M3 Nut – Polyamide

M3 plastic hex nuts, pack of 10
User Manual



Read this manual before use and keep it for future reference.

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1. Product description

1.1 What it is for

A set of ten plastic hex nuts with an M3 thread, made of polyamide. The nuts secure M3 screw joints – in FPV model building typically for mounting electronics boards (flight controller (FC), electronic speed controller (ESC), video transmitter (VTX)) on M3 screws or standoffs, or for attaching other accessories to the frame.

Polyamide is a lightweight, electrically non-conductive material. A plastic nut therefore does not cause a short circuit when it touches a circuit board, and it saves weight compared with a metal nut. However, it is considerably weaker than a steel nut – it is intended for lightly loaded joints, not for load-bearing frame joints.



M3 polyamide nuts

1.2 Technical data and package contents

Type	hex nut
Thread	M3 (metric), pitch 0.5 mm
Wrench size	5.5 mm
Nut height	2.4 mm
Material	polyamide
Package contents	10× M3 nut
Not included	screws, standoffs, washers, tools
Product designation	M3 Nut – Polyamide (10 pcs)

Dimensions according to the supplier's data for the Bossard BN 81 nut, M3.

2. Use

2.1 Installation

① Check that the screw or standoff has a metric M3 thread. The nut does not fit any other thread and will be destroyed if forced on.

② Place the nut squarely on the end of the thread and turn it on a few turns by hand. The nut must turn easily – if it binds, it is cross-threaded; unscrew it and start again.

③ Tighten the nut gently, preferably with a 5.5 mm nut driver or by hand. Tighten only enough for the joint to hold and the parts not to wobble.

④ Be just as careful when loosening. Replace a damaged nut (stripped thread, crack) with a new one.

❊ A plastic thread strips easily when overtightened. Do not use extension levers or a power screwdriver.

2.2 Rules and limitations

- Use plastic nuts only for lightly loaded joints – typically for mounting electronics. Secure joints that carry loads in flight or in a crash (frame arms, motor mounts) with metal nuts according to the frame manual.
- Do not heat the nuts – do not use them near a soldering iron tip, hot motors or other hot spots; heat softens and deforms them.
- Do not apply threadlockers intended for metal threads or cyanoacrylate glues to the plastic thread unless the adhesive manufacturer expressly states that they are suitable for polyamide – they may damage the plastic.
- After crashes and during routine maintenance, check that the nuts are not cracked and the joint is tight.

3. Safety, storage and maintenance

- This product is not a toy. It contains small parts that a child could swallow or inhale – keep it out of the reach of children.
- Store in a dry place away from direct sunlight. Keep unused nuts in the bag so that they do not get lost.
- The product requires no maintenance. Discard damaged pieces.

4. Information for the EU and Czech Market

4.1 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

4.2 Disposal

- The product is made of plastic (polyamide) and contains no electronics or batteries – take-back of electrical equipment does not apply to it.
- Dispose of unneeded nuts and the packaging according to the waste sorting rules of your municipality (plastics), or in mixed municipal waste.
- Do not discard the nuts in the environment.

5. 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 4.1.
- 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.