ROTORAMA

M3 SCREWS

button head with flange

A2 stainless · 2 mm hex · length 8 / 10 / 12 mm · 10 pcs



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

www.rotorama.com

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1. Product description

1.1 What it is for

Screws with an **M3** thread, a button head with an integrated flange (washer) and a hexagon socket (2 mm hex key) are used to join parts of FPV drones, typically 5" quadcopters. The wider flanged head spreads the clamping force over a larger area, which makes the screws particularly suitable for mounting 3D-printed parts, such as camera and antenna mounts, and other softer materials.

The screws are made of **A2** stainless steel, which is corrosion-resistant. They are sold in packs of 10 in three lengths: 8, 10 and 12 mm.



M3 button head screw with flange

1.2 Technical data and package contents

Product designation	Button head screws with flange M3 (10 pcs)
Thread	M3 (metric)
Length L	8 mm, 10 mm or 12 mm depending on the selected variant
Material	A2 stainless steel
Hexagon socket (s)	2 mm (2 mm hex key)
Flange diameter (d)	max. 6.9 mm
Head height (k)	1.65 mm
Socket depth (t)	1.4 mm
Supplier designation	AN 9084/A2
Package contents	10 screws of the selected length
Not included	nuts, standoffs, hex key, threadlocker

※ Length L is measured from the bearing surface of the head (underside of the flange) to the end of the screw – the head height is not included.

2. Use

2.1 Choosing the screw length

- Before assembly, measure the total thickness of the parts to be joined and determine what the screw will be screwed into – a nut, a standoff, a threaded insert or a thread in the part.
- The screw must engage a sufficient number of threads in the mating part; in a nut it should pass through at least its full height.
- The screw must not bottom out in a blind hole and must not protrude unnecessarily where it could damage cables or electronics or reach into the propellers.
- If the screw is too long, choose a shorter variant; if it is too short, choose a longer one.

2.2 Assembly

① Place the parts to be joined together and align the holes.

② Insert the screw and turn the first threads in by hand. If it is tight right from the start, it is cross-threaded – unscrew it and start again.

③ Tighten the screw with a good-quality 2 mm hex key inserted all the way into the socket. A worn or unsuitable key easily strips the socket.

④ Tighten gently. 3D-printed parts (e.g. PLA, PETG, TPU) deform or crack when overtightened; the flange spreads the pressure but does not replace careful tightening.

⑤ For a metal thread that has to withstand vibration, you can use a removable medium-strength threadlocker. Do not use threadlocker on plastic parts – it may damage them.

※ The supplier does not specify a tightening torque. Tighten by hand with a hex key; do not use a cordless screwdriver at full power.

A stainless steel screw driven into a stainless steel nut may seize (gall) when screwed in quickly and dry. Screw slowly and do not force it if resistance increases – unscrew the screw and check the thread.

2.3 Inspection and safety

- Before every flight, check that the screws have not come loose due to vibration. A loose or lost screw can cause a part to come off during flight and damage the propellers or the drone.
- Replace any screw with a damaged socket, bent shank or damaged thread with a new one.
- Screws are small parts. Keep them out of the reach of children – risk of swallowing or inhalation.

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 contains no electronics or batteries and is not subject to the take-back rules for electrical equipment.
- Hand in screws you no longer need for metal waste collection – at a collection yard or in a metal waste container according to the rules of your municipality.
- Sort the packaging 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.

※ The information in Chapters 3 and 4 is based on Czech law, as the product is sold by a Czech company. The law of the country in which the product is used always applies as well.