

## Hotwheels start gate



matthew s

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### Summary

Based off of two other projects mostly because I didn't want to by m4 heatset inserts.

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I made a few changes to a really cool project, take a look at the remote raceway project.

#### Changes

1. Removed the need for M4 heat set inserts, I changed to holes so a M3 bolt with self tap in
2. I added two screw holes to the lifter, once internal pieces are installed, tighten the screws and it will make a good connection to the starter. I found that more than one connection between lanes would cause binding, So I just use the stick between each of the lifters.
3. I redesigned the track piece, I prefer the connectors built into the printed track pieces
4. I redesigned the front and back plate for a 2 lane setup, makes this much easier to build if all you make are two lane sets.
5. I changed the servo mount, now uses a M3x20 set screw.

6. I changed how it can mount to a Hotwheels mount, I combined the parts from several Thingiverse Hotwheels clamps in this set.
7. 3mf files showing the print orientation I used.

I have given away each build as birthday presents, so currently don't have any complete pictures.

## This remix is based on



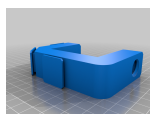
### Diecast Remote Raceway - Starting Gate

by tqmaker



### The 1/64 Diecast Car n-Lanes Starter Box

by capsurfer



### Hot Wheels Clamp 3-way

by LukeMurphey

## Model files



print orientation examples

3 files

clamp-parts.3mf



support-free-parts.3mf





**build-plate-supported-parts.3mf**



**mount-to-hotwheels-track-mount.stl**



**starter.stl**



**servo-knob.stl**



**m3-screw-based-lifter.stl**



**two-lane-back-plate-with-mount.stl**



**track.stl**



**servo-box.stl**

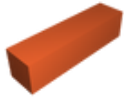


**two-lane-front-plate.stl**



**box.stl**

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**connector\_short.stl**

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**hotwheels-clamp.stl**

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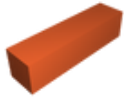
**hotwheels-clamp-screw.stl**

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**two-lane-back-cover-no-mount.stl**

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**connector\_short.stl**

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