

Tee-pipe 100mm inner diameter with mounts and cover



Hannibal

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Summary

I use this pipe for ventilation of my FDM printer and my laser engraver.

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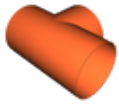
I use this pipe for ventilation of my FDM printer and my laser engraver. With the cap I can select if the printer or the engraver needs to be ventilated. See pictures

Note that there are two mounts: one with 100mm outer diameter that fits the Tee-piece and one with 106mm diameter that fits the cap.

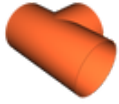
Tip: cut a piece of rubber as an inlay for in the caps to make it more airtight.

I printed this with PETG (brand: CST) on a Prusa Bear with 0.6 nozzle. A 0.4 nozzle looks better but takes longer.

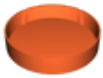
Model files



tee-piece-100mm-inner-diameter-3mm-thickness.stl



tee-piece-pipe-100mm-inner-diameter-3mm-thickness.stl



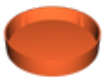
pipe-cover-106mm-inner-diameter.stl



100mm-all-pieces-exploding-view.stl



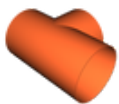
pipe-mount-100mm-outer-diameter.stl



pipe-cover-106mm-inner-diameter.stl



pipe-mount-106mm-outer-diameter.stl



tee-piece-pipe-100mm-inner-diameter-3mm-thickness.stl

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