



Linear guide



Adam

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Summary

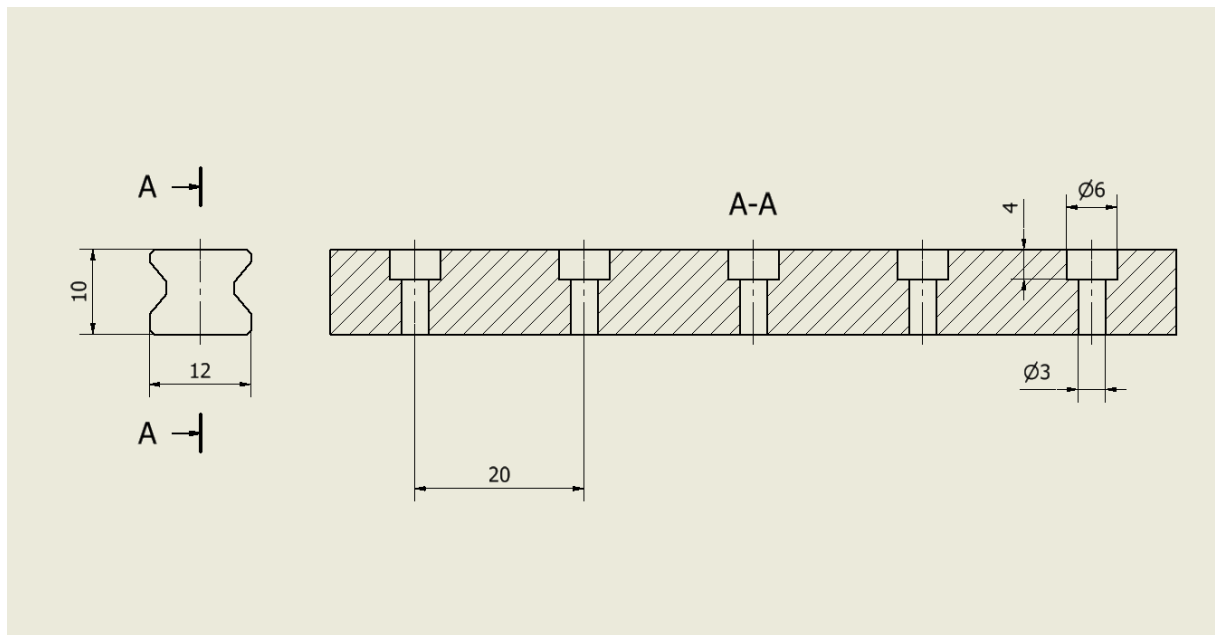
Linear guide rails and linear blocks

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Tags: [linear](#) [rail](#) [linearrail](#)

- Linear guide rails and blocks are used to enable linear motion. The rails are mounted to your base, and the blocks are used to attach and move the component requiring linear movement.
- The rails are in length 40 mm, 60mm, 80mm, 100mm, 120mm, 140mm, 160mm, 180mm and 200mm.
- Choose a linear block based on the clearance between the block and the rail. (clearance 0mm or 0,1mm or 0,2mm). (0mm clearance worked for me).
- The rails have holes designed for M3 hex socket screws (Allen screws).

If you need to adjust any dimensions, let me know. :)



Printing parameters:

Nozzle: 0,4 mm

- Layer height: 0,2 mm

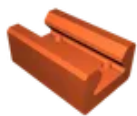
- Perimeters: 2

- Infill: 15%

- Supports: None

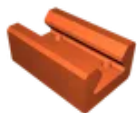
- Filament: PLA

Model files



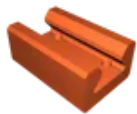
block_00.stl

☐ clearance 0.0 mm



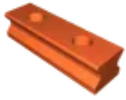
block_01.stl

☐ clearance 0.1 mm



block_02.stl

☐ clearance 0.2 mm



rail_40mm.stl

📐 length of rail = 40mm



rail_60mm.stl

📐 length of rail = 60mm



rail_80mm.stl

📐 length of rail = 80mm



rail_100mm.stl

📐 length of rail = 100mm



rail_120mm.stl

📐 length of rail = 120mm



rail_140mm.stl

📐 length of rail = 140mm



rail_160mm.stl

📐 length of rail = 160mm



rail_180mm.stl

📐 length of rail = 180mm



rail_200mm.stl

📐 length of rail = 200mm

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