



Simple Slot Buffer



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Summary

Simple to build and use slot buffer for ERCF/Tradrack

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Inspiration taken from lots of other slot buffers. This is kinda janky but has been working great for me with hundreds of filament changes.

If you make changes to suit your needs PLEASE share it! Even if it's just as janky as my original design it could be useful to someone!

Uses 608 bearing in the wheel

Heatset m3 in the slot for the bearing screw

m3x10 flat/countersunk screw

pc4 m10 bowden couplings

6x3 magnets to hold the slot into the buffer(I don't actually use any magnets and have had zero problems)

I designed around using 2mm acrylic but cardboard works just as good

I've been using superglue on the OD of the bearing to kinda keep it secured to the wheel

Model files



bearing-washer.stl



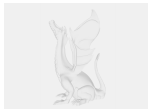
wheel.stl



buffer-frame.stl



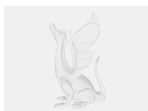
buffer-slot.stl



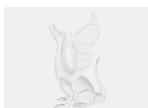
bearing-washer.step



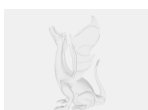
wheel.step



buffer-frame.step



buffer-slot.step



buffer-assembly.step

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