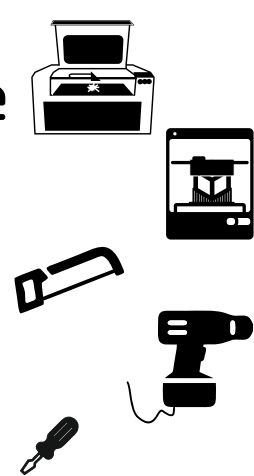


what you will need :

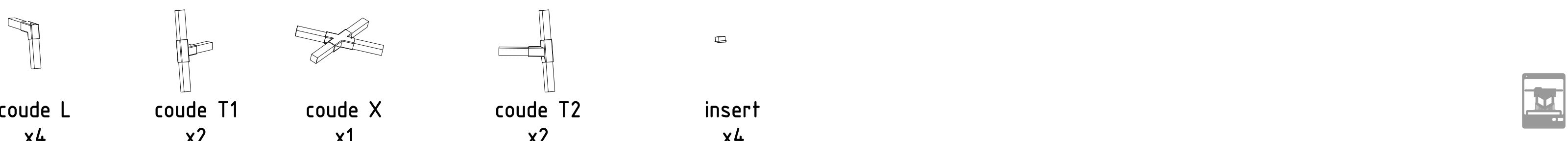
- a 1000x600x10mm interior plywood sheet
- 100g of PLA filament for 3D printing
- 3m of steel square tube 12x12mm
- wood glue
- 8 20mm wood screws Ø3mm

- * a laser cutting machine
- * a FDM 3D printer
- * a metal saw
- * a heat gun
- * a screwdriver

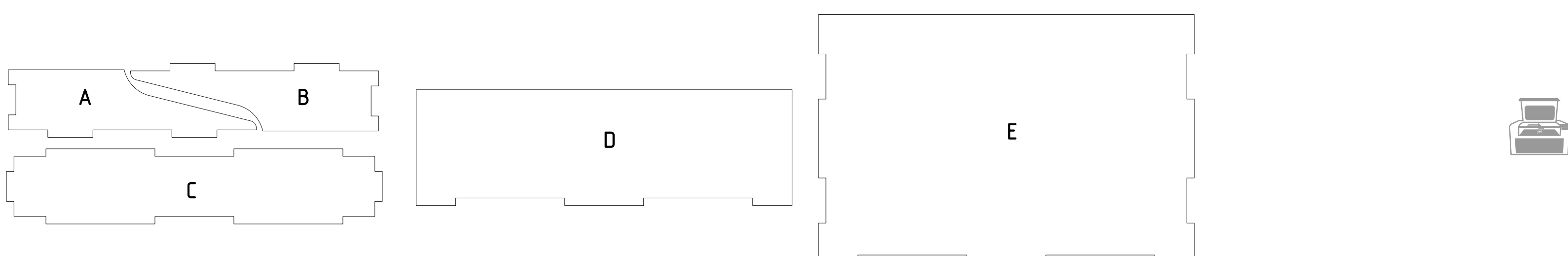


- (* paint)
- (* sanding tool)

step #1 print all the STL files

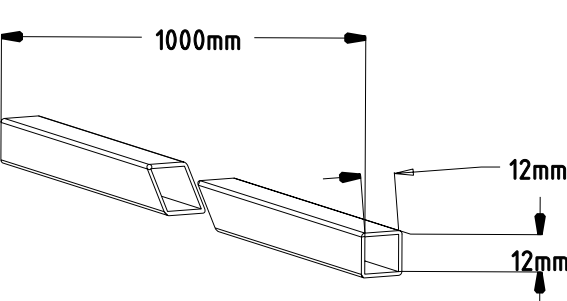


step #2 laser cut the plywood sheet (PP50_plywood.pdf / PP50_plywood.svg)



step #3 you can sand and paint the wood

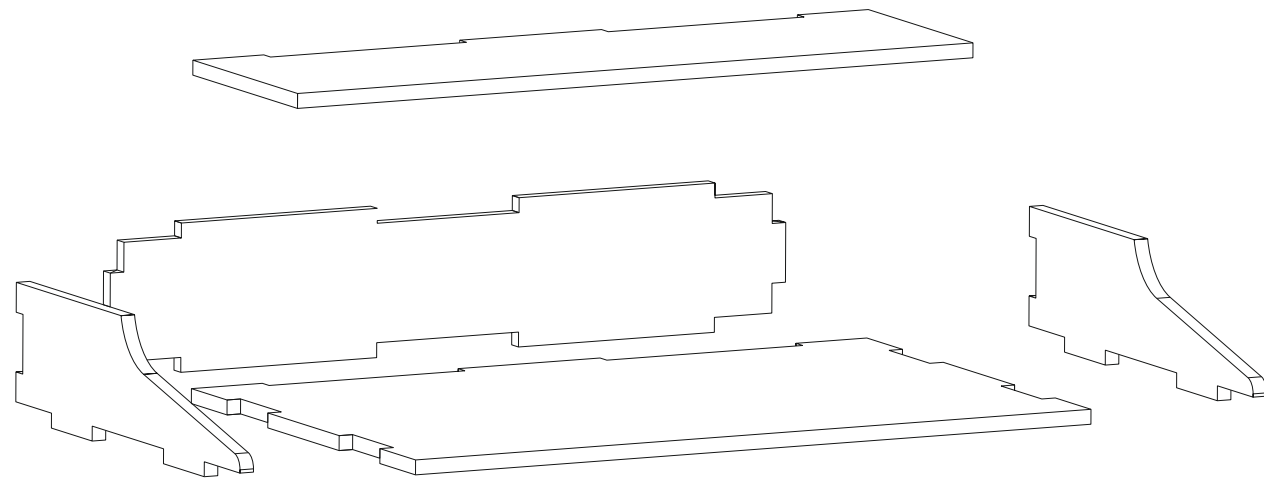
step #4 cut the tube as described



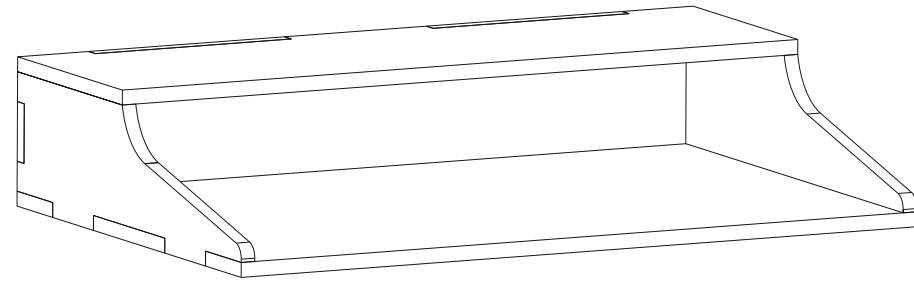
cut dimension for the	1000mm				
	290mm		290mm		116mm
	237mm	237mm	290mm	116mm	116mm
	237mm	237mm	182mm	182mm	116mm

step # 5 assemble the parts together

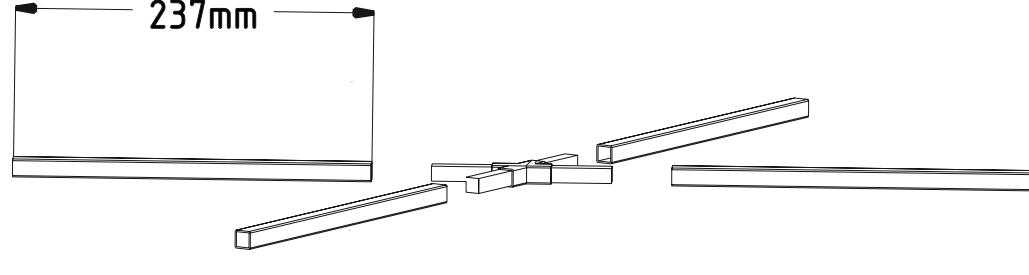
- o A - B - C - D - E



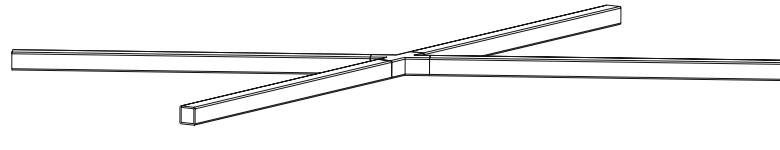
- . use wood glue



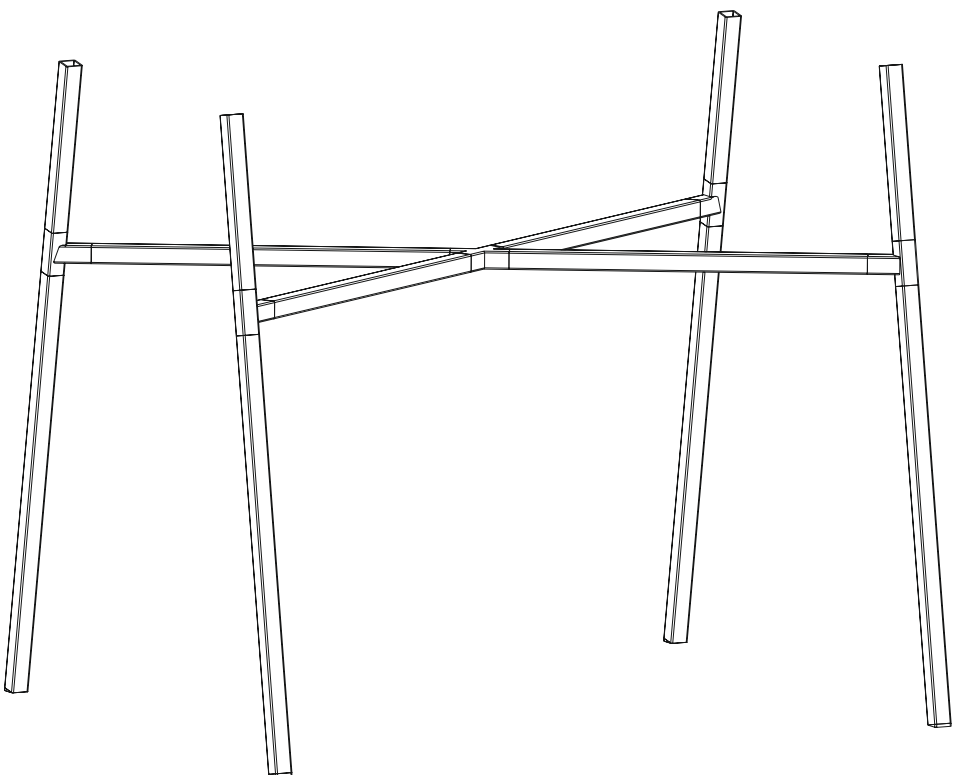
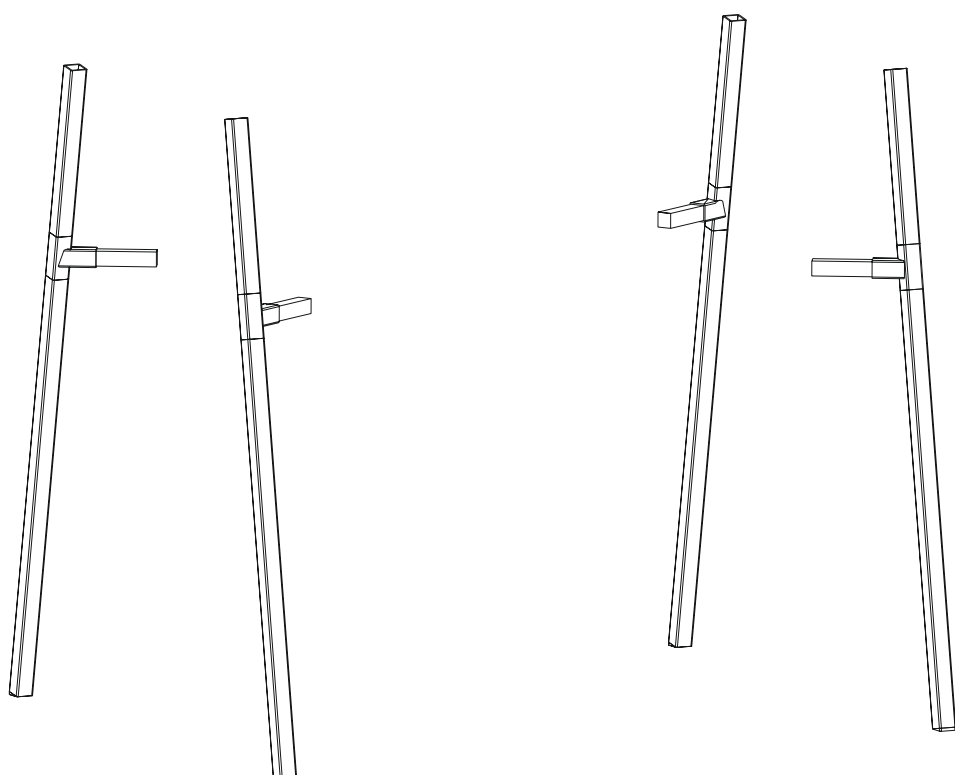
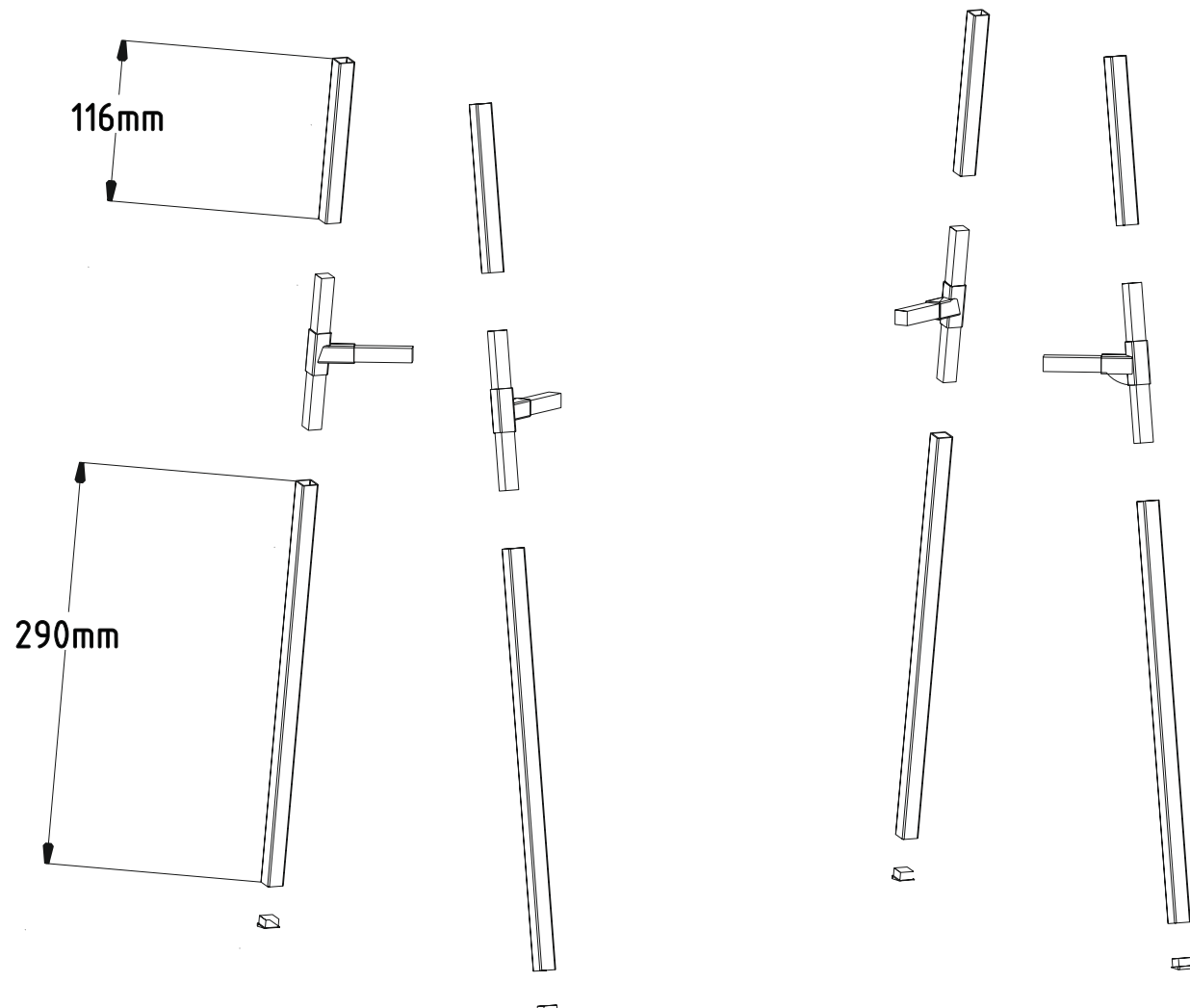
- . heat slightly the tube with a heat gun
- . insert the 3D printed part



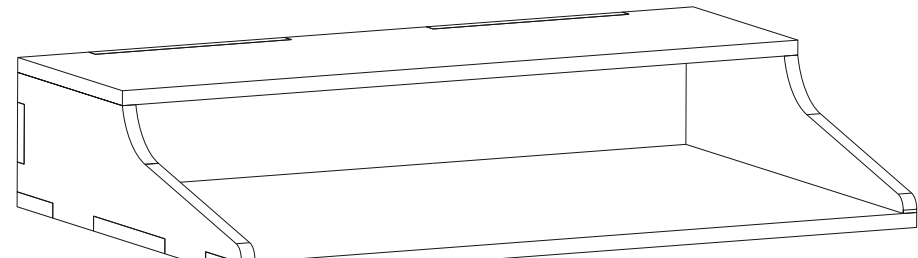
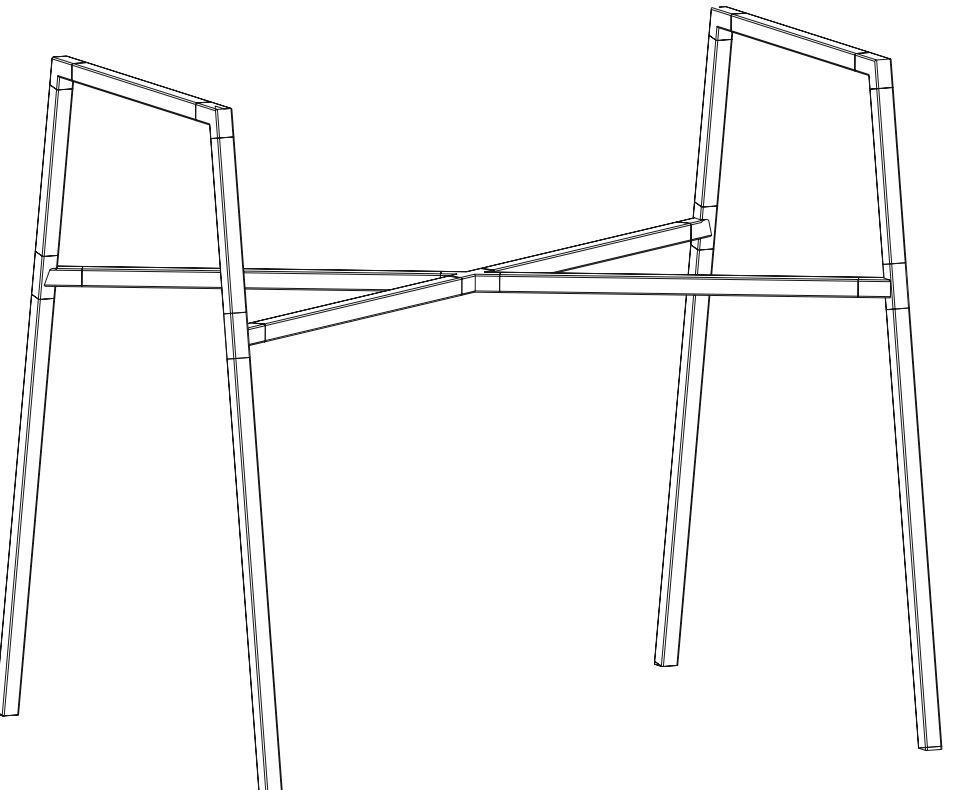
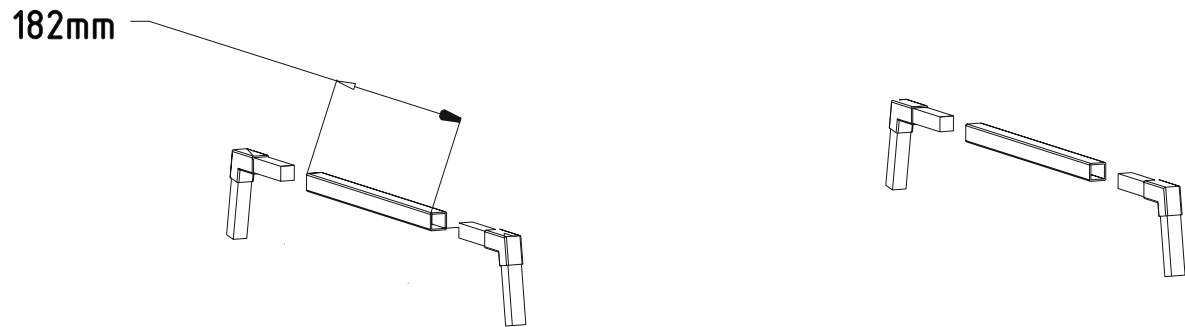
- o coude X
- o 237mm tube x4



- o coude T1 x2
- o coude T2 x2
- o 116mm tube x4
- o 290mm tube x4
- o insert x4

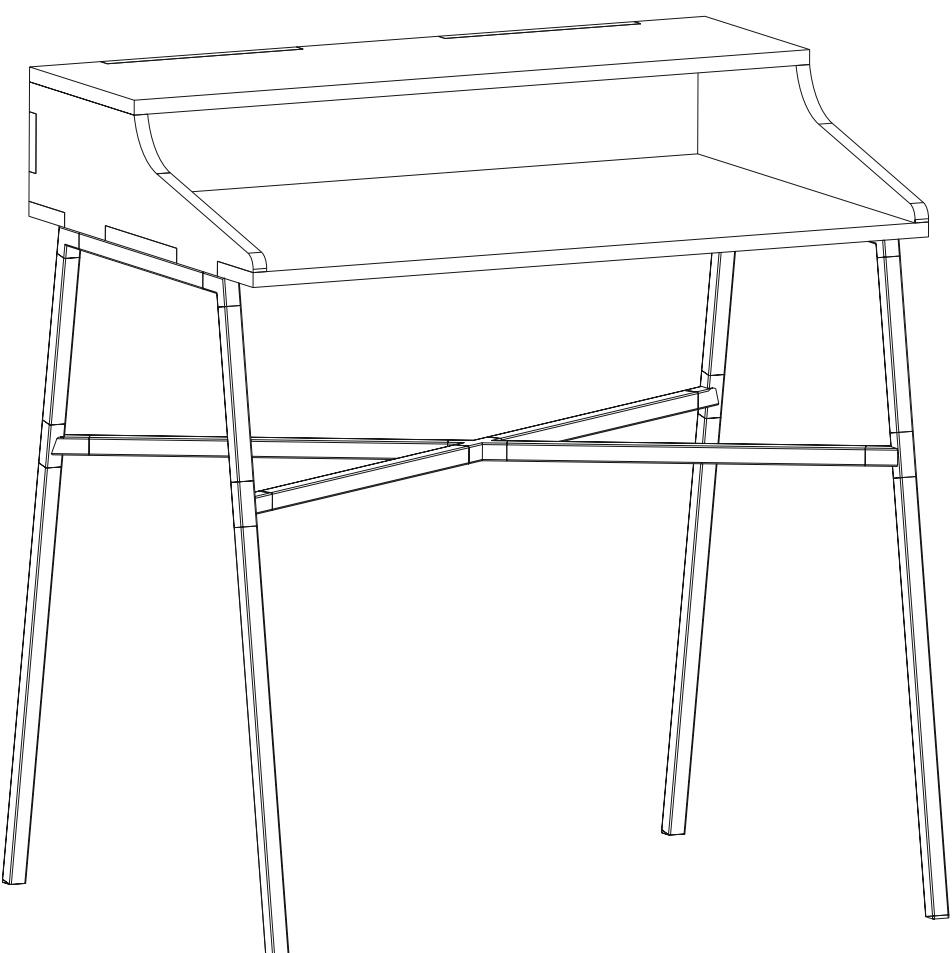
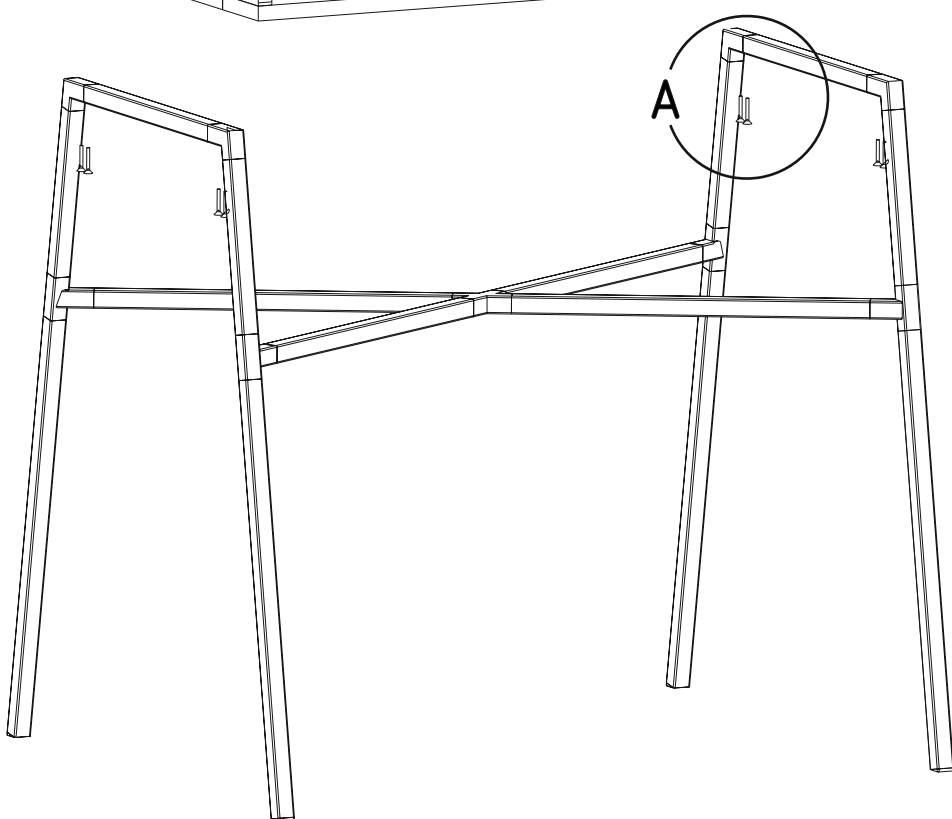


- o coude L x4
- o 182mm tube x2



- . use screwdriver

- o wood screw x8



- . tadaa

