ROTORAMA

Aluminium Standoffs M3

Spacer standoffs for drone frames · pack of 10
User manual



Read this manual before assembly. The product contains small parts – keep it out of the reach of small children.

Rotorama, s.r.o. · www.rotorama.cz

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1. Product description

1.1 What it is for

The aluminium standoffs provide a robust connection between the bottom and top plates of a drone frame. They keep the plates at a fixed distance given by the standoff length, creating space for the electronics mounted between the plates.

Each standoff has a round profile and an internal M3 thread at both ends, into which the M3 screws passing through the frame plates are driven. The standoffs are sold in packs of 10 in several lengths; the length and colour correspond to the variant selected at purchase.



Aluminium standoffs M3 (illustrative photo; length depends on the selected variant)

1.2 Technical data and package contents

Product designation	Hliníkové sloupky M3 10ks (Aluminium standoffs M3, 10 pcs)
Material	aluminium
Profile	round
Threads	M3, internal at both ends
Outer diameter	5 mm
Length	according to the selected variant (6–75 mm available)
Colour	black or red (depending on the variant)
Package contents	10× standoff
Not included	M3 screws, tools, frame

2. Use

2.1 What you will need

- standoffs of the selected length – one for each point where the plates are joined,
- M3 screws – two per standoff (one from each side); choose the length according to the plate thickness (see Chapter 2.3),
- a screwdriver or hex key matching the screw heads,
- optionally a medium-strength threadlocker.

2.2 Step-by-step assembly

① Place the bottom frame plate on a clean, flat surface. Insert an M3 screw from below through each hole where a standoff is to be fitted.

② Screw a standoff onto each screw and for now tighten it by hand only.

③ Fit the electronics between the plates according to the frame instructions. Then place the top plate so that its holes line up with the standoffs.

④ From above, drive a second screw into each standoff. First snug all screws lightly, then tighten them gently one after another in a crosswise pattern.

※ The thread in an aluminium standoff strips easily if excessive force is applied. Do not overtighten the screws.

2.3 Choosing standoff and screw length

- The standoff length is determined by the frame – follow the frame manufacturer's recommendation. There must be enough room between the plates for the electronics, including cables and connectors, so that the top plate does not press on them.
- All standoffs between two plates must have the same length, otherwise the plate will bend when tightened.
- The screw must engage the standoff thread sufficiently but must not meet the screw from the opposite side inside it. If the screws touch inside the standoff, the joint cannot be tightened properly – use a shorter screw.

2.4 Safety and care

- The product is intended for persons aged 14 and over.
- Keep small parts out of the reach of small children – they may be swallowed.
- Aluminium is electrically conductive. Make sure the standoff does not touch solder joints, contacts or uninsulated wires – risk of short circuit.
- Check the standoffs after every crash. Replace any bent or cracked standoff and any standoff with a stripped thread.
- When operating a drone, observe the applicable regulations; the law of the country in which you operate the drone is decisive.

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.cz

3.2 Disposal

The product contains no electronics or batteries and is not subject to the take-back scheme for electrical equipment. Hand in standoffs you no longer need for metal recycling in accordance with the rules of your municipality.

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.