



PROPELLER TYPE SR 200 ON THE GROUND ADJUSTABLE

Vodolská 4
250 70 Odolena Voda
Czech Republic



SR 200 – ON THE GROUND ADJUSTABLE PROPELLER

Propeller protocol - CERTIFICATE Nr certification process on 17.05.1995 - ULL-03/95 SUPPLEMENT a/05

Propeller type **SR 200** production number of blades:

.....
Production number of the propeller head and spinner:

.....
Propeller diameter:mm / inches

Max. RPM : RPM

Propeller is allowed to be used on engines having the power output
within 19 - 80 kW.

**The producer does not recommend to use the propeller for engines
without reducer – Installation with orther engines should be
considered after consultation with propeller producer.**

The own inertia moment: 1450 kg/cm

Designation: (TRACTOR / PUSHER).....

Drilling: the circumferential holes 6x diameter 8 mm on spacing 75 mm

Central hole diameter 25 mm – 47mm

Blade structure: basic material - ASH, BEECH, CARBON (YES / NO)

The basic supporting parts: thickness in mm, 8,8,8,8,8,8,

Gluing: glue Epoxy 1200, press temperature 45 grC,
pressure 0,3 MPa

Special treatment: leading edge protection carried out

Range of blades resetting: degree

The shape accuracy. observance of airfoil shape: 0,3 mm axial
symmetry: 0,3 mm

Surface treatment: POLYURETAN

Static balancing: maximum unbalance 0.5 g/600 mm

Repairs: Not permitted any interference into lifting surfaces
repairs are possible with producer only

Possibility of repairs: minor defects of varnish

Guarantee inspection: with producer premises after 50 hours of operation

Note: Observe the static balancing

Keep records about the number of hours of operation

It is forbidden to use the propeller for another power outputs, than it is stated in CERTIFICATE.

Tightening the duraluminium head (bolts 6xM6) is to be carried out by torque moment 10Nm , using the bolts and nuts supplied by producer.

Owner must complete the sheet Nr 2 of the guarantee certificate send to the producer!!!

All legal relationships resulting from purchase of the propeller by the user, from services provided by the manufacturer during maintenance, and also all legal relationships resulting from propeller operation, especially those resulting from responsibility for propeller faults, responsibility for damages, and remuneration of property and other damages related to propeller operation, propeller accident, and related events, will be assessed according to Czech law, and will be decided according to it by applicable court in the Czech Republic.

Inspection - Date:..

Producer - Date:

WARNING

Propeller SR200 is locked by 6 circumferential bolts M6 and by 6 (alternatively by 3) fixation bolts M8.

Tightening moments / Torque :

bolts M6.....10 Nm (7,4 ft / lb)

bolts M8.....22 Nm (16,2 ft / lb)

Before adjusting the angle of blade setting, it is necessary to loose the 6 circumferential bolts M6 and also the 6 (3) fixation bolts M8 by $1 \div 2$ turns. After setting the new angle of blades, the bolts are to be tightened again by the moment specified .

The 9 bolts M4 fixating the aerodynamic spinner are to be tightened reasonable.

Inspections :

- 1) After 50 flight hours – Inspection of M8 bolts torque on the engine
- 2) Every 100 flight hours
- 4) Propeller overhaul : 300hours or 5years depending on what occurs first

[illegible]



**PROPELLER TYPE SR 200
ON THE GROUND ADJUSTABLE**

**GUARANTEE
CERTIFICATE**

Guarantee certificate

Propeller type: **SR 200**

Propeller number:

The guaranty period: 24 month or 100 working hours from the date presented in guaranty certificate. After 50 hours of propeller operation inspection with producer or at authorised service centre - otherwise the client loses the guaranty rights. In case of complaint, number of hours flown must be in accordance with records in board book of the aircraft. On the propeller, there must not be made any not allowed changes or nonprofessional modifications, otherwise the complaint would be rejected.

The guaranty terms:

The propeller must be operated in accordance with producer instructions presented in certificate and guaranty document.

The user is obliged to send the completed sheet number 2 of the guaranty document to the producer immediately. If user fails to do so, he loses the guaranty rights for that product.

Liability: The propeller guarantee does not relate to eventual other damages. The user carries out the propeller operation at his own risk.

Propeller maintenance and inspection:

The propeller does not need any special maintenance during the operation. Producer recommends to remove the impurities from the propeller, using the common detergents with following wiping out it dry.

The repairs are allowed only concerning the minor damages of the leading edges, using for this purpose the suitable resin with filler, e.g. Epoxy 1200.

Producer recommends to check the fixation of the root part of the blade, proper tightening the circumferential bolts and integrity of the whole blade surfaces.

Producer:

Date:

User - address :

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.....

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Tel.:

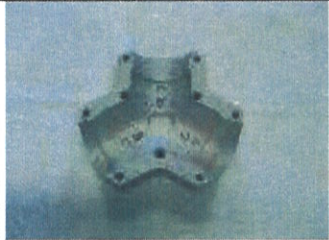
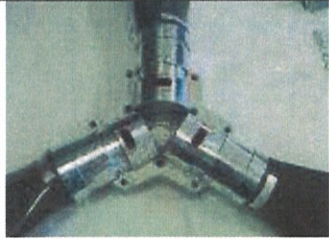
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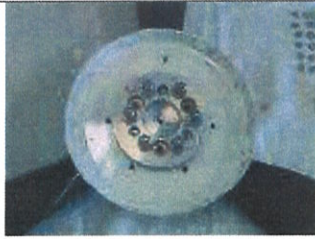
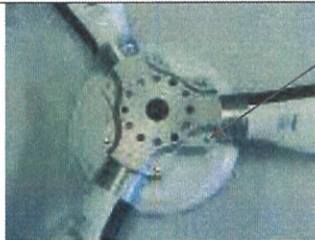
ASSEMBLY INSTRUCTION

SR 200 PROPELLER

ASSEMBLY INSTRUCTION

- WITHOUT CENTRAL SETTING MECHANISM
- WITH CENTRAL SETTING MECHANISM

SR 200 PROPELLER	
	The individual parts of the SR 200 propeller.
	Put the upper part of propeller hub on the straight plane.
	Insert the propeller blades into the upper half of the propeller hub. Also pay attention to proper blades placing - the blades are marked with letters A, B, C and the propeller hub is marked in the same way with letters A, B, C.
	The lower half of the propeller hub with the spinner base.

	The lower half of the propeller hub, which is equipped by producer with appropriate spacer, is to be set to the upper half of hub with propeller blades.
	Both halves of the cone hub are to be screwed by means of screws M6x80 with duralumin washers, which are situated in the base of cone, using the washers 6,3 and selflocking nuts M6. Tighten the screws by tightening moment 10 Nm. (89in / lb)
	Fix the propeller hub to the base of propeller cone using the screws M8x100. Tighten the screws by tightening moment 22 Nm. (195in/lb) Use LOCTITE 243 for M8 bolts locking !!!
	Cover the propeller hub by propeller spinner. Fix the spinner using the screws M4x15 (9 p-s). Attention - the red marks on the propeller spinner base and on the spinner must be set against each other.
Install the propeller on the engine flange by means of suitable screws on lock them by means of selflocking nuts or by means of split pin. ATTENTION - The serious danger of harm threatens in nearness of rotating propeller! Keep away of rotating propeller!	