

EN	Obtained	weight
	wing	130 g
	fuse	30 g
	tube	15 g
	rudder	7 g
	elevator	7 g
	seat under the elevator	1 g



General instruction

The core of the wing, elevator and rudder are made from extruded polystyrene. Therefore use glue, which does not corrupt this material. Handle the wing with care. Given its construction related to the requirement for the lowest weight possible, it can be damaged easily, especially dented.

Assembly of the wing

First make slots for servos, placed into laminated reinforcements near the center of the wing (poorly visible semicircle on the surface of the wing). Servos can be put both before and behind the girder. When cutting out the slots, be careful not to corrupt the girders. Then make channels for the cables with a needle rasp file. Then make one bigger hole in the middle of the wing to bring out the cable for the servos. I recommend wrapping the servos with tape and, after setting the neutral of ailerons, gluing in the prepared slots with Purex. For rods use 1mm steel wire ended with a "Z" bend. The throwing pin should be glued in the slot made in the carbon reinforcement at the end of the wing and laminated with a thin glass fabric 1x1 cm big. Drill the spots in the middle of the wing made for the mounting screws so that the screws are in line with the slots in the trunk.

The tail

Shorten the tail tube to the appropriate length from the narrower side.

RUDDER

In the rudder cut out 2 cm long notches so that it can be tucked in the trunk and then glue with 5min epoxide. Laminate the whole spot from both sides with a 15x45 mm big stripe of 50 g/m fabric. Turn the rudder stop to the rudder and glue in a spring from 0,3mm U shaped 20x50x20 mm big steel string – one end of the string should be glued into the rudder, the other into the rudder stop. Glue the ends of the string with 5min epoxide. Turn the rudder stop back into straight position and glue in it the operating lever.



ELEVATOR

Glue the seat under the elevator with 5min epoxide so that its stagnating edge is 90 mm off the end of the trunk. Drill in the elevator \varnothing 3mm hole for a screw and \varnothing 2mm hole for centring pin. Turn the elevator stop to the elevator and glue in a spring from 0,3mm U shaped 20x50x20 mm big steel string – one end of the string should be glued into the elevator, the other into the elevator stop. Glue the ends of the string with 5min epoxide. Turn the elevator stop back into straight position and glue in it the operating lever. After test flying and setting of the exact approach angle of the elevator glue its fixing screw into the seat.



Trunk mounting

The servo plate should be glued as forward as possible in the trunk so that the Rx battery and receiver can fit in front of it. As Rx battery use 4 pieces of NiCd 2/3 AAA cells with capacity about 350 mAh. I recommend using Diamond D47 rudder and elevator servos and Diamond D60 for the wings. The receiver should not weight more than 8g.

Set-up

I recommend placing the center of gravity of the model 85 to 89mm from the approach angle of the wing a trim it according to the behavior of the model when flying. After throwing the model should be mildly ascending. If it flies straight without ascending mildly, it is too light on the front and it is necessary to trim it. Conversely, if it is ascending too steeply, the center of gravity is too much in the front and it is necessary to remove some weight from the front of the trunk. The AG profile used in the model allows to change the neutral position of ailerons and change the way the model flies and to use the ailerons as brakes at the same time.

I recommend to set-up these phases of the flight:

- 1) throw in strong wind: ailerons 1mm upwards,
- 2) slow thermal soaring: ailerons 2mm downwards.

I recommend setting the throttle so that it is used for the operation of the ailerons in the function of brakes. In case of full flap angle of the brakes, it is necessary to compensate the flight of the model by a clampdown of the elevator by 8mm (by mix brakes – elevator).

CZ	Obsah	váha
	křídlo	130 g
	gondola	30 g
	trubka	15 g
	směrovka	7 g
	výškovka	7 g
	sedýlko pod výškovkou	1 g



Všeobecné pokyny

Jádra křídla, VOP a SOP jsou zhotovena z extrudovaného polystyrenu, proto používejte lepidla, která nenaruší tento materiál. S křídlem zacházejte opatrně. Vzhledem k jeho konstrukci, dané požadavkem co nejnižší hmotnosti, je náchylné na poškození, především na promáčknutí.

Sestavení křídla

Nejprve vyřízněte otvory pro serva, umístěné do zalaminovaných výztuh u středu křídla (slabě viditelný půlkruh na povrchu křídla). Serva je možné umístit jak před, tak i za nosník. Při vyřezávání otvorů dbejte na to, abyste nosníky nenarušili. Poté kulatým jehlovým pilníkem zhotovte kanálky pro kabely. Dále vytvořte jeden větší otvor uprostřed křídla, pro vyvedení kabelu serv. Serva doporučuji obalit izolepou a po nastavení neutrálu křidélek, vlepít Purexem do připravených otvorů. Jako táhla použijte 1mm ocelový drát zakončený „Z“ ohybem. Házecí kolík vlepíte do místa připraveného v uhlíkové výztuži na konci křídla a přelaminujte tenkou skelnou tkaninou o rozměrech 1x1 cm. Místa ve středu křídla, určená pro připevňovací šrouby, provrtejte tak, aby šrouby byly souosé s otvory v trupu.

Ocasní plochy

Shorten the tail tube to the appropriate length from the narrower side.

SMĚROVKA

In the rudder cut out 2 cm long notches so that it can be tucked in the trunk and then glue with 5min epoxide. Laminate the whole spot from both sides with a 15x45 mm big stripe of 50 g/m fabric. Turn the rudder stop to the rudder and glue in a spring from 0,3mm U shaped 20x50x20 mm big steel string – one end of the string should be glued into the rudder, the other into the rudder stop. Glue the ends of the string with 5min epoxide. Turn the rudder stop back into straight position and glue in it the operating lever.



VÝŠKOVKA

Glue the seat under the elevator with 5min epoxide so that its stagnating edge is 90 mm off the end of the trunk. Drill in the elevator Ø 3mm hole for a screw and Ø 2mm hole for centring pin. Turn the elevator stop to the elevator and glue in a spring from 0,3mm U shaped 20x50x20 mm big steel string – one end of the string should be glued into the elevator, the other into the elevator stop. Glue the ends of the string with 5min epoxide. Turn the elevator stop back into straight position and glue in it the operating lever. After test flying and setting of the exact approach angle of the elevator glue its fixing screw into the seat.



Osazení trupu

The servo plate should be glued as forward as possible in the trunk so that the Rx battery and receiver can fit in front of it. As Rx battery use 4 pieces of NiCd 2/3 AAA cells with capacity about 350 mAh. I recommend using Diamond D47 rudder and elevator servos and Diamond D60 for the wings. The receiver should not weight more than 8g.

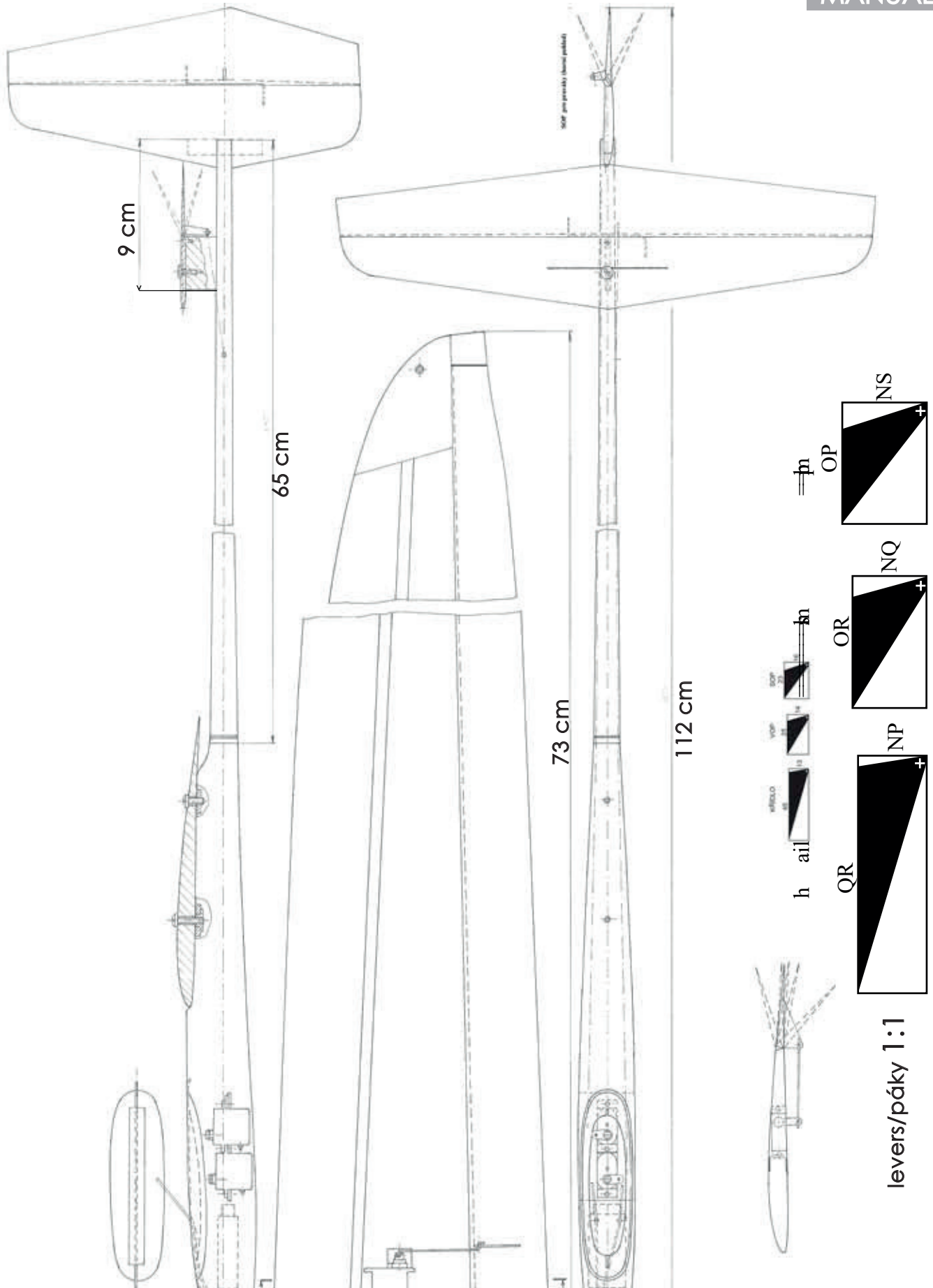
Nastavení

I recommend placing the center of gravity of the model 85 to 89mm from the approach angle of the wing a trim it according to the behavior of the model when flying. After throwing the model should be mildly ascending. If it flies straight without ascending mildly, it is too light on the front and it is necessary to trim it. Conversely, if it is ascending too steeply, the center of gravity is too much in the front and it is necessary to remove some weight from the front of the trunk. The AG profile used in the model allows to change the neutral position of ailerons and change the way the model flies and to use the ailerons as brakes at the same time.

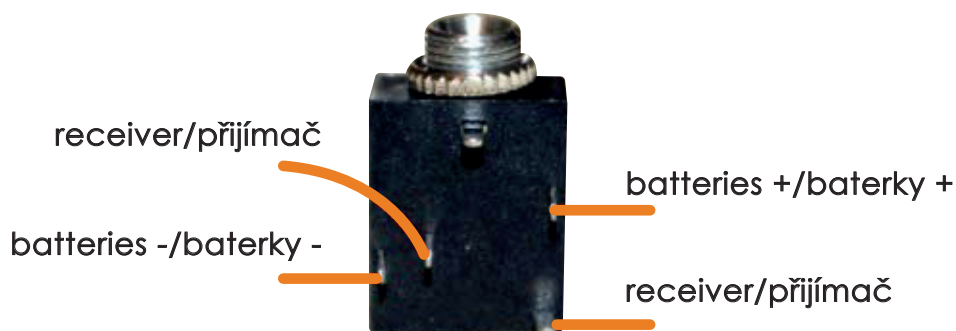
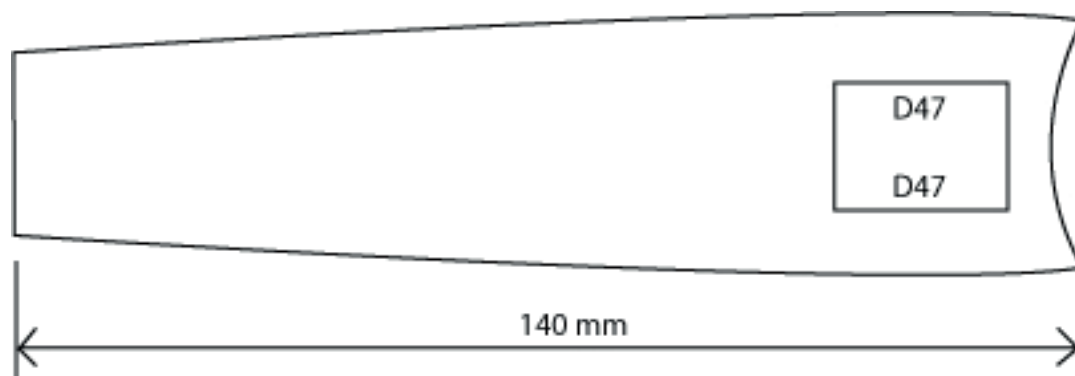
Doporučuji nastavit tyto letové fáze:

- 1) hod a let v silném větru: křídélka 1 mm nahoru
- 2) pomalé kroužení v termice: křídélka 2 mm dolů

I recommend setting the throttle so that it is used for the operation of the ailerons in the function of brakes. In case of full flap angle of the brakes, it is necessary to compensate the flight of the model by a clampdown of the elevator by 8mm (by mix brakes – elevator).

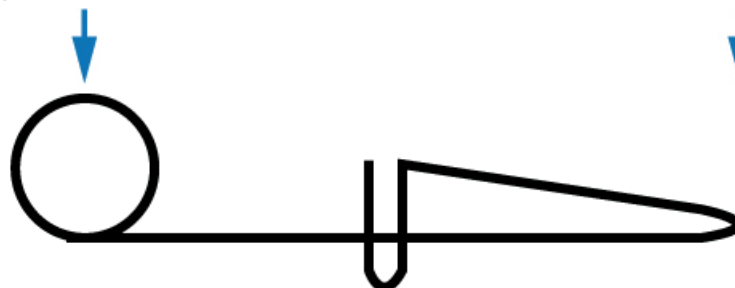


Balsa desk for glas pod / Páteř pro skleněné gondoly 1:1



string/provázek

lever/páčka



carabine 0,3mm steel wire/karabinka 0,3 mm ocel. drát