



## Improved Blender Base (Hamilton Beach)



LoboCNC

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### Summary

I've owned several blenders over the years, and invariably, the screw-on base ring ends up cracking in one of two...

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I've owned several blenders over the years, and invariably, the screw-on base ring ends up cracking in one of two ways: either it splits vertically at the top edge, or it splits horizontally where the blender jar bottoms out against inside of the ring. I've also had the threads start skipping because of minimal thread engagement with the jar.

This design fixes all three problems. It adds a reinforcing ring at the top to prevent vertical cracks at the top edge. The added height also provides more thread engagement with the jar. And it eliminates 8 of the 12 vertical notches (only 4 are needed) to provide more material in the area prone to horizontal cracks.

Fits most Hamilton Beach blenders.

**UPDATE:** Turns out Hamilton Beach makes blenders with 3 ribs instead of 4 (who knew?), so I've added a version with three slots around the perimeter instead of 4.

### Printing

I recommend printing in PLA as it tends to give you the best layer adhesion, which is critical the the integrity of this part. Use a 0.2mm layer height and at least 4 or 5 perimeter lines for a full-strength part.

Category: Kitchen & Dining

## Model files



**blenderbase.stl**



**blenderbase\_3.stl**

[Find source .stl files on Thingiverse.com](#)

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