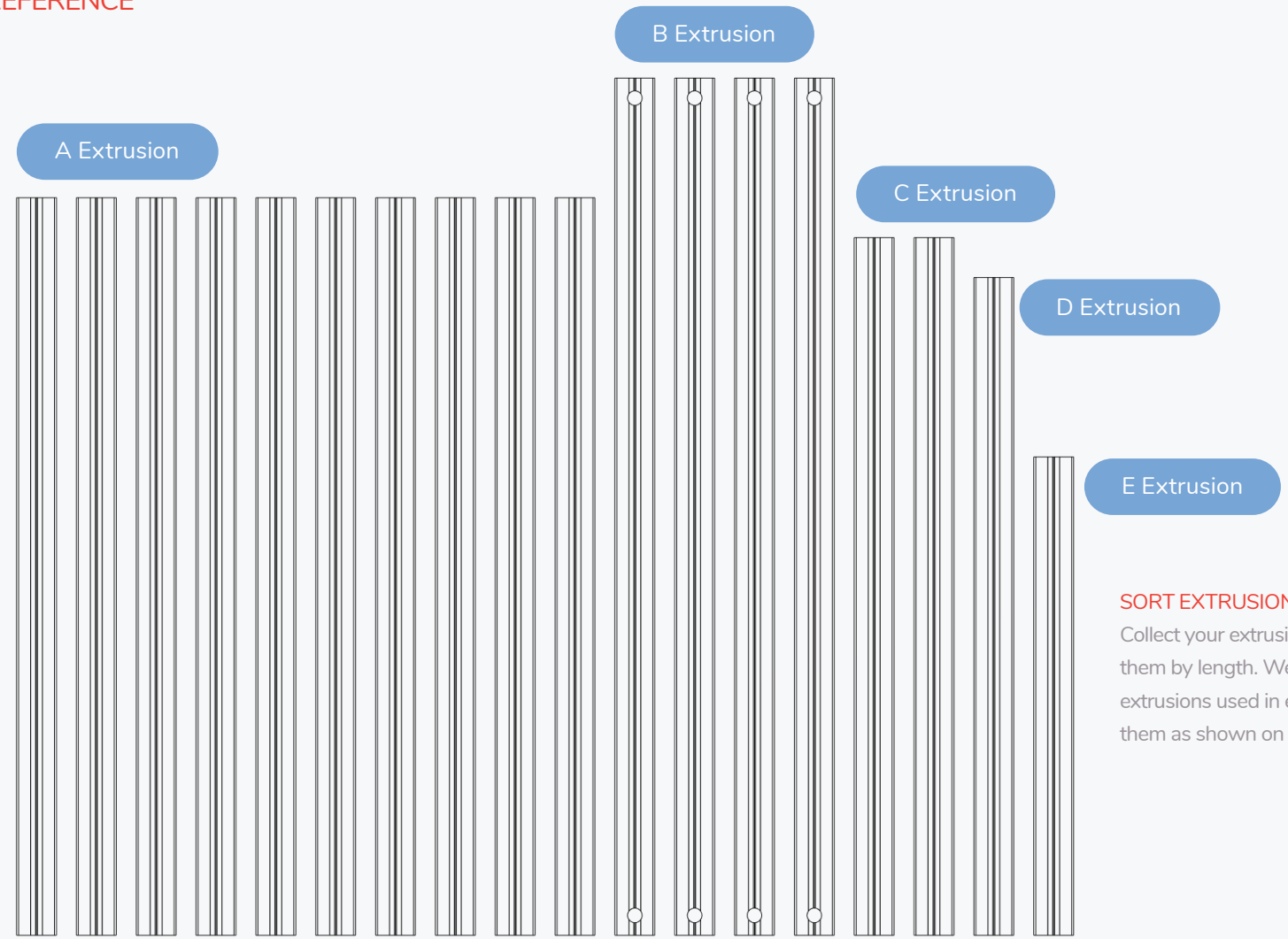
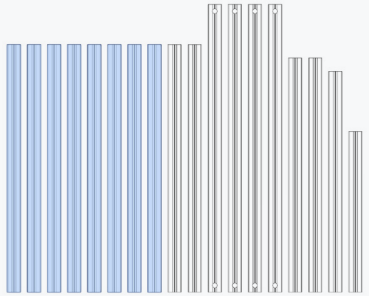
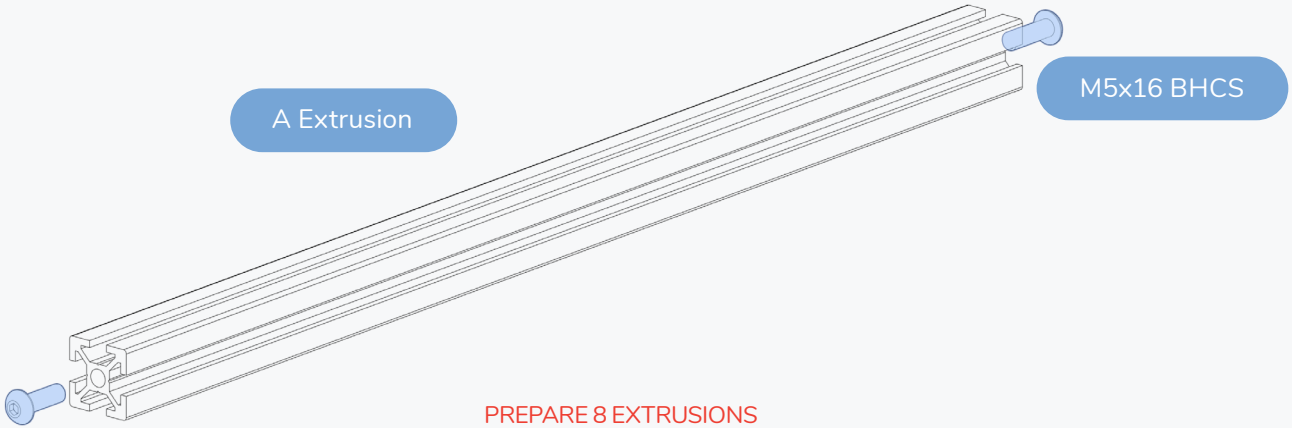
EXTRUSION REFERENCE



SORT EXTRUSIONS

Collect your extrusions and sort them by length. We will highlight the extrusions used in each step and label them as shown on this page.





PREPARE 8 EXTRUSIONS

The extrusions are going to be used in this section. Prepare them as shown above.

FRAME

FRAME ASSEMBLY

This design relies on blind joints to assemble the frame. We outlined the basics of blind joints on page 10.

More tips on how to assemble a frame are linked below.

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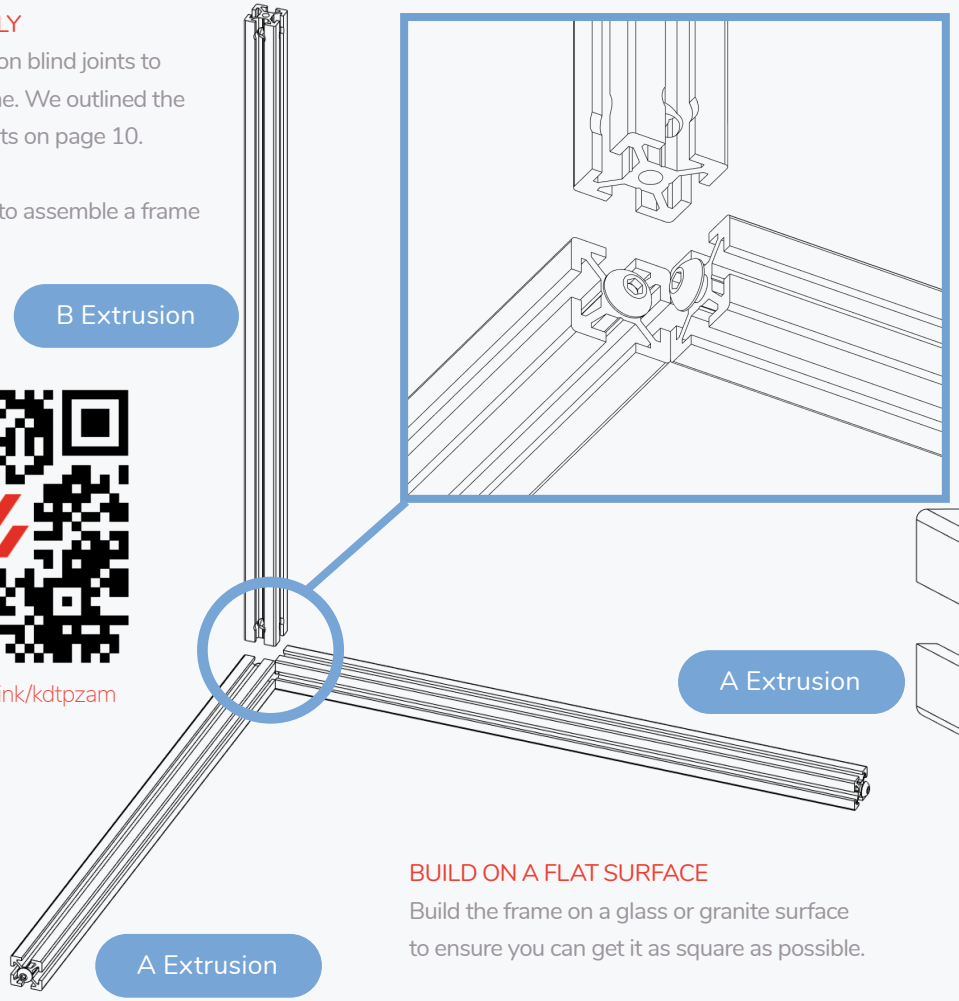
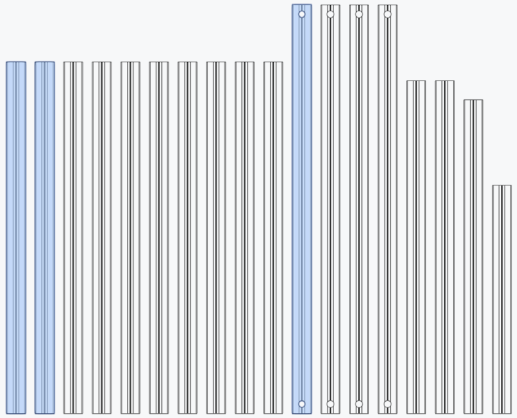
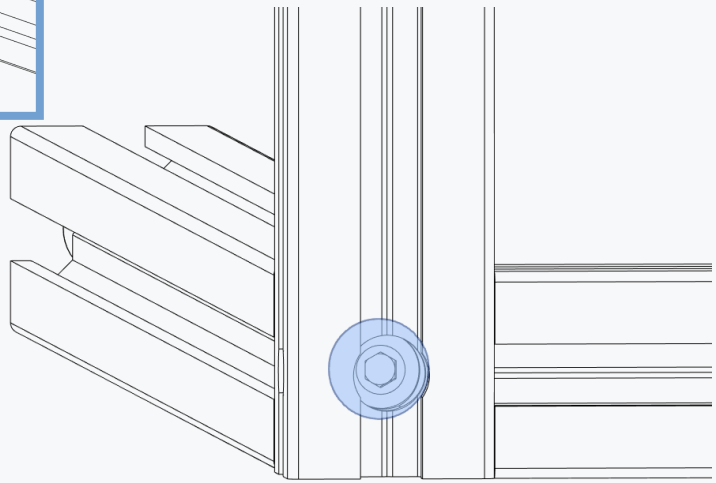
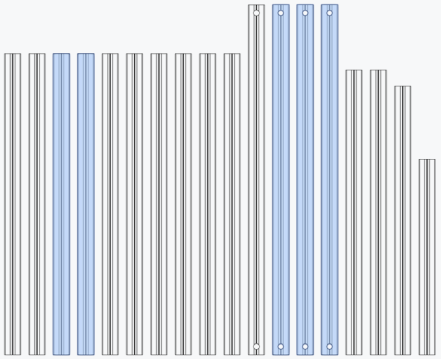


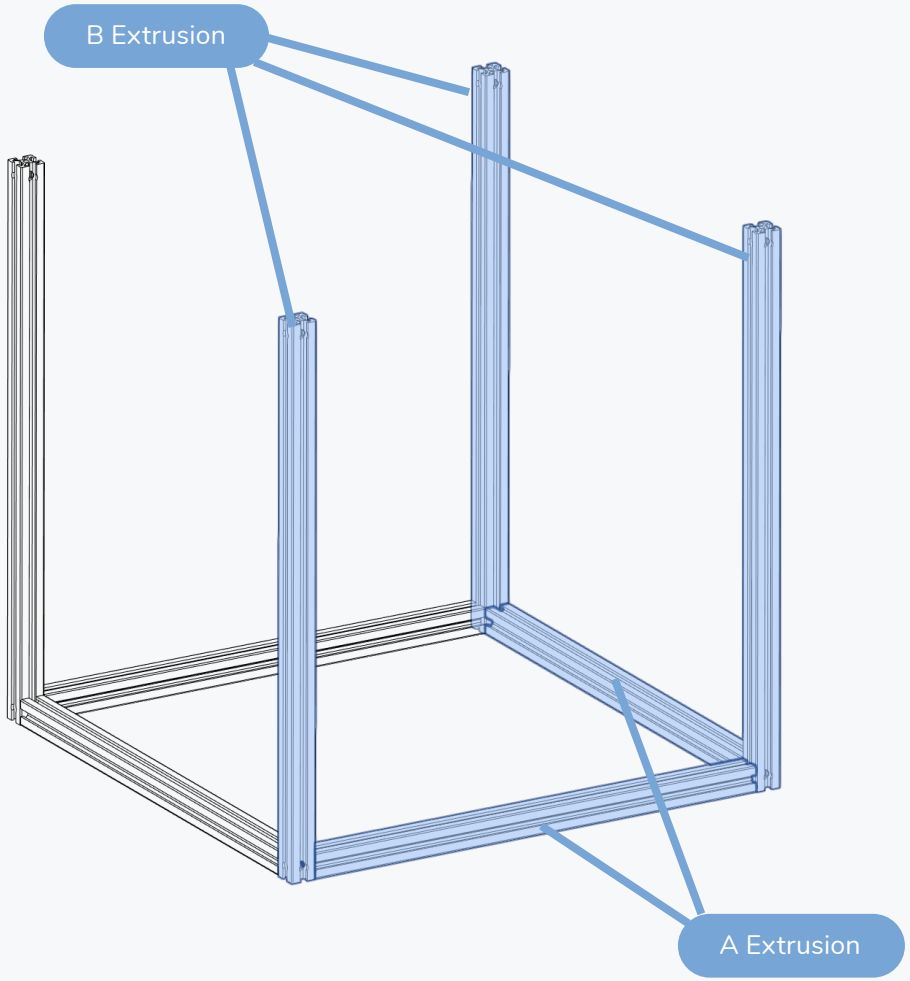


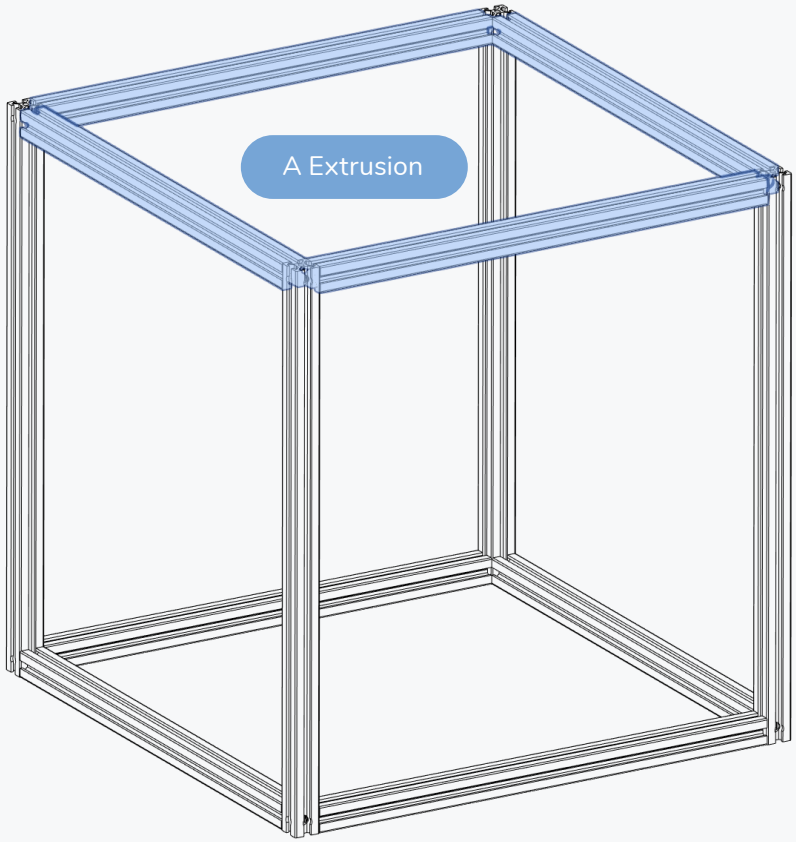


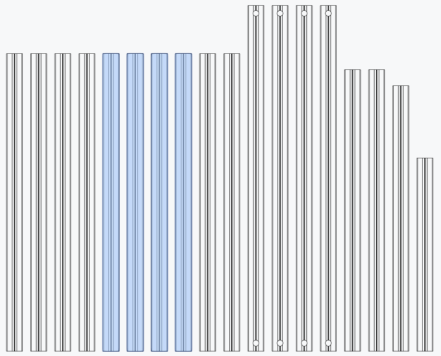
BUILD ON A FLAT SURFACE

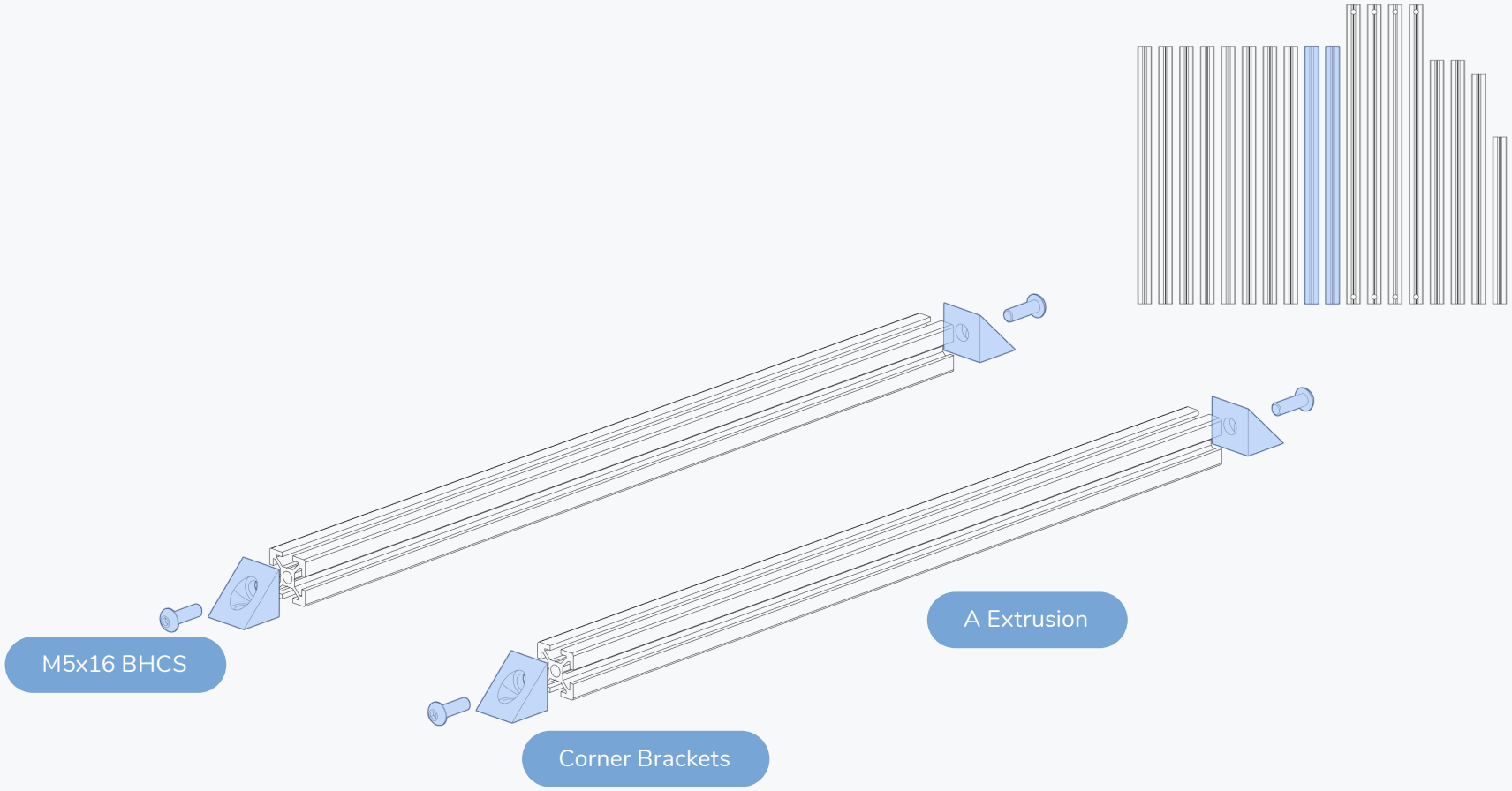
Build the frame on a glass or granite surface to ensure you can get it as square as possible.

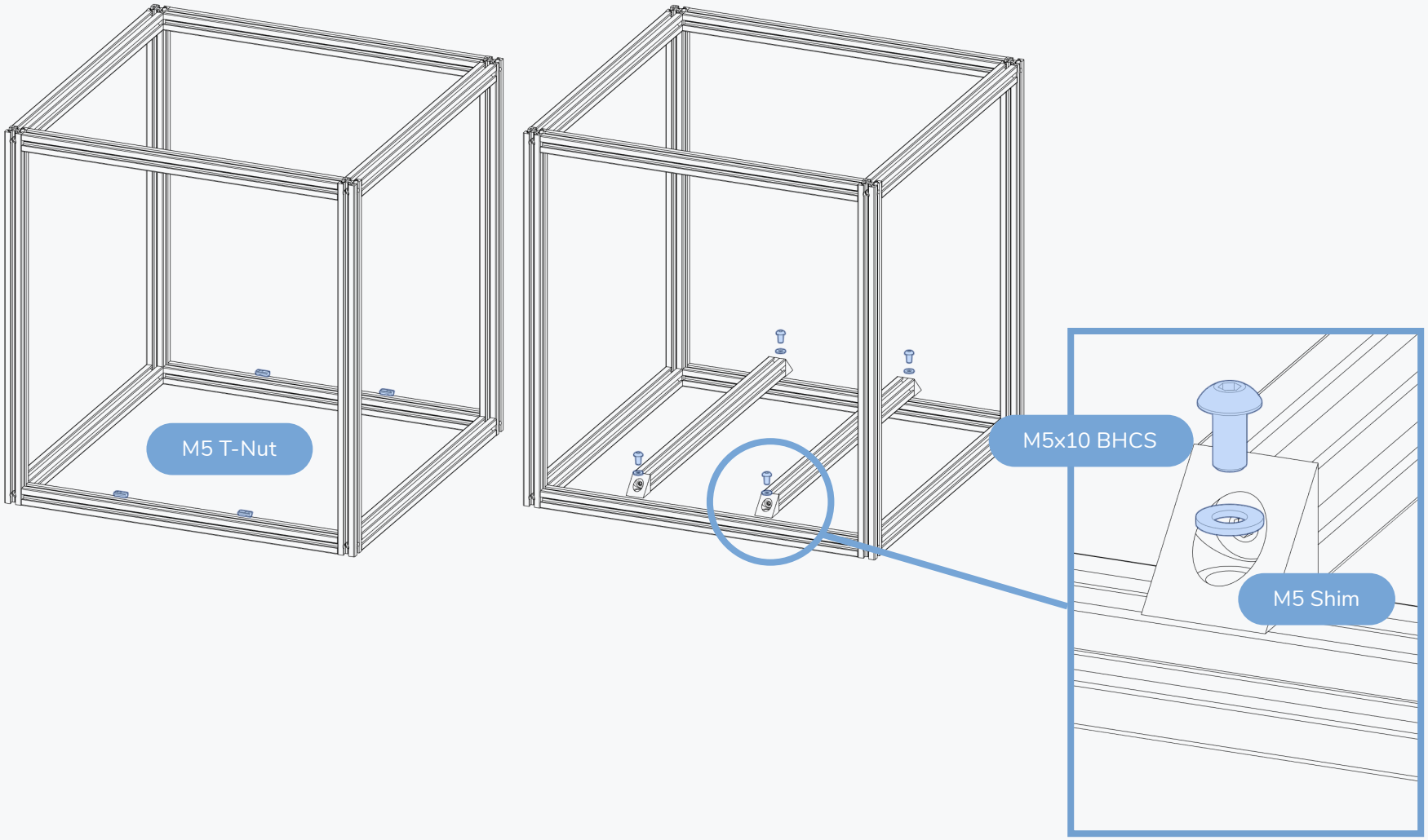



B Extrusion
A Extrusion

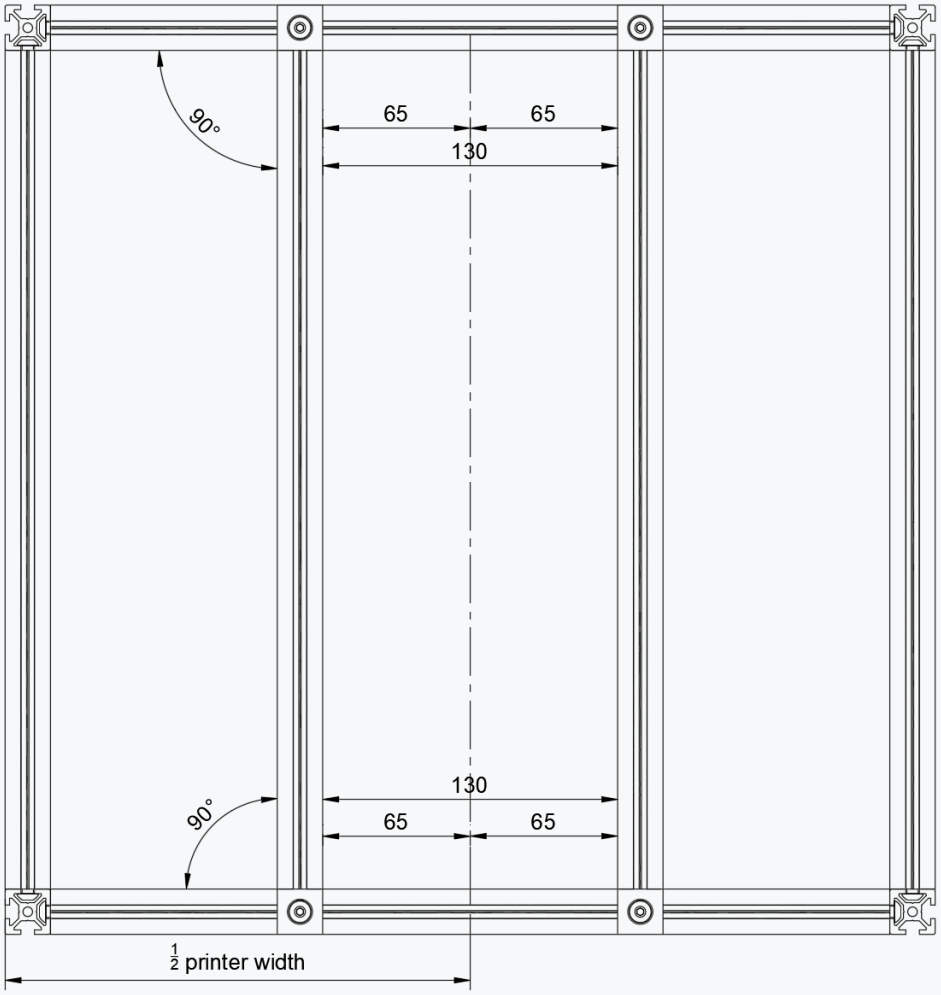

A Extrusion




M5x16 BHCS
A Extrusion
Corner Brackets


M5 T-Nut
M5x10 BHCS
M5 Shim

FRAME



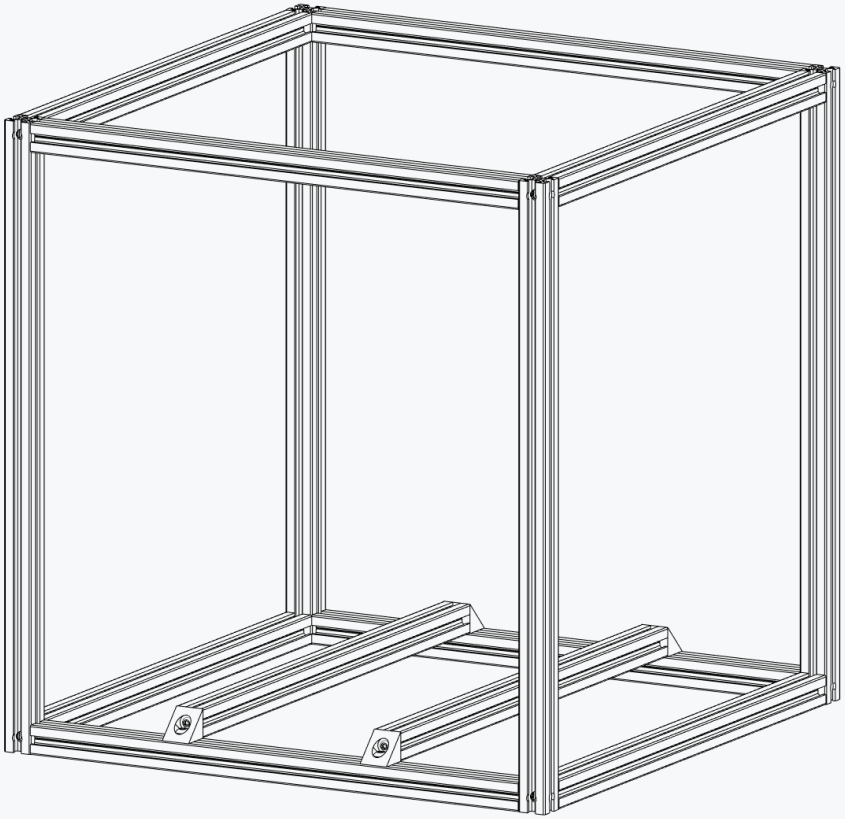
POSITION BED EXTRUSIONS

Find the centreline of the printer and position the bed extrusions as shown in the diagram to the left. The distance between the extrusions is 130mm centred on the centreline of the printer.

1/2 printer width for standard sizes:
250 spec 205mm
300 spec 230mm
350 spec 255mm

ALL UNITS ARE METRIC

If a unit is not specified assume it's metric.
All distances are called out in millimeters.



CHECK FOR SQUARENESS

Verify the angle of all corners and the overall squareness by measuring the diagonals. Refer to the second half of the linked video for additional information.

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