



YOUMAGINE

Improved Kossel Carriage for Deltaprinter or Graber wheels and 1515 extrusions.

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Located at: <http://www.youmagine.com/designs/improved-kossel-carriage-for-deltaprinter-or-graber-wheels-and-1515-extrusions>

Short description:

This works with Kossel or delta style printers and has been tested with both OpenBeam and Misumi 1515 extrusions, as well as with both Graber's and Deltaprinter's wheels. This version offers a number of convenient and functional improvements over the old design.

Description:

<div>This improves on the old one, designed by Graber and BrandonH at:
<http://www.thingiverse.com/thing:110283></div><div>
</div><div>This is an
<i>independent</i> creation, and thus is licensed CC-SA (rather than CC-SA-
NC).</div><div>
</div><div>The improvements are:</div><div>
</div><div>1)
 Aesthetically rounded corners.

</div><div>2) The nut traps are larger, so
you can easily place regular or M3 nyloc nuts into them.

</div><div>3) The M3
bolt holes are larger, so you don't need to drill them out.

</div><div>4) The M3
bolt head holes are recessed deeper, so that none of the bolt heads stick out, and so that you can
use a washer to gain a little extra clearance between the carriage and
extrusions.

</div><div>5) The M3 bolts used for axles are set a little deeper so
that when you use a nyloc nut to hold the rollers on, a reasonable number of threads will
engage.

I printed mine in PLA with 0.2mm layer height, 50% infill, and 3 side layers and 4
top/bottom layers.</div>

If you can, please use the online documentation found at
<http://www.youmagine.com/designs/improved-kossel-carriage-for-deltaprinter-or-graber-wheels-and-1515-extrusions> because those may have been updated. Also, there you can interact and provide praise and/or feedback.