



270 degree Door Hinge for Creality K1

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[VIEW IN BROWSER](#)

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Summary

A pair of hinges that allows the front door of Creality K1 to swing open 270 degrees. #printinplace

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[5 Dec 2023 short update] Known Issues:

A.) This is designed for K1, I don't own K1 max, not sure if it will fit, there are K1 max version 270 hinges done by others also available on Printables.

B.) PLA will work, but recommend PETG or ASA, infill 30%+

C.) If your PIP version have squeak noise, probably the flow setting is a bit off, or just add some lubricate to let it break-in naturally.

D.) If your door bend slightly with PIP version, the heat set insert are probably not installed accurately. Please use the detachable door version if possible. the detachable door 270 hinge can overcome the human tolerance error on installing heat set inserts. OR you can don't use the heat set inserts, just use a longer screw with normal nuts.

I am using this type of insert, the hole fits the tip, so it aligns on itself when i press down



But some peoples use this type of insert, hard to control the final position.



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I have designed two versions, one print in place and the other one is detachable

Both version have been print and tested. Do not use any brim or skirt for both versions.

For both version, you will need

1.) M3x8 screws - 4pcs (the original side screws are not long enough)

2a.) M3 nut and M3x6 screw - 4sets; OR

2b.) M3x3 heat set insert - 4pcs (to use back the original glass door screws)

Please note there are rubber sleeve on the original screw.

I think they need to be use back to absorb vibration to protect the glass

For detachable door version, you will need extra

1.) M4 nut and M4x25 screw - 2sets

If you also want a door catcher, I have designed one with magnet as well:

<https://www.printables.com/model/524833-magnetic-door-catcher-for-creality-k1>

Model files



k1-270degree-hinge_detachable_v12.3mf

☐ changed the vertical circles into octagon for easier/nicer printing



k1-270degree-hinge-print-in-place_v12.3mf

☐ changed the vertical circles into octagon for easier/nicer printing

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