

Sofirn HS20 mount for Skilhunt HB3 headband



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Summary

Too lazy to model this from scratch right now, so moved the HS20 holder profile to the HB3 modular mount profile.

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Tags: [light](#) [flashlight](#) [headlamp](#) [sofirn](#) [hd15](#) [hb3](#)
[wurrkos](#) [hs20](#)

Not much to say, too lazy to model this from scratch right now, so I mated the HS20 holder contour profile to the HB3 modular mount profile. Re adjusted the preloaded downward angle on the light by about 15 degrees, better field of view for the flood light, but still adjust up for good throw. Removed centering bars from mount surface to ease fitment. Clipped one end off flush with the mount block simply to be able to print it flat on that end with no supports. Still holds the light tight, and centered, balances fine.

I had some issues fitting the HB3 side to the mating plate on the mount, Not sure if its the file from [@Spicy3d_293895](#) being a tad oversize(0.6 to 1mm), to my headband, or printer accuracy on my end... Most likely the later ;). At any rate, I recammend you print a ~6mm or 8mm test slice off the end to check fit to the headband plate. (PLA is Harder than the HB3 Plastic, on mine it etched layer lines into the HB3, and clipped off a locking

tab-- DONT FORCE a too tight part! Play with the scale in the slicer to get a good fit!

I have added a second tolerance fit, scaled down the HB3 mount base in height, for a nicer, looser easier fit. Still, might need tweaking in scale %age depending on your printer.

Should scale by a few percent to adjust the base without effecting the light holding tension.

As an added bonus, the mount fits a Wurrkos HD15 perfectly as well. (and also should fit any other Sofirn or Wurrkos 18650 light; almost all of them use the same body tubes)

I printed in Hatchbox PLA, 0.3mm layers at 0.4mm walls, 2 walls, 9% gyroid infill, good tension on the light, but not about to break either.

This remix is based on



Mountainbike front light holder Sofirn HS20 / HS 20

by FuWeissinger



Zebralight H600 holder for Skilhunt HB3 headband

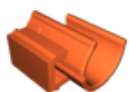
by Spicy3d

Model files



hs20-hb3-mount.stl

☐ Original sizes/tolerances from both base models.



hs20-hb3-mount-scaled.stl

☐ Scaled down the HB3 mating base, but Not the flashlight holder. Better fit to my setup.

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