

Airineers Micro Class Racing Gate

The Airineers Micro Class gates are designed to be cut from a single 600x400mm sheet of 5mm acrylic. The download includes both DXF and DTD (2D Design) files which can be used with most laser cutters.

Items needed to complete assembly of a single gate:

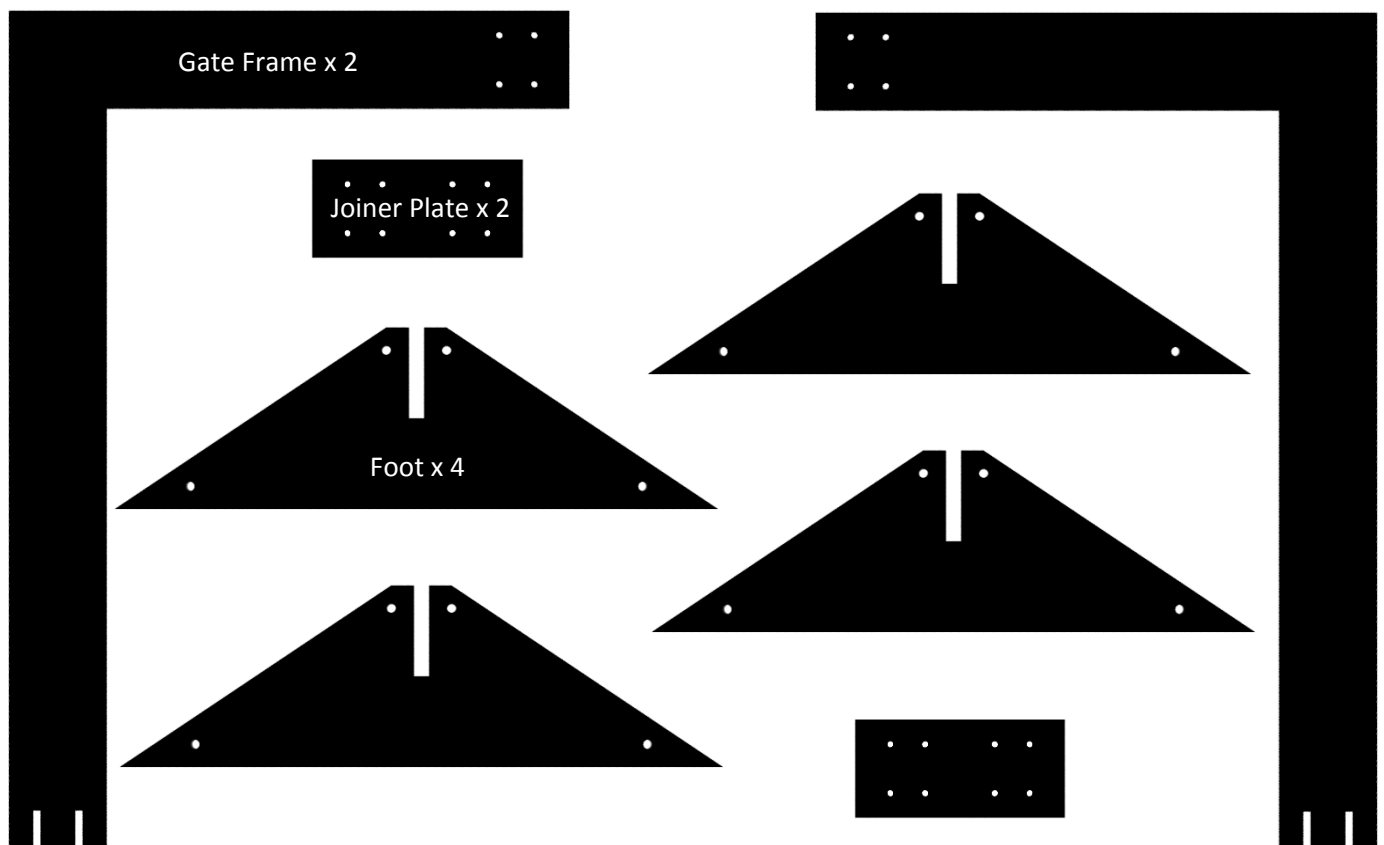
- 1x 5mm thick sheet of 600x400mm acrylic
- 8x M4 screws approx. 20mm long (or VEX 8-32 screws)
- 8x M4 nyloc nuts (or VEX 8-32 nylocs)

Optional items – these are used to make the feet more rigid:

- 8x 25mm M4 threaded hex spacers (or VEX 1" hex spacers)
- 16x M4 screws approx. 10mm long (or short VEX 9-32 screws)

Step 1 – cut the parts with your laser cutter

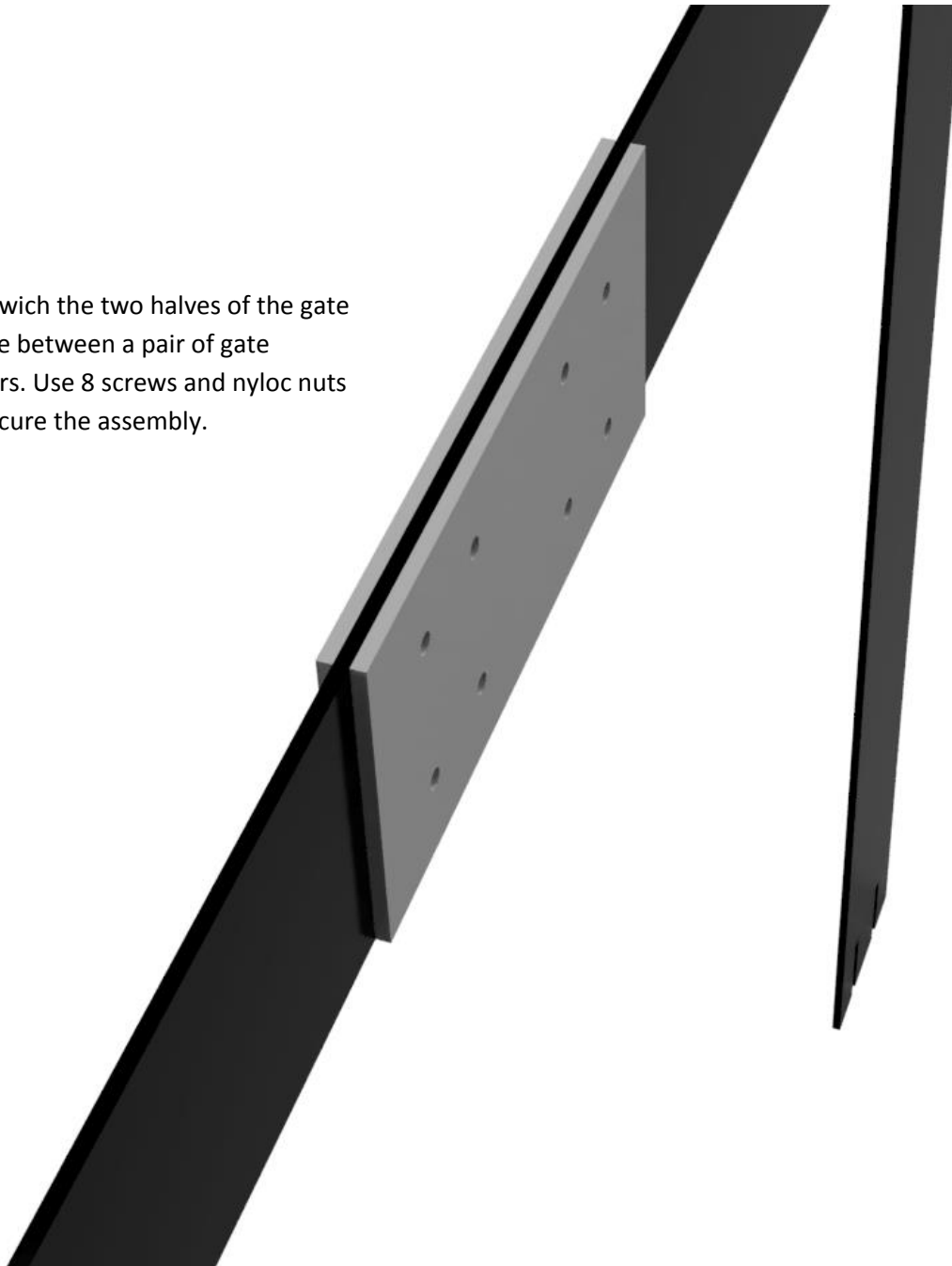
Once you have cut the parts, you should end up with two gate frame halves, two joiner plates and four feet.



Step 2 – screw the two gate halves together

Using the two joiner plates, 20mm M4 screws and nyloc nuts, fix the two halves of the gate together

Sandwich the two halves of the gate frame between a pair of gate joiners. Use 8 screws and nyloc nuts to secure the assembly.



Step 3 – screw the feet together (optional)

This step is optional and makes the gates more rigid. However, they will work fine by just slotting the feet straight on to the gate.

Use 4 threaded hex spacers and 8 M4 screws to complete each foot assembly.



Step 4 – fit the feet

Slot the feet onto the gate to complete the assembly. The feet are a loose fit so they can easily be removed for storage of the gates.



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