

608 BEARING V2



Random engineer

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Summary

I am trying to make a full print in place 608 bearing

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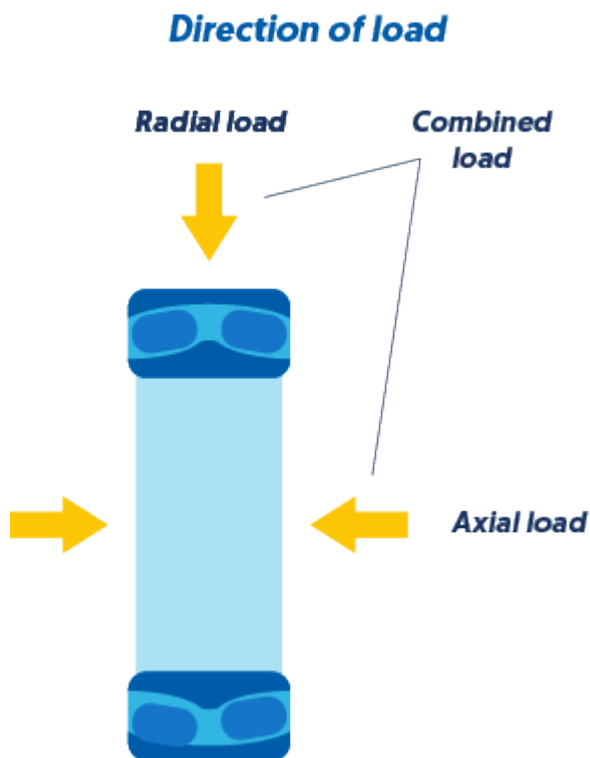
Work in progress

So don't expect this to work as well as a steel bearing. It is a bit of a pain to get the bearing to work after your print is finished. but it will act as a bearing once you finish it. And spins really well. There are some reports of makes that de bearing falls apart I think this has to do with the tolerances of my printer being not the greatest.

Version 2:

so a bit sooner than expected but here is version 2 of the 608 bearings. I chanced the mates of the ball bearings in the model so the chance of them fusing together is less. Also changed the dimensions of the "ball" so the fit is a bit less tight and the chance of it fusing together is less likely to happen.

After some testing, i concluded this type of bearing is great for Radial load design. If there is some axial load on the bearing it's more likely to jam. In future updates, I will try to improve on this. In the picture below is a picture to more clear what axial load is and what radial load is.



Print settings:

layer height: 0.12mm

supports: no

Printing speed: just go with regular printing speeds this will make it easier in the end

brim/ raft: no (unless your first layer is really bad then yes)

material: i used PLA

Print is finished

after when the print is finished the fun part begins :)

You will need to move all bearing on by one in other to break them fully loose. This can be done whit a pen or any other small pointy object.

After you break them loos you will notice the bearing is probably still stuck. You will just need to play around with the bearing in other to let it run smoothly. This can be done by attaching it to an axle and just rolling it around like a fidget toy. You can also apply pressure on the sides or push

the inner ring out of the bearing BUT not FULLY, So be careful how much pressure you apply on that side.

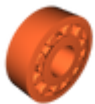
This remix is based on



608 bearing Version 1

by Random engineer

Model files



608-assembly-version-2.stl

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