ROTORAMA

M3 Screws

Button head screws with hexagon socket
ISO 7380 · A2 stainless steel · pack of 10

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

www.rotorama.com

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1. Product description

1.1 Intended use

M3 button head screws to **ISO 7380** are fasteners made of **A2 stainless steel** with a hexagon socket for a **2 mm** hex key. They are used when building and repairing FPV drones – typically on 5" quadcopters – wherever parts are joined with an M3 threaded screw, for example when assembling a frame or mounting components.

The low, rounded head has no sharp edges and protrudes only slightly above the surface of the part. The pack contains **10 screws of one length**; the length is selected when ordering (see Chapter 1.2).

M3 button head screws – A2 stainless steel

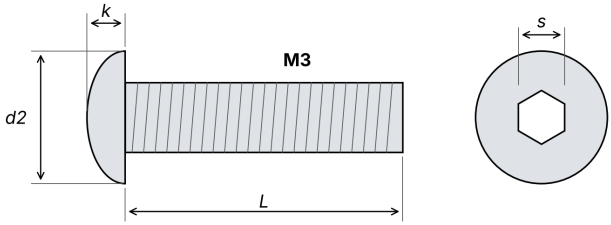
1.2 Specifications and package contents

Product designation	M3 button head screws (10 pcs)
Standard	ISO 7380
Thread	M3 (metric)
Material	A2 stainless steel
Hexagon socket (s)	2 mm (hex key)
Head diameter (d2)	5.7 mm
Head height (k)	1.65 mm
Socket depth (t)	1.4 mm
Length (L)	6, 8, 10, 12, 14, 16, 18, 20, 25 or 30 mm – depending on the selected variant
Package contents	10 screws of the selected length
Not included	nuts, washers, hex key, threadlocker

2. Use

2.1 Choosing the screw length

The screw length (L) is measured **without the head** – from the bearing surface under the head to the end of the thread. Choose the length according to the thickness of the parts being joined:



d2 – head diameter, k – head height, s – hexagon socket size, L – screw length (measured from the bearing surface under the head to the end of the thread)

- The screw must pass through all parts being joined and its thread must engage the nut or the mating thread over its full length. A screw that is too short holds on only a few threads and may pull out.
- A screw that is too long may bottom out in the threaded hole or penetrate into the part it is screwed into. **With motors**, the end of the screw may damage the stator windings – before tightening, make sure the screw does not reach the windings.
- When replacing screws, use the same length as specified by the manufacturer of the part.

2.2 Installation

① Check that the threads of both the screw and the mating part are clean and undamaged.

② First turn the screw in by hand for a few turns. It must turn easily – if it binds, do not force it; check that the thread is M3 and that the screw is inserted straight.

③ Tighten with a **2 mm** hex key in good condition. Insert the key fully into the socket, otherwise the socket is easily damaged.

④ Tighten several screws on one part (e.g. a motor or a frame plate) gradually and in a cross pattern so that the part seats evenly.

⑤ Medium-strength threadlocker may be used in metal threads (e.g. in a motor). Do not use it on plastic parts – some threadlockers damage plastics.

※ Do not overtighten the screws. The 2 mm socket can strip and the M3 thread – especially in aluminium or plastic – can be stripped. No tightening torque is specified for this product; follow the instructions of the manufacturer of the part you are screwing into.

2.3 Inspection, maintenance and safety

- Before every flight, check that the screws are tight. Vibration can gradually loosen the joints.
- After a crash, check that the screws are not bent or cracked and that the socket or thread is not damaged. Replace damaged screws with new ones.
- The screws are not intended for joints whose failure could endanger human health (e.g. lifting loads).
- **Small parts – risk of inhalation or swallowing.** Keep the screws out of the reach of children. This product is not a toy.

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 a metal fastener; it is neither electrical equipment nor a battery.
- Hand over unneeded or damaged screws as metal waste – to a scrap metal collection point or a municipal collection yard.
- Sort the packaging by material into the appropriate container for separated waste.

The information in Chapters 3 and 4 is based on Czech law. When the product is used in another country, the law of the country in which the product is used is decisive.

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.