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Link do produktu: https://blackfrog.pl/ekstruder-ldo-orbiter-v15-dual-drive-direct-extruder-p-2395.html



Ekstruder LDO Orbiter V1.5 Dual Drive Direct Extruder

Cena brutto	**249,00 zł**
Cena netto	**202,44 zł**
Dostępność	**Dostępny**
Czas wysyłki	**48 godzin**
Numer katalogowy	**ldo_orbiter**
Kod EAN	**3578783370000**
Producent	**LDO Motors**

Opis produktu

The LDO Orbiter V1.5 Dual Drive Direct Extruder as seen on Thingiverse. Designed by Dr. Lorincz Rober in cooperation with LDO.

Features:

- Compatible with flexible filament
- Reduced stringing compared with bowden extruder
- LDO HT motor, which is rated for 180°C and allows for faster acceleration and direction change
- Only ~150g weight, resulting in increased print speeds without sacrificing quality.
- Glass fiber reinforced nylon injection molding parts instead of printed parts for housing, more robust/durable
- DuPont Delrin injection molded gear, longer lifespan
- Hardened steel dual drive gear provides bigger feeding force for filament
- Recommend stepper current 0.35A RMS, don't exceed 0.5A

What's changed from v1

- DuPont Delrin molded planetary gears
- Glass fiber reinforced Nylon housing and latch
- Filament guide part of the extruder housing
- PTFE tube connector on top
- **New stepper motor LDO-36STH20-1004AHG - 20mm long with more torque (included in set)**
- Some internal bearings dimensions has been changed to simplify assembly and improve the molding process quality

Firmware configuration

- Stepps: 650-700 steps/mm at 16 micro-stepping
- Acceleration: 600 mm/s^2
- Maximum instantaneous speed change (jerk): 300 mm/min(RRF), 5 (Marlin)
- Maximum speed: 3600 mm/min
- Pressure advance: 0.02s
- Retraction: ~1.2mm
- Retraction speed: 60mm/s
- Motor current:
  - **0.5A Peak or 0.35A RMS** (LDO-36STH17-1004AHG and LDO-36STH20-0504AHG)
  - **1A Peak or 0.7A RMS** (LDO-36STH20-1004AHG)

NOTE: Please pay attention which current type your firmware is configuring and set accordingly:

- Marlin and Klipper firmware RMS currents are configured
- Reprap firmware for the Duet family Peak currents are configured

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