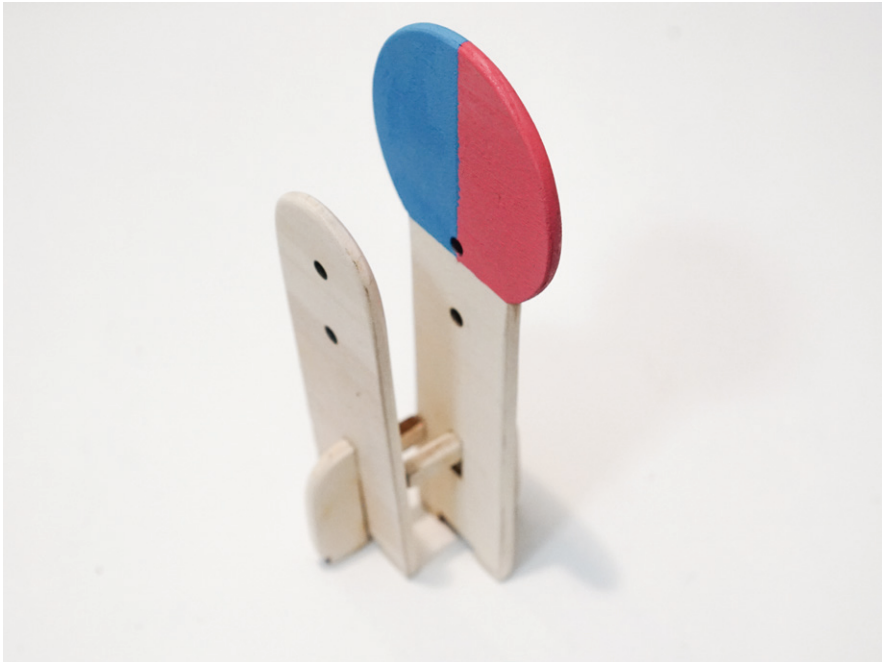
*Sand the dowel to get the right fit

*The length is 35mm x 2 / 18mm x 4

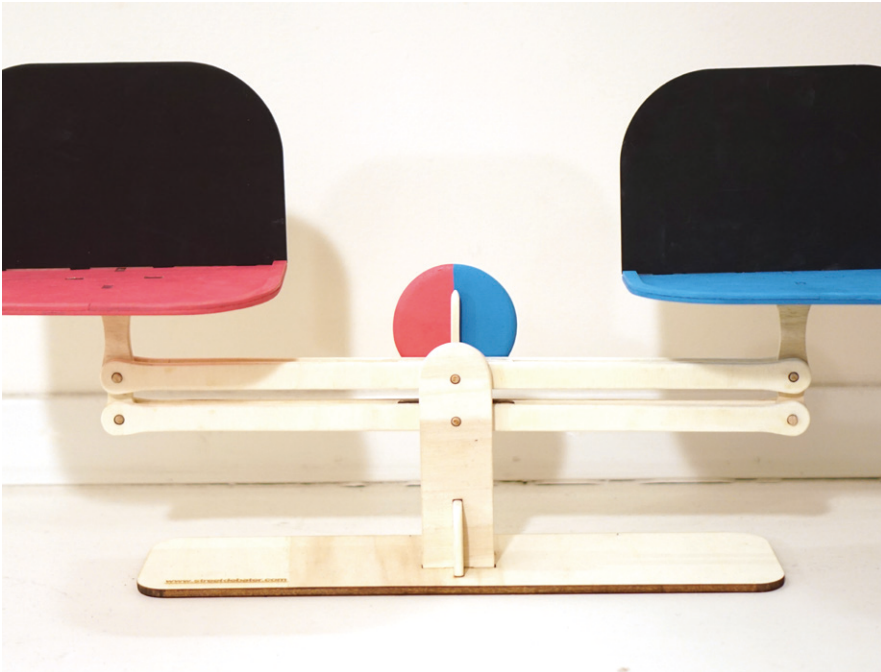


8. Combine the parts

*Bend the wood slightly if necessary



9. Combine the two joints



10. Done :)