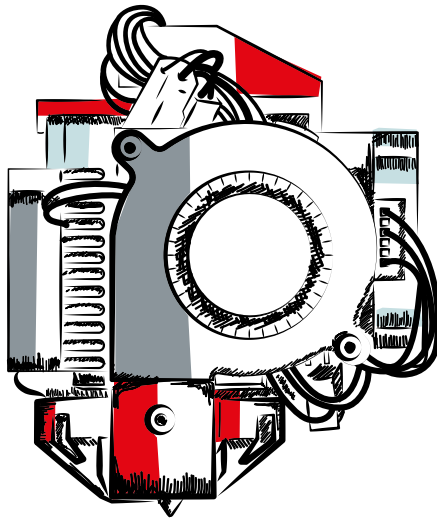


Assembly of the Extruder

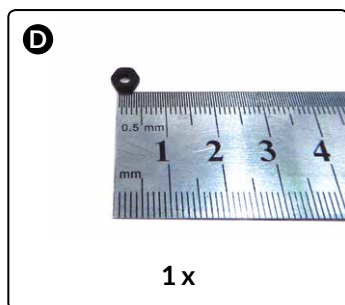
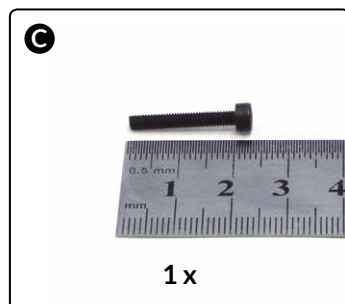
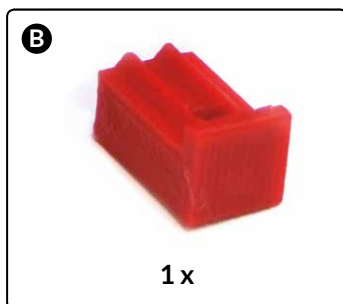
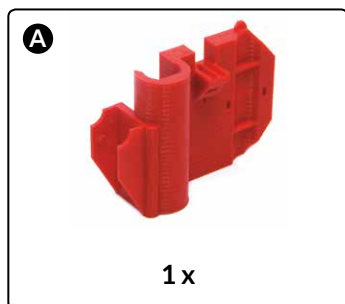


List of components for the Extruder

- 1 x** Witbox extruder
- 1 x** Extruder bracket
- 2 x** Screw M4 x 6 mm DIN-912 class 8.8
(with head for Allen 2.5 mm)
- 2 x** Screw M3 x 10 mm - DIN-912 class 8.8 black
- 1 x** Screw M3 x 20 mm - DIN-912 class 8.8 black
- 1 x** Nut M3 - DIN 934 class 8 black

1

Preparing the carriage



A Axle X carriage A printed part

Carriage of axle X where the extruder is held, adapted for the use of chains.

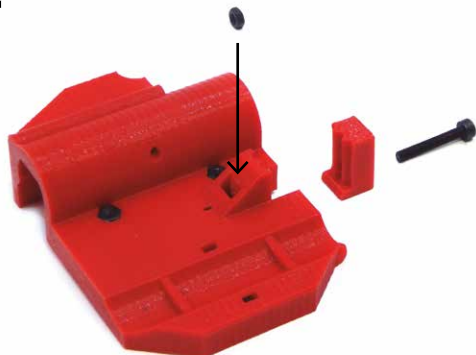
B Axle X carriage B printed part

Part for fastening the belt of Axle X to the carriage.

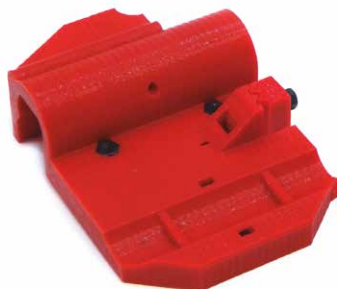
C Screw M3 x 20 mm

D Nut M3

1.

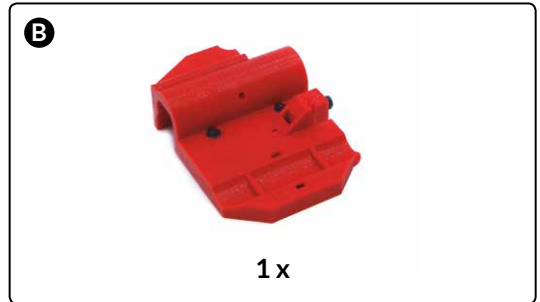


2.



2

Mounting the carriage on Axle X

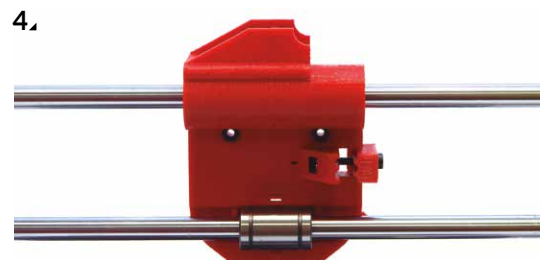
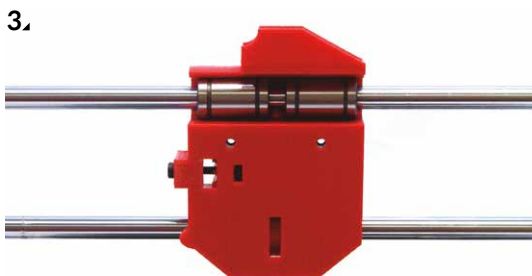
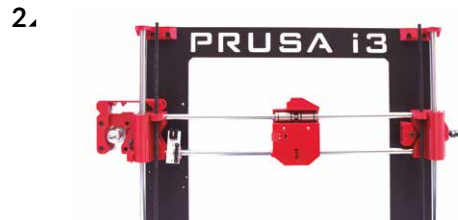
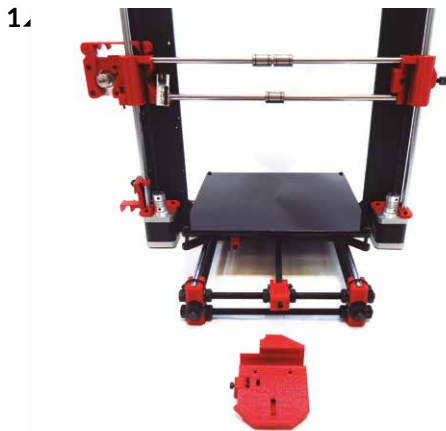


A Prusa with all the axes

B Set for step 1

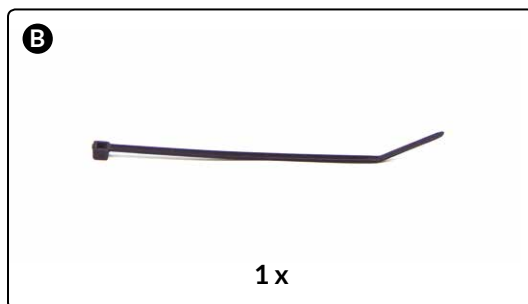
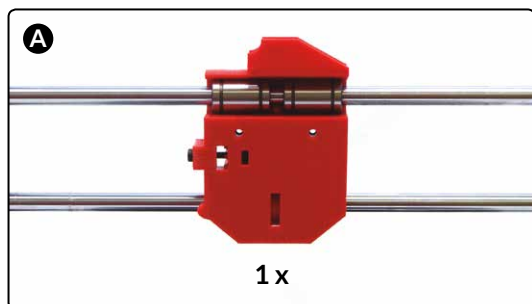
Assembly:

Fit the set for step 1 onto the smooth rods of Axle X.



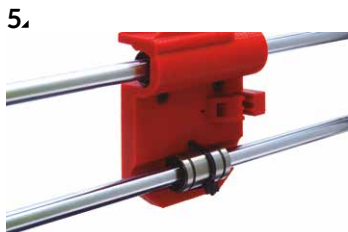
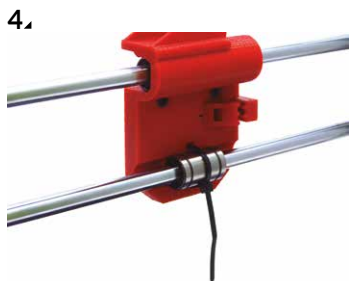
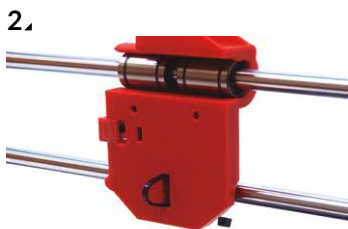
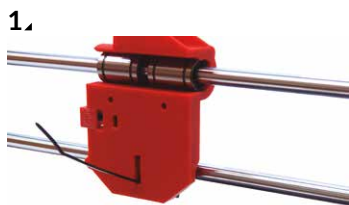
3

Securing the carriage with a strap



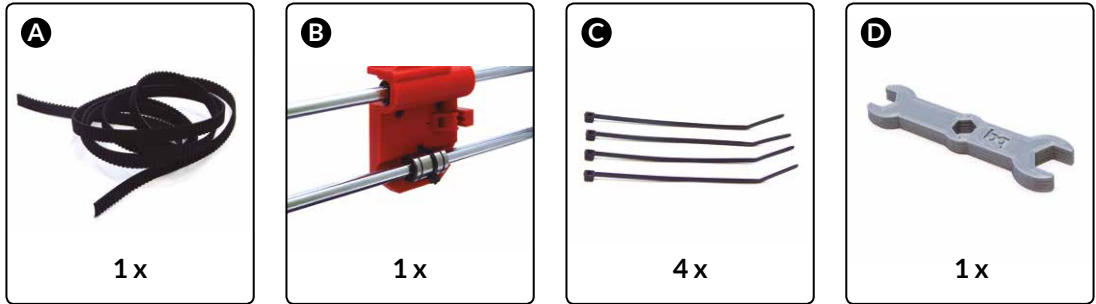
A Set for step 2

B Black strap 100 x 2.5 mm



4

Fitting the Axle X belt



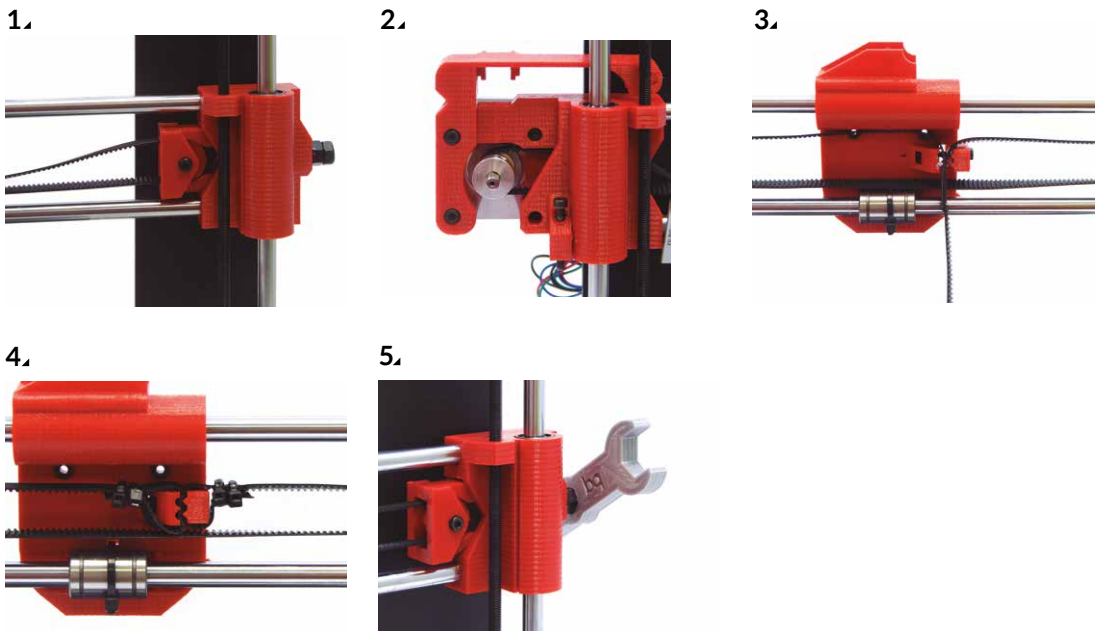
- A** Belt GT2 6 mm x 1 m
- B** Set for step 3
- C** Black strap 100 x 2.5 mm
- D** Printed fixed spanner

Assembly:

Pass the belt round the pulley of the right-hand printed part, then round the set for step 3, and finally round the pulley of the left-hand printed part of Axle X. Tighten the belt and fix it with the straps.

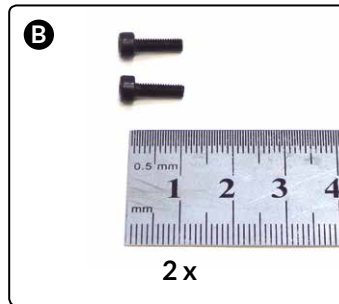


Use the printed fixed spanner as a handle with the tensioner to tighten the belt



5

Mounting the extruder bracket



A Extruder bracket

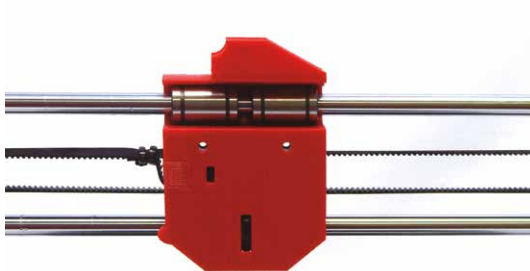
A metal bracket which allows the extruder to be fastened to the carriage of Axle X by means of two screws in the frame.

B Screw M3 x 10 mm

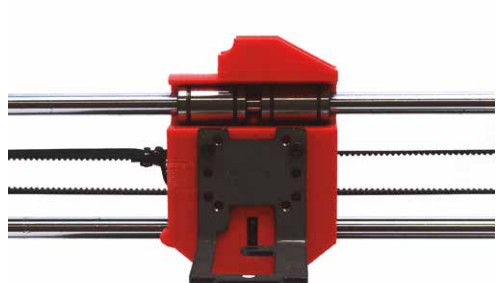
Assembly:

Screw the extruder bracket to the part which you assembled in the first step.

1.

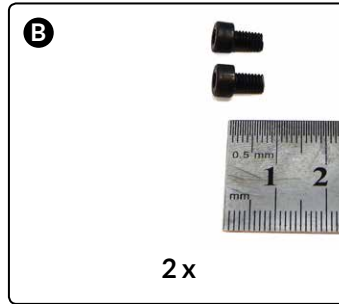
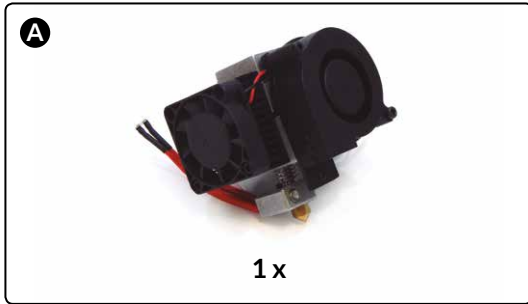


2.



6

Mounting the extruder



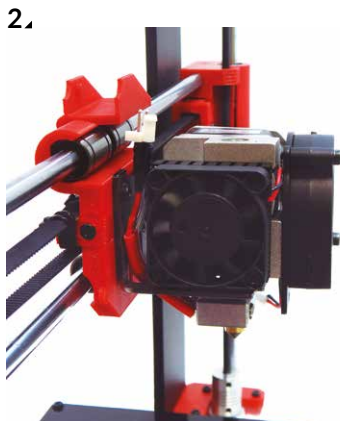
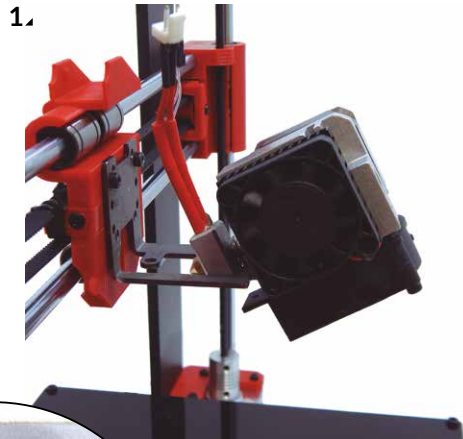
A Witbox Extruder

Witbox Extruder (direct extrusion by filament of 1.75 mm with 0.4 mm nozzle).

B Screw M4 x 6 mm

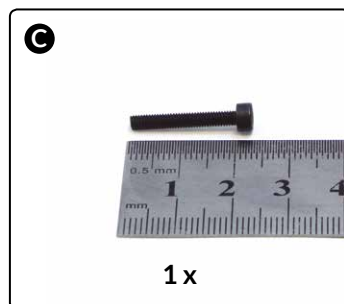
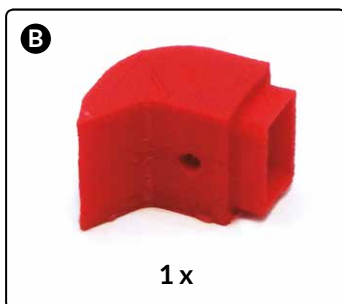
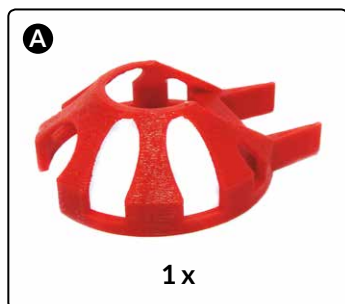
Assembly:

First, remove the nozzle. Using the screws, fix the extruder to the bracket which you mounted in the previous step.



7

Fitting the nozzle and the protector



A Hot-End Protector printed part

This part covers the Hot-End to prevent the user from touching it when it's hot, thus avoiding burns.

B Nozzle printed part

C Screw M3 x 20 mm

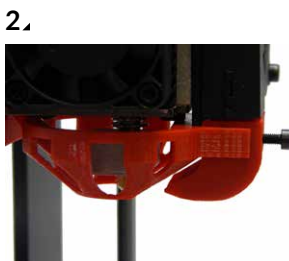


The Hot-End's safety protector is an optional extra which is not essential for the functioning of the printer, but its use is strongly recommended for the avoidance of burns.

Assembly:

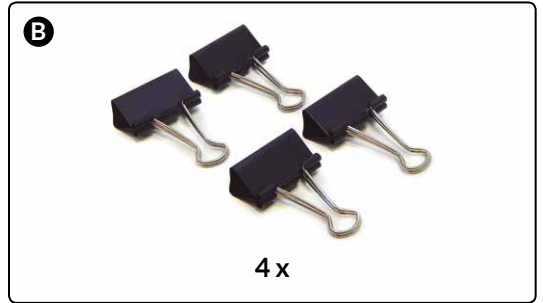
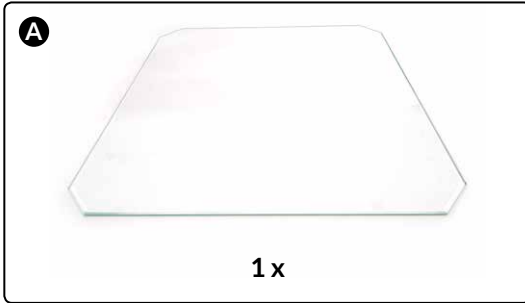
Connect the nozzle to the protector and fasten it round the Hot-End with a screw.

This screw (**C**) is not the same one that was screwed to the nozzle in the previous step.



8

Fit the glass of the base



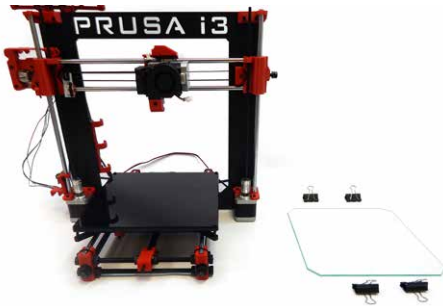
A Glass 220 x 220 x 3 mm

B Black Binder (35 x 10 mm)

Assembly:

Place the glass on the aluminium base, fixing it with the four clips.

1.



2.

