25T Servo Arm – 44 mm

Aluminium servo arm for 25T output shafts
User Manual



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

www.rotorama.com

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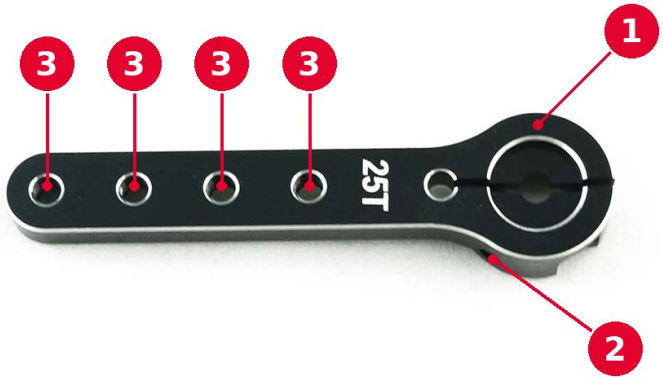
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1. Product description

1.1 What it is for

This robust aluminium servo arm transfers the movement of the servo output shaft to the pushrod of a control surface, landing gear or other actuated mechanism of the model. It is designed for servos with a **25T** splined output shaft (25 teeth).

The arm has four **M3** threaded holes at **20, 28, 36 and 44 mm** from the servo shaft axis. The hole you choose sets the ratio between the travel and the force the servo transfers to the pushrod. The arm hub is split lengthwise and is secured on the shaft with a clamping screw.



① 25T splined hub · ② hub clamping screw · ③ M3 holes at 20, 28, 36 and 44 mm from the axis

1.2 Specifications and package contents

Product designation	25T Servo Arm – 44 mm
Material	aluminium
Hub spline	25T (25 teeth)
Pushrod holes	4× M3 thread (metric)
Hole distance from axis	20, 28, 36 and 44 mm
Weight	5 g
Colour	black / red
Package contents	1× servo arm, 1× screw set

Not included: servo, pushrods, ball links or clevises, threadlocker or tools.

2. Use

2.1 Before installation

- Check the servo specifications to make sure it has a **25T** splined output shaft. Do not fit the arm onto a shaft with a different number of teeth – the spline would be damaged and the arm would not hold.
- Disconnect the model's battery or make sure the motor cannot start. The servo may move unexpectedly when powered on.
- Set the servo to its **centre position** (neutral) – using the transmitter or a servo tester – and only then fit the arm.

2.2 Mounting on the servo

① Loosen the hub clamping screw so that the arm slides onto the shaft without force.

② Fit the arm onto the servo shaft in the desired position. With the servo centred, the arm should be as close to perpendicular to the pushrod as possible; fine-tune later with trim or subtrim on the transmitter.

③ Secure the arm with the centre screw in the servo shaft axis.

④ Tighten the hub clamping screw. Tighten with care – an aluminium thread is easily stripped by overtightening.

2.3 Connecting the pushrod and choosing a hole

The holes have a metric M3 thread – the ball link or pushrod screw threads directly into the arm.

Hole	Characteristics
closer to the axis (20 mm)	less pushrod travel, more force, finer control
further from the axis (44 mm)	more pushrod travel, less force, faster response

- Apply **medium-strength** (removable) threadlocker to the thread of the ball link or screw so that vibration cannot loosen the joint.
- After connecting the pushrod, move through the full range of travel and set the endpoints on the transmitter so that the mechanism does not bind anywhere. A servo pushing against a stop overheats and may be damaged.

2.4 Inspection and maintenance

- Before each use, check that the arm has no play on the shaft and that the screws and the pushrod link are tight.
- After an impact or crash, inspect the arm, the spline and the threads. Replace a bent or cracked arm.

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 servo arm contains no electronic components or batteries. At the end of its service life, take it to a metal collection point (recycling centre, scrap metal dealer) so that the aluminium can be recycled.
- Sort the packaging by material into the appropriate recycling container.
- Follow local waste regulations when disposing of the product.

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 law of the country in which the product is used is decisive. The rights described correspond to Czech law; in another country, follow its regulations.