



## Tumbler Roller Sharpener aka HORL



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## Summary

copycat of HORL sharpening system

[Household](#) > [Kitchen](#)

Tags: [fixepencilsharpener](#) [knifesharpener](#) [horl](#)

Copycat of HORL sharpening system, easy to print, no supports.

Printed in PLA, infill at your choice, in my case all has 15% gyroid, 3 perimeters.

Orings best in TPU hardness 95A, really good fit and no mess to install.

Parts are oriented for easy printing, Better use glass for a good finish in end caps

Just need to cut round sandpaper, best use at least 2000 grit, best 4000 or 6000 for better results. Can be glued or double side tape. Also can print several end caps with different grits for best finish

Magnets in angle block are 12x2.5mm neodimium.

Basically kitchen knives of any quality can be sharpened at 20°. However, depending on the condition of the blade and the quality of the steel, many knives are able to achieve even finer sharpness at 15°. To find out whether

a particular knife is suitable for this purpose, sharpen the 15° side for 2-3 minutes. If the sharpness is not satisfactory, it is recommended to use the 20° grinding angle.

best results with diamond file

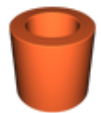
<https://es.aliexpress.com/item/4000688967053.html>

hope you enjoy

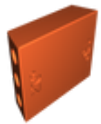
## Model files



**tpu-orring-x2.stl**



**handler.stl**



**angle-block.stl**



**endcap-x2.stl**



**center.stl**



**sharpener-v10.f3d**

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