



Creality Sermoon-D1 Z-Axis Wobble Suppressor



shadowf@x

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Summary

Upgrade to compensate for small misalignments in the T8 lead screws/ couplings that causes wobbling of the screw.

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Print the parts with thick walls and top/bottom layers (2.4 mm.) Use 40% infill. It needs to be strong.

In addition you will need:

2x 688ZZ (or 688-2RS) ball bearings (8x16x5 mm)

4x M4x10 Allen Head screws with washers

4x M4 T-nuts

4x 15x2 mm O-rings

Assembly instructions:

Strap on 2 O-rings to each bearing and insert them into the bearing cavity

Press fit the bearing caps over each bearing

Mount the each assembly to the corresponding vertical 40x20 Aluminum extrusions.

NOTES:

The brass nuts must have some sideways play on the bed frame for this to work properly.

This will NOT fix a badly bent/misaligned T8 lead screw.

Model files



t8_end_bearing_beam.stl



t8_end_bearing_cap.stl



t8_end_bearing_beam_alignment_tool.stl

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