25T servo arm – 20 mm

Aluminium servo arm with 25T spline
User manual



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

www.rotorama.com

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1. Product description

1.1 What it is for

The aluminium servo arm transfers the rotary motion of the servo output shaft to a pushrod that operates a rudder, flap or other mechanism of the model. It fits servos whose output shaft has a **25T** spline (25 teeth).

The arm has three **M3** threaded holes at distances of **12, 16 and 20 mm**. The choice of hole sets how much pushrod travel the servo produces – the further from the shaft axis the pushrod is attached, the larger the travel and the lower the force on the pushrod, and vice versa.



Servo arm overview

① 25T splined bore for the servo output shaft (counterbored for the head of the centre screw)

② 25T type marking

③ M3 threaded holes for connecting the pushrod (12, 16 and 20 mm)

1.2 Technical data and package contents

Product designation	25T páka serva - 20mm
Material	aluminium
Type (spline)	25T
Pushrod holes	3× M3 thread (metric)
Hole distances	12, 16 and 20 mm
Weight	1.9 g
Package contents	1× servo arm
Not included	servo, centre screw for fixing the arm to the servo shaft, pushrod, clevises and ball links, M3 screws

2. Use

2.1 Before installation

- Make sure the output shaft of your servo has a **25T** spline. Never force the arm onto a shaft with a different number of teeth – you would damage the spline of both the arm and the servo, and the joint would not hold.
- Set the servo to its **neutral (centre) position**, for example by connecting it to a receiver with the transmitter switched on and the control centred, or by using a servo tester.
- When the servo is powered, keep your fingers out of the path of the arm – the servo may move unexpectedly.

2.2 Fitting the arm to the servo

① Push the arm with its splined bore onto the servo shaft in the position that best matches the required neutral position (usually perpendicular to the pushrod).

② If the position is not right, remove the arm and turn it by one tooth. Fine-tune the neutral position in the transmitter (subtrim).

③ Secure the arm with the servo centre screw, which is supplied with the servo. Tighten the screw with care; for metal joints we recommend securing the thread with medium-strength threadlocker.

2.3 Connecting the linkage and setting the throw

- Attach the pushrod to the selected hole with an M3 screw or with a clevis or ball link with an M3 thread.
- For a larger deflection of the control surface, choose a hole further from the axis (20 mm); for a smaller deflection and higher force, choose a hole closer to the axis (12 mm).
- After connecting, move through the full range of motion. Neither the arm nor the pushrod may hit the structure, and the mechanism must not reach its end stop before the servo does – the servo would be permanently loaded, would heat up and draw unnecessarily high current. If necessary, limit the travel in the transmitter (end points).

2.4 Inspection and maintenance

- Regularly check the tightness of the centre screw and the pushrod joint, and the play in the spline.
- After an impact or crash, check that the arm is not bent and the spline is not damaged. Replace a damaged arm.

❉ A loose or slipping arm may cause loss of control of the model. Before each use, check that the control surfaces move in the correct direction and through their full range.

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 is a metal part made of aluminium and contains no electronics or batteries.
- At the end of its service life, take it to a metal collection point, for example a municipal recycling centre, in accordance with the waste sorting rules of your municipality.
- Sort the packaging according to the type of 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.