Bouncer – Parts

Spare parts for the 3" Rotorama Bouncer frame
User Manual



Read the safety instructions in Chapter 2.1 before assembly. Keep this manual for future reference.

Rotorama, s.r.o. · www.rotorama.com

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1. Product description

1.1 Purpose

Rotorama Bouncer – Parts are genuine spare and add-on parts for the **Rotorama Bouncer** frame – a 3" Cinewhoop-style frame designed mainly for capturing smooth footage with an HD camera. Thanks to the prop guards (ducts) around the propellers, you can fly close to obstacles; if you hit something, the drone simply bounces off and can keep flying.

The parts are used to repair the frame after a crash (cracked plate, arm or prop guard), to replace missing hardware and to adapt the frame for a different camera or a DJI digital video system. Each variant (the *Type* option in the e-shop) is sold separately, so you only replace what is damaged.



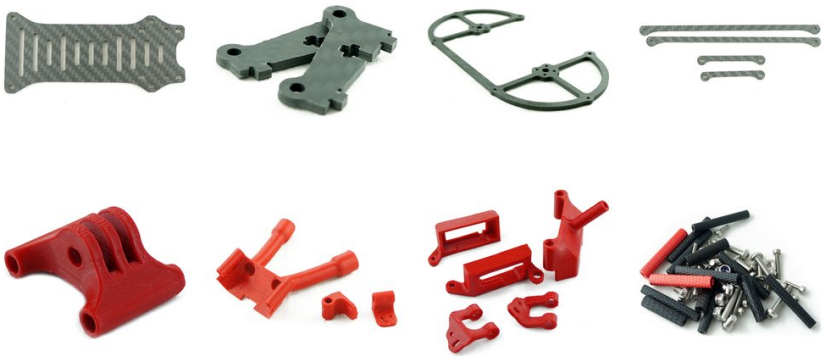
Assembled Rotorama Bouncer frame

1.2 Technical data and package contents

Intended for	Rotorama Bouncer frame (3" Cinewhoop)
Frame parts material	carbon fibre
Carbon thickness	bottom arms 3 mm, other carbon parts 2 mm
3D-printed parts	camera and antenna mounts; DJI FPV kit: Flexfill 98A material, red
Maximum propeller size of the frame	3"
Motor mounting holes	12 mm, M2
Package contents	part or set of parts according to the selected variant (Type), see Chapter 1.3
Not included	motors, propellers, electronics (FC, ESC, VTX, receiver, camera), battery, tools and other frame parts; screws and standoffs only in the Hardware variant
Product identification	Rotorama Bouncer – Parts, variant (Type) as ordered

1.3 Overview of variants

Variant (Type)	Description
Top plate	carbon plate of the upper part of the frame (2 mm)
Bottom plate	carbon plate of the lower part of the frame (2 mm)
Arm	bottom frame arm made of 3 mm carbon
Prop guard	carbon prop guard (duct) around the propellers (2 mm)
Set of reinforcements	carbon braces that increase frame stiffness; the frame can also be built without them to save weight
2x držák HD kamery (2× HD camera mount)	two 3D-printed parts for mounting an HD camera on the top plate
SMA Antenna mount	3D-printed part for mounting an antenna with an SMA connector
HD Cam držák (HD camera mount)	3D-printed HD camera mount
Micro FPV Cam držák (Micro FPV camera mount)	3D-printed mount for a Micro-size FPV camera
Hardware	screws, standoffs and nuts for assembling the frame
Sada pro DJI FPV (DJI FPV kit)	camera and antenna mount for the DJI FPV Air Unit: 1× antenna mount, 2× camera mount (Flexfill 98A, red)
Sada pro DJI O3 (DJI O3 kit)	parts for mounting the DJI O3 system on the Bouncer frame



Examples of parts from the range (illustrative photos)

2. Use

2.1 Safety when working with the parts

- Before any work on the drone, **disconnect the battery** and **remove the propellers**. Never work on a drone with the battery connected.
- **Carbon fibre is electrically conductive.** Sharp edges of carbon parts can wear through cable insulation and cause a short circuit. Route cables so that they do not rub against the edges and protect them at contact points (heat-shrink tubing, tape).
- The edges of carbon parts can be sharp – take care not to cut yourself when handling them.
- Do not sand, drill or cut carbon parts without protection. Carbon dust irritates the skin and respiratory tract – wear a respirator and gloves, preferably work wet, and clean up the dust thoroughly.
- Replace any cracked, delaminated or otherwise damaged frame part. Do not fly with a damaged frame.
- Keep small parts (screws, nuts, standoffs) out of the reach of children – they could be inhaled or swallowed.

2.2 Replacing a part

① Disconnect the battery and remove the propellers.

② Take photos of the frame before disassembly. This will make reassembly, cable routing and part orientation easier.

③ Loosen and remove the screws holding the damaged part. Put the screws and standoffs aside according to where you removed them.

④ If electronics are mounted on the part (flight controller (FC), motors, camera, video transmitter (VTX)), carefully release them. Do not pull or bend the cables.

⑤ Fit the new part in the same orientation as the original one and screw it back in place.

⑥ Tighten the screws with care. An overtightened screw can damage the carbon part or strip the thread; a loose screw will work loose in flight.

2.3 Check after replacement

- The frame is rigid, has no play, nothing rattles and all screws are tight.
- The motors spin freely and nothing touches them.
- No cable rubs against a carbon edge or reaches into the propeller area.
- Once fitted, the propellers spin freely and do not touch the prop guard.
- The camera and antennas are firmly attached and out of reach of the propellers.
- After the replacement, make a short test flight in a safe area.

2.4 3D-printed parts

The HD camera mount attachment on the top plate is the same as on the **Rotorama Spectre** frame. If you have printed HD camera mounts for the Spectre, you can use them on the Bouncer frame as well.

Rotorama has published the 3D-printable models of the parts on Thingiverse: www.thingiverse.com/thing:4104200.

3D-printed parts can be damaged in a crash. Replace a cracked or deformed mount so that the camera or antenna cannot come loose in flight.

3. Information for the EU and Czech Market

3.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.com

3.2 Disposal

- The parts contain no electronics or batteries and are not electrical equipment. Take-back of electrical equipment does not apply to them.
- Dispose of unneeded or damaged carbon parts and 3D-printed parts in mixed municipal waste or at a collection yard according to the rules of your municipality. Do not burn carbon parts.
- Sort the product packaging by material (paper, plastic).
- Outside the Czech Republic, follow the waste regulations of the country in which you dispose of the parts.

4. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 3.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.