M2 Nut – Polyamide

M2 hexagonal plastic nuts (10 pcs)
User Manual



Read this manual before use. Contains small parts – keep out of the reach of children.

Rotorama, s.r.o. · www.rotorama.com

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1. Product description

1.1 Intended use

The package contains ten hexagonal nuts with an M2 thread made of polyamide (Nylon 66). The nuts are used to secure M2 screws and threaded standoffs – in FPV equipment typically to mount the flight controller (FC), electronic speed controller (ESC), receiver or video transmitter (VTX) on the standoffs of a stack, and to attach mounts and small accessories.

Compared with metal nuts, polyamide nuts are lighter and electrically non-conductive, so they do not cause a short circuit when they touch solder pads or components on the board. They are intended for lightly loaded joints; for heavily loaded frame joints and motor mounting, use metal fasteners.



Polyamide M2 nuts

1.2 Technical data and package contents

Product designation	M2 Nut – Polyamide (10 pcs); manufacturer part number FIX-M2 (FIX&FASTEN)
Type	hexagonal nut
Thread	metric M2 × 0.4 (pitch 0.4 mm)
Material	polyamide PA 66 (Nylon 66, UL)
Flammability class	UL 94 V-2
Colour	natural (translucent)
Nut height	1.4 mm
Wrench size	4 mm
Package contents	10 pcs M2 nuts
Not included	screws, standoffs, washers or tools

2. Use

2.1 Installation

① Check that the screw or standoff has a metric M2 thread. The nuts cannot be used with threads of other sizes or with imperial (inch) screws.

② Place the nut on the end of the thread and screw it on by hand for a few turns. The nut must turn freely without jamming – if you feel resistance, unscrew it and start again.

③ Tighten the nut with a 4 mm nut driver or wrench, or with your fingers. Hold the screw while tightening so that it does not turn.

④ Tighten gently, only until the joined part no longer has any play. The plastic thread will strip if overtightened.

⑤ On an FC and ESC stack, tighten the nuts evenly in a cross pattern so that the board does not bend and any rubber dampers (if the stack uses them) are compressed equally.

2.2 Guidelines and limitations

- Do not use polyamide nuts for heavily loaded joints – motor mounting, frame arms and load-bearing parts. Use metal fasteners there.
- Do not fit them where they are exposed to high temperatures (e.g. right next to components that get very hot). Plastic softens when heated.
- Do not use threadlockers intended for metal on threads with plastic nuts unless their manufacturer expressly states that they are suitable for plastics.
- After a crash, check that the nuts are not cracked or loose. Always replace a damaged nut.
- Do not reuse a stripped nut – the joint could come loose in flight.
- The product contains small parts that can be swallowed. Keep it out of the reach of children.

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 product is not electrical equipment and contains no batteries or accumulators; it is not subject to the take-back of electrical equipment.
- Dispose of unneeded or damaged polyamide nuts according to the waste sorting rules of your municipality – in plastics collection where this type of plastic is accepted, otherwise in mixed municipal waste. The rules of the country in which you dispose of the product apply.
- Dispose of the packaging in the appropriate sorted-waste container according to its material.

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.