M3 Press Nuts

User Manual

Pack of 10 · M3 thread · silver



Read this entire manual before installation and keep it for future reference.

www.rotorama.com

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1. Product description

1.1 What it is for

M3 press nuts create a strong threaded mounting point directly in a plate – typically in the carbon plate of an FPV drone frame or in an accessory mount. The nut is pressed into a hole in the plate and its knurled ring cuts into the material, so the nut does not spin when the screw is tightened.

The screw can then be loosened and tightened repeatedly without holding the nut with a wrench. Press nuts are useful wherever the other side of the plate is hard to reach, or where a loose nut would get in the way or get lost during repairs.



M3 press nuts – knurled ring and flange

1.2 Specifications and package contents

Product designation	Vtlačovací matice M3 (10ks) / M3 press nuts (10 pcs)
Type	press nut with knurled ring and flange
Thread	M3 (metric)
Colour	silver
Package contents	10× nut
Not included	screws, drill bit, pressing tool, adhesive

※ The nut dimensions (knurl diameter, height) and the recommended hole diameter are not available for this product. Measure the nut with a caliper before drilling and try the hole on a test piece first.

2. Use

2.1 What you will need

- M3 screws of a suitable length,
- a drill bit or reamer of the matching diameter and a caliper,
- a vice with flat parallel jaws or a hand press,
- safety glasses and gloves; a respirator as well when drilling carbon.

2.2 Preparing the hole

- Use a caliper to measure the pilot section of the nut (above the knurled ring) and the outer diameter of the knurl.
- Choose a hole that the pilot section fits into but the knurled ring does not – the knurl must cut into the material. A hole that is too large will not hold the nut; one that is too small may damage the plate.
- Drill perpendicular to the plate and keep a sufficient distance from the plate edge so that the edge does not bulge or crack when the nut is pressed in.
- Do not chamfer or deburr the hole edges after drilling – the material around the hole is needed to anchor the knurl.
- Dust from drilling carbon irritates the skin and airways and is electrically conductive. Drill with dust extraction or wet, and keep the dust away from electronics.

2.3 Pressing in the nut

① Insert the pilot section of the nut into the hole from the side of the plate on which the nut flange is to sit.

② Place the plate with the nut between the flat parallel jaws of a vice or press so that the force acts exactly along the axis of the nut.

③ Squeeze steadily until the nut flange sits flat on the plate and the knurl is pressed into the material around its entire circumference.

④ Check that the nut is perpendicular to the plate and does not spin in the hole.

※ Never drive the nut in with a hammer. Do not over-squeeze – excessive force distorts the thread and the flange and can delaminate or crack a carbon plate.

2.4 Fitting the screw and troubleshooting

- Insert the screw from the **side of the plate opposite the nut flange**. Tightening then pulls the flange against the plate instead of pushing the nut out of the hole.
- Tighten the screw with care. In places exposed to vibration, you can use a threadlocker.

- If the nut spins in the hole, the hole is too large. You can secure the nut with adhesive (e.g. epoxy) or use another location with a hole of the correct diameter.
- If the screw cannot be screwed in, check that the thread was not distorted during pressing and that the screw really is M3.

❋ Small parts – keep out of the reach of children; risk of inhalation or swallowing.

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

- Press nuts **are not electrical equipment**; the take-back schemes for electrical equipment and batteries do not apply to them.
- Hand in unwanted nuts as **scrap metal** – at a municipal collection yard or a scrap metal buyer. Do not dispose of them in mixed municipal waste.
- Hand in a part with pressed-in nuts (e.g. a carbon plate) at a collection yard in accordance with local rules.
- Sort the packaging by material into the appropriate recycling containers.

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.