



Wallace, 6" f/2.8 telescope

c

chantepierre

[VIEW IN BROWSER](#)

updated 9. 10. 2025 | published 9. 10. 2025

Summary

My printed 6" (155mm physical diameter) f/2.8 telescope's models.
Printed on a bambu P1S in ASA.

[Learning](#) > [Physics & Astronomy](#)

Tags: [telescope](#)

Want a practical, ready-to-print 150mm f/5 telescope because you cannot find a f/2.8 mirror ? Check out this project instead, that uses commonly available parts and is thought for ease of use : <https://www.printables.com/model/1325533-smallest-telescope-kit-for-150750>

BOM :

- 1x primary mirror, 155mm physical diameter, 430mm focal length
- 1x GSO 4 element coma corrector
- 1x 360mm vixen-like dovetail
- 1x 54mm secondary mirror
- 6x 5mm * 500mm carbon rod (cut to length)
- 3x 1mm thick, at least 7.5mm large, aluminum plates (focuser plates)
- 4x M4 * 16mm screw (focuser bearings)
- 4x 623ZZ bearing (focuser bearings)
- 4x M4 * 30 screw (focuser mounting)

- 3x M3 * 16 screw (corrector mounting hub)
- 2x M5 nylon pressure screw
- 1x 3mm smooth rod (focuser pinion)
- 3x 2mm steel nail (mirror cell lever axis)
- 4x M4 * 45 screw (mirror cell collimation, secondary hub)
- 6x M4 washer (mirror cell collimation)
- 3x heavy duty spring (mirror cell collimation)
- 1x lighter spring (secondary mirror collimation)
- 1x M4 nut (secondary mirror collimation)
- 3x M3 * 50mm screw (secondary mirror collimation)
- 10mm x 1mm thick carbon flat (spider vanes)
- Cyanoacrylate glue
- 16 M3x12 screws (backplate mounting)

Model files

mirror_cell_lever.stl



Print 3 of this

mirror_cell_ping.stl



Print 6 of this

mirror_cell_ring.stl



focuser_tube.stl



mirror_cell.stl



secondary_hub.stl



lower_cage.stl



pusher_block.stl



mirror_cell_mounting_ring.stl



collimation_screw.stl



secondary_collimation.stl



corrector_mounting_ring.stl



upper_cage.stl



corrector_hub.stl



focuser.stl



focuser_handle.stl



anti-fall.stl



License ©

This work is licensed under a
[Creative Commons \(4.0 International License\)](#)



[Attribution—Noncommercial—Share Alike](#)

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition