



Duplo 2x2 Offset Brick

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Summary

A screw-driven offset brick for adapting Duplo bricks to other things that have non-Duplo brick spacing.



1.02 hrs



1 pcs



0.30 mm



0.40 mm



PLA



13 g



Prusa
MK3/S/S+

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Tags: [duplo](#) [brio](#) [duplocompatible](#) [melissadougtrain](#)

Rationale:

I wanted to be able to use <https://www.prusaprinters.org/prints/26557-wooden-train-brio-ikea-to-duplo-adapters-mini> on Duplo build plates, but the length of the various Brio and Melissa and Doug tracks doesn't correspond to the grid on Duplo.

I started off with a [Duplo brick generator](#) and modelled a part that suited my purposes.

Requires:

M3x20mm socket head screw (such as included in the spare parts with Prusa MK3S)

M3 hex nut (such as included in the spare parts with Prusa MK3S)

Printing Notes:

I printed these with support.

Assembly:

- Remove support material
- Insert captive nut into holder in “Top Brick” (hold in place with a finger)
- Lay head of socket screw in feature on the top of the “Bottom Brick”
- Slide “Top Brick” onto rails of “Bottom Brick” and engage socket head screw with captive nut.
- Tighten to desired position using a hex key.

Model files



top-brick-v3.stl



bottom-brick-v3.stl



duplo-offset-brick.f3z

Print files



offset-brick-v3_02mm_pla_mk3s_1h21m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.30 mm ⌚ 1.02 hrs ⚖️ 13 g 🖨️ Prusa MK3/S/S+

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