ROTORAMA

M2 Screws

Socket head cap screws (hex socket)
DIN 912 · stainless steel A2 · pack of 10



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

www.rotorama.com

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1. Product description

1.1 What it is for

Socket head cap screws with a hexagon socket (Allen) and an **M2** thread according to **DIN 912**, made of **A2** stainless steel. They are basic fasteners for small quadcopters and FPV drones – used to mount motors, propellers, the FPV camera and the stack (flight controller and ESC) and to assemble the frame.

The screws are sold in packs of 10 in several lengths from 3 to 20 mm. They are tightened with a 1.5 mm hex key. Recommendations on which length to choose for a particular use are given in Chapter 2.1.



M2 socket head cap screws – illustrative photo

1.2 Technical data and package contents

Product designation	Socket head cap screws M2 (10 pcs)
Screw type	socket head cap screw with hexagon socket
Standard	DIN 912
Thread	M2 (metric)
Material	stainless steel A2
Hexagon socket	1.5 mm hex (Allen)
Length (depending on the selected variant)	3, 4, 5, 6, 8, 10, 12, 14, 16 or 20 mm
Package contents	10 screws of the selected length

Not included: hex key, nuts, washers or thread-locking compound. The product contains no electrical components and no batteries.

2. Use

2.1 Choosing the length

The length of a socket head cap screw is stated **without the head** – it is measured from the underside of the head to the end of the thread. Overview of typical uses on small quadcopters:

Length	Typical use
3–4 mm	mounting the FPV camera
5–6 mm	mounting the motors to the frame
8 mm	mounting the propellers
20 mm	mounting the stack (flight controller and ESC)
10–16 mm	other joints depending on the frame design and the thickness of the parts

※ On motors, always check that the tightened screw does not reach into the stator windings. A screw that is too long damages the winding insulation and can cause a short circuit and destroy the motor and the electronic speed controller (ESC).

2.2 Installation

- Use a good-quality **1.5 mm** hex key or screwdriver and insert it fully into the socket before tightening. A worn or unsuitable key easily strips the socket.
- First turn the screw in by hand for a few turns to avoid cross-threading. Only then tighten it.
- M2 screws are small and easily overtightened. Tighten gently – excessive force can strip the thread in the frame or motor, or snap the screw.
- On joints exposed to vibration (motors, propellers), a medium-strength thread-locking compound can be applied to the thread. Do not use thread-locker in plastic parts unless the manufacturer of the part recommends it.
- Choose the length so that the screw engages the thread sufficiently but does not protrude where it could damage something (motor windings, cables, circuit board).

2.3 Safety, inspection and storage

- **Small parts – risk of inhalation or swallowing.** Keep out of the reach of children and animals.
- After a crash and regularly before flying, check that the motor and propeller screws are tight. Replace screws with a damaged thread or socket.
- Store in a dry place, ideally in a closed box with compartments by length so that the lengths do not get mixed up.

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 screws are made of metal (stainless steel). Hand in unneeded or damaged screws for metal recycling – at a collection yard or a scrap metal collection point.
- Dispose of the packaging in sorted waste according to its material and local rules.
- The product is not electrical equipment and contains no batteries; take-back of electrical equipment does not apply to it.

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.