

# Printing guide

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Draft content: measurements and settings will be updated as they are verified on the arm.

All parts are designed for desktop FDM printers. The cycloidal discs are printed in PETG, the other parts in PLA. Bearing seats are dimension-sensitive; before printing the full set, check the bearing fit with a single test part.

|          |                                                                |
|----------|----------------------------------------------------------------|
| MATERIAL | Cycloidal discs in PETG; housing, cover and other parts in PLA |
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|              |                                                   |
|--------------|---------------------------------------------------|
| LAYER HEIGHT | 0.2 mm (0.12–0.16 mm is better for bearing seats) |
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|        |                                          |
|--------|------------------------------------------|
| INFILL | 30% gyroid; 60%+ for the eccentric shaft |
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|       |              |
|-------|--------------|
| WALLS | 4 perimeters |
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|          |                                                           |
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| SUPPORTS | Not needed; parts are oriented with flat faces on the bed |
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## Reducer parts list

- Housing and cover
- Cycloidal disc × 2 (PETG)
- Eccentric shaft
- Bearing support
- NEMA17 motor flange