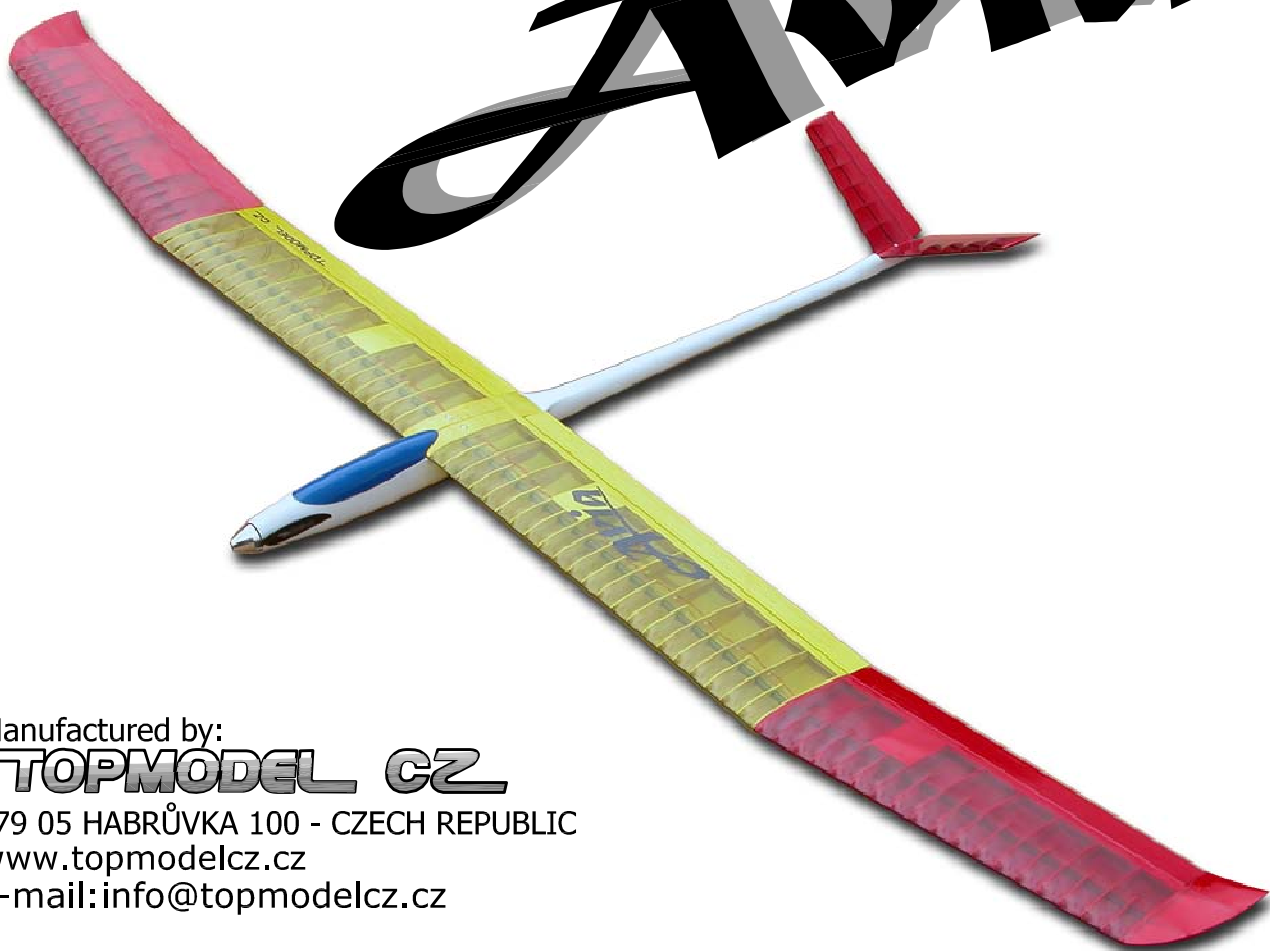


# ELECTRO SAILPLANE

# Avia



Manufactured by:

**TOPMODEL CZ**

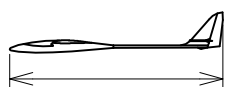
679 05 HABRŮVKA 100 - CZECH REPUBLIC

www.topmodelcz.cz

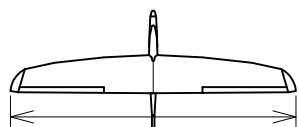
e-mail: info@topmodelcz.cz

Order N°: 02082

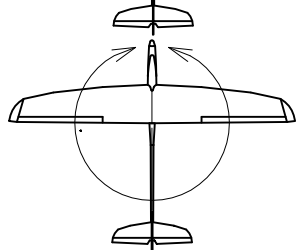
Radio system you'll need :



1310mm



2500mm

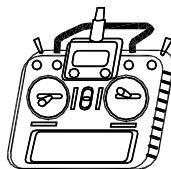


46dm<sup>2</sup>

23,9-28,4g/dm<sup>2</sup>



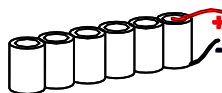
1,1 - 1,3 kg



5channel  
with  
6 servos



XPower XC 3514/12  
Axi 2814/12



2S-3S Lixx 2-3Ah



MH 32 mod.

*Není-li uvedeno jinak, všechny  
neoznačené míry jsou v milimetrech*  
UNLES STATED, ALL DIMENSIONS  
ARE IN MILIMETERS

Part #	Part name	Material, dimensions	Loose	In bag
	building instruction		01	-
1	fuselage	fibreglass	01	-
1-1	engine mount	fibreglass 3 mm	-	01
1-2	servo tray V-tail	plywood 4 x 53 x 47 mm	-	01
1-3	link support	balsa 5 x 10 x 50 mm	-	01
2	wing	balsa assembly	02	-
2-1	aileron	balsa	02	-
2-11	flap	balsa	02	-
24	wing joiner	carbon tube Ø 10/8 x 180 mm	-	01
2-2	wing fixing screw	nylon screw M 4 x 30 mm	-	02
2-21	centering pin	fibreglass Ø 3 x 30 mm	-	01
2-3	captive nut	aluminium M4	-	02
2-31	nut mount	plywood 3 x 23 x 53 mm	-	01
2-4	servo mount	polyurethan	-	04 + 04
2-41	wing servo cover	ABS plastic	-	04
2-5	aileron-flap pushrod	piano wire M2	-	04
2-6	clevis	MPJ 2110	-	04
2-8	aileron horn	fibreglass plate 1 mm	-	02
2-81	flap horn	fibreglass plate 1 mm	-	02
3	V-tail	balsa assembly	01	-
3-2	V-tail screw	steel M3 x 25 mm	-	01
3-21	screw bushing	brass Ø4/3mm L = 12,5 mm	-	01
3-3	screw nut	aluminium M3	-	01
3-31	nut mount	plywood 3 x 12 x 22 mm	-	01
3-5	V-tail link	bowden Ø2 mm L=820mm, piano wire Ø0,8 mm L= 920mm	02+02	-
3-6	threaded link	MPJ 2758	-	02
3-8	horn	fibreglass plate 1 mm	-	02
6	canopy	fibreglass	01	-
6-2	canopy fixing	fibreglass Ø2 x 180 mm	-	01
6-21	mount	plywood 1 x 6 x 12 mm	-	02
7	stickers		01	

**RECOMMENDED RC EQUIPMENT:**

Radio : 5 channel + 7 channel (receiver)  
 Servos : 2x HS 82MG ( for flaps ), 4x Topmodel PS1616 ( for ailerons and V-tail )  
 Motor : Xpower XC 3514/12  
 Controller: 40 – 50A ( JETI SPIN 44, Xreg 40 with switch BEC )  
 Spinner: ø 40/5 mm - order No.099T1559 ( order No.0201559 )  
 Prop: Aeronaut CAM Carbon 10/6“

**ATTENTION:**

This model construction kit is not a toy and is not suitable for children under the age of 14.  
 Incorrect use of this material could cause material damage or person injury. You are fully responsible for your actions when you use this model.  
 Fly at a safe distance from occupied zones. Be sure that no one else is using the same frequency as you.

Before first take-off check up please if model aeroplane parts aren't crooked.  
 The reparation is possible through the use of hot-air dryer.

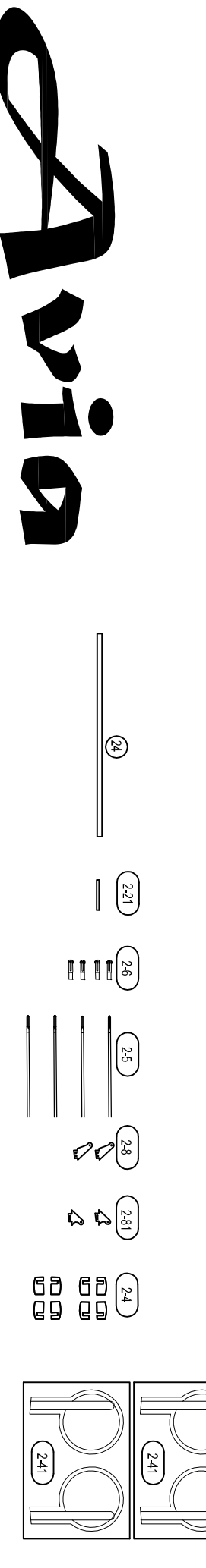
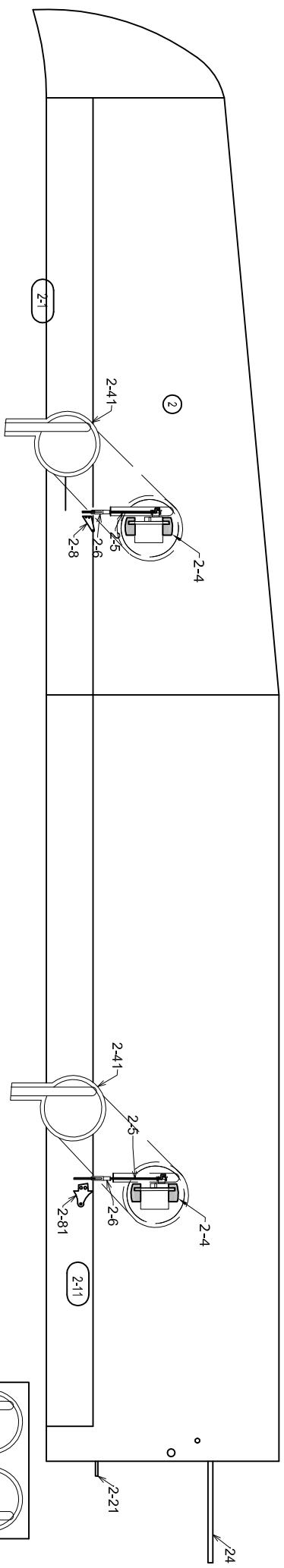
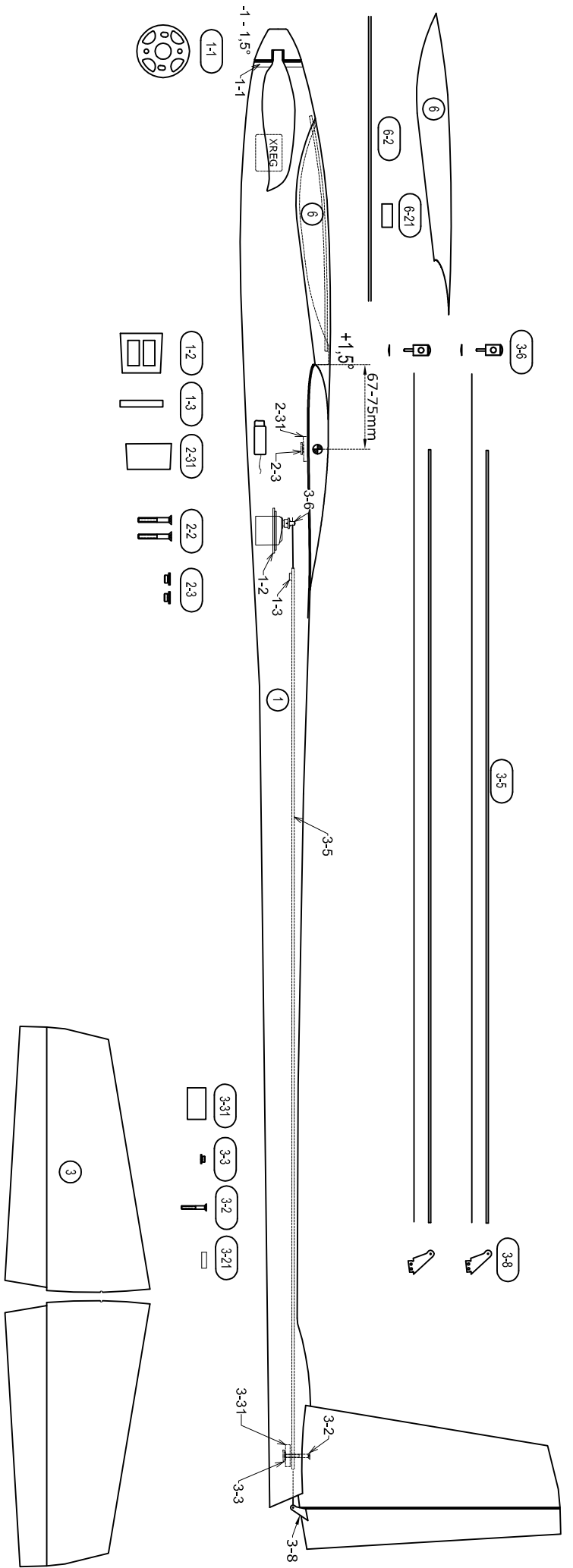
**Kat. č. 02082**

Položka	Název dílu	Materiál, rozměr	Volně / ks	Balíček/ ks
	montážní návod		01	-
1	trup	laminát	01	-
1-1	motorová přepážka	sklotextit 3 mm	-	01
1-2	držák serva ocasních ploch	překližka 4 x 53 x 47 mm	-	01
1-3	držák bowdenů	B 5 x 10 x 50 mm	-	01
2	křídlo	balsa konstrukční	02	-
2-1	křídélko	balsa	02	-
2-11	vztlaková klapka	balsa	02	-
24	spojka křídla	uhlík Ø 10/8 x 180 mm	-	01
2-2	uchycení křídla	šroub M 4 x 30 mm	-	02
2-21	aretační kolík	laminát Ø 3 x 30 mm	-	01
2-3	uchycení křídla	matice AL. M4	-	02
2-31	podložka matice	překližka 3 x 23 x 53	-	01
2-4	držák serva	polyuretan 13mm; 11mm	-	04 + 04
2-41	krytka serva	ABS folie	-	04
2-5	táhlo křídélka a klapky	ocel	-	04
2-6	koncovka táhla	MPJ 2110	-	04
2-8	páka křídélka	sklotextit 1 mm	-	02
2-81	páka klapky	sklotextit 1 mm	-	02
3	ocasní plochy	balsa konstrukční	01	-
3-2	šroub OP	M3 x 25	-	01
3-21	průchodka šroubu	MS Ø4/3mm L = 12,5	-	01
3-3	matice OP	AL M3	-	01
3-31	podložka matice	př. 3 x 12 x 22	-	01
3-5	táhlo OP	bowden Ø2 mm L=820mm, ocel drát Ø0,8 mm L= 920mm	02 + 02	-
3-6	koncovka táhla	MPJ 2758	-	02
3-8	páka	sklotextit 1 mm	-	02
6	kabina	laminát	01	-
6-2	uchycení kabiny	laminát Ø2 x 180 mm	-	01
6-21	podložka	př. 1 x 6 x 12	-	02
7	obtisky		01	

**DOPORUČENÉ PŘÍSLUŠENSTVÍ :**

RC souprava : 5 kanál + 7 kanál přijímač  
 Serva : 2x HS 82MG ( pro klapky ), 4x Topmodel PS1616 ( pro křídélka a ocasní plochy )  
 Motor : Xpower XC 3514/12  
 Regulátor: 40 – 50A ( JETI SPIN 44, Xreg 40 se spínaným BEC )  
 Kužel: [099T1559](#) ( [0201559](#) )  
 Listy: Aeronaut CAM Carbon 10/6“

Před prvním startem zkontrolujte jestli nejsou díly modelu zkroucené.  
 Náprava je možná pomocí horkovzdušné pistole.

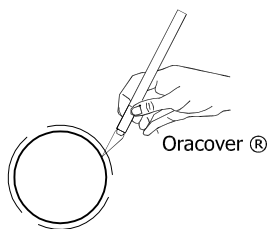


**TOPMODEL CZ**

© V. 2009 TOPMODEL CZ Výkres není v měřítku - Not scale !!!

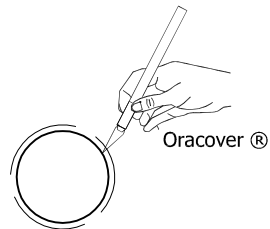
© V. 2009 TOPMODEL CZ Manufactured by TOPMODEL CZ s.r.o. 679 05 HABRŮVKA 100 - Better made in the Czech Republic  
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**Avia**



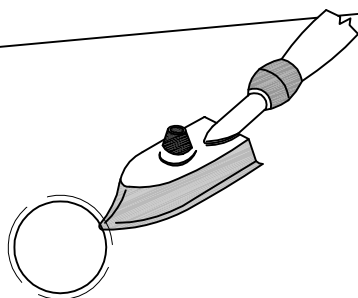
SPODNÍ STRANA  
BOTTOM

②



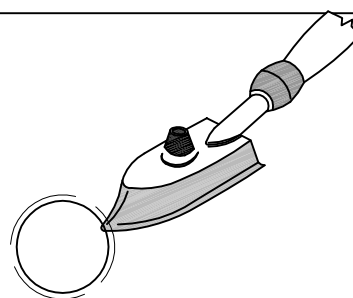
Oracover®  
spodní + horní strana  
bottom + top

Oracover®



SPODNÍ STRANA  
BOTTOM

②



VRCHNÍ STRANA  
TOP

krok 1.  
step 1.

②

páska  
tape

krok 2.  
step 2.

páska 2  
tape

2-1

1/2  
1/2

SPODNÍ STRANA  
BOTTOM

krok 1.  
step 1.

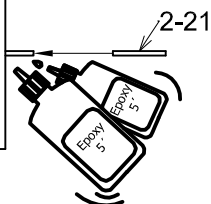
páska  
tape

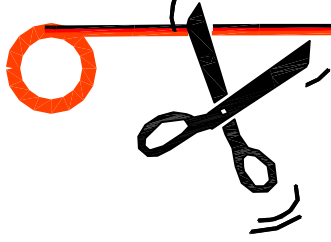
krok 2.  
step 2.

páska 2  
tape

2-11

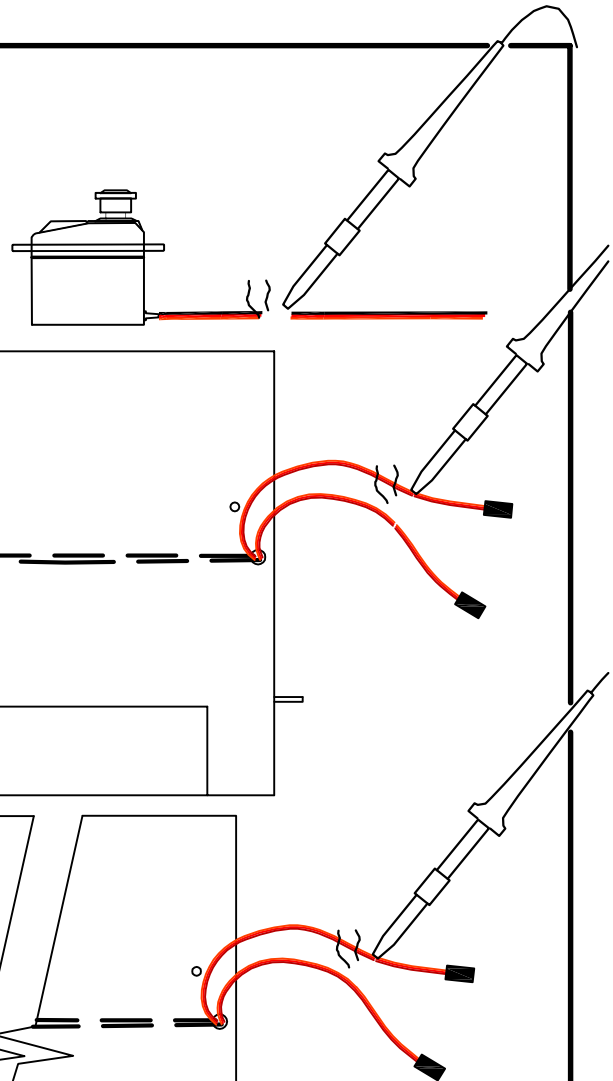
1/2  
1/2



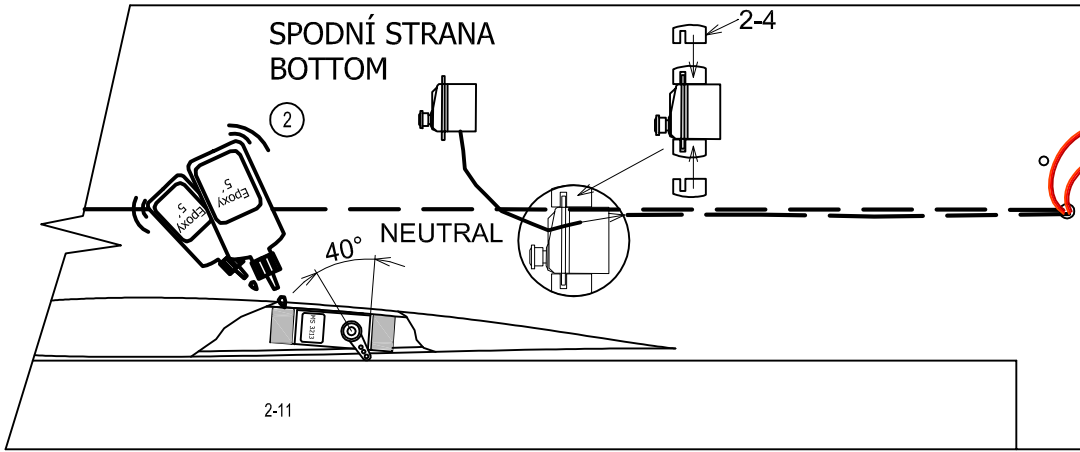


~200mm - 2x pro servo klapek  
for flaps servo

~850mm - 2x pro servo křidélek  
for aileron servo

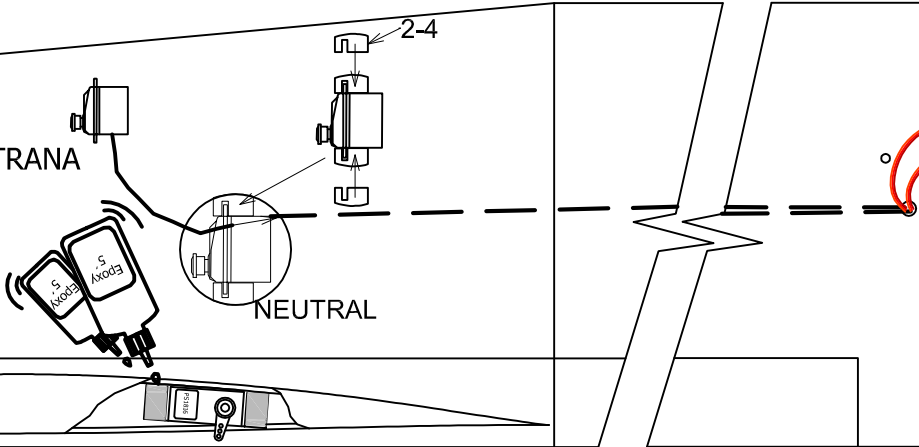


SPODNÍ STRANA  
BOTTOM



SPODNÍ STRANA  
BOTTOM

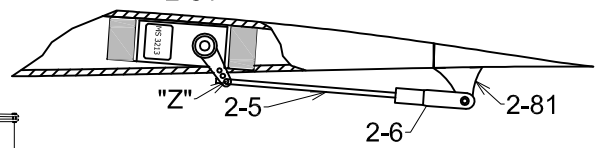
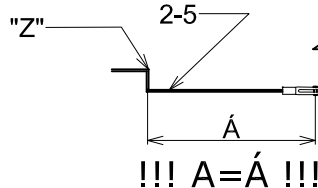
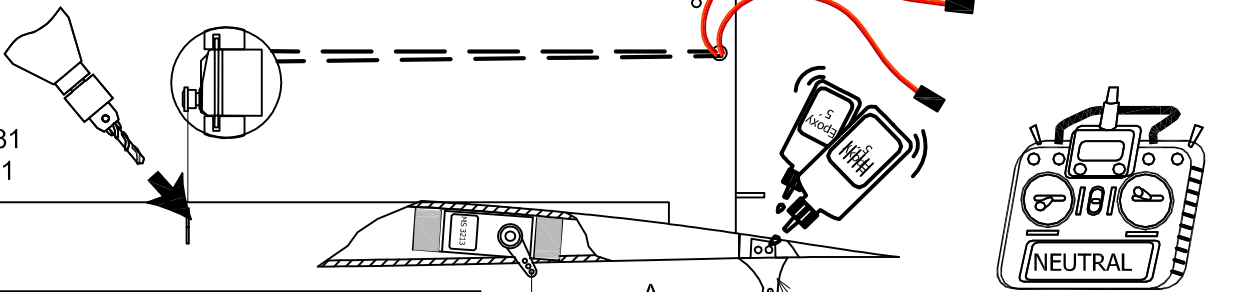
2



SPODNÍ STRANA  
BOTTOM

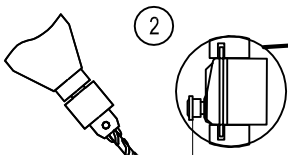
Ø1 pro 2-81  
Ø1 for 2-81

2-11



SPODNÍ STRANA  
BOTTOM

Ø1 pro 2-8  
Ø1 for 2-8

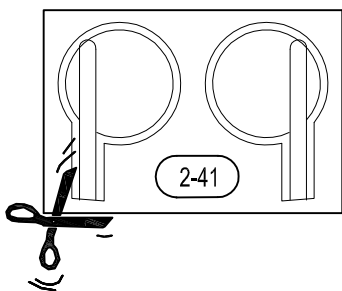
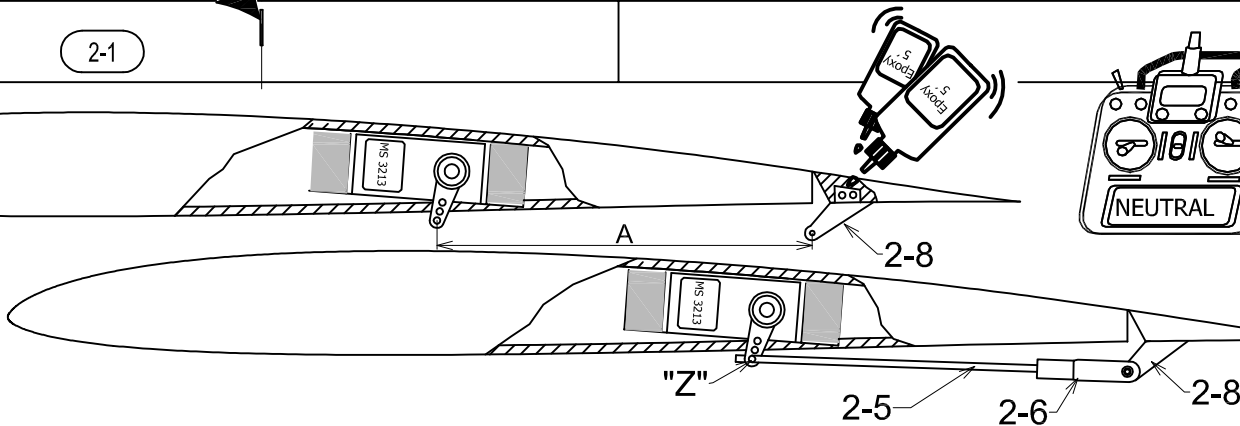
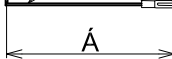


2-1

"Z"

2-5

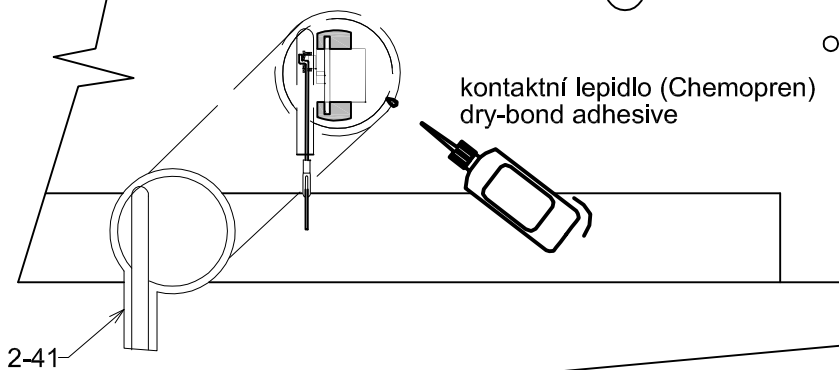
!!! A=Á !!!



SPODNÍ STRANA  
BOTTOM

2

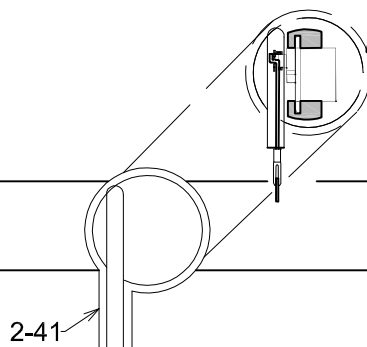
kontaktní lepidlo (Chemopren)  
dry-bond adhesive

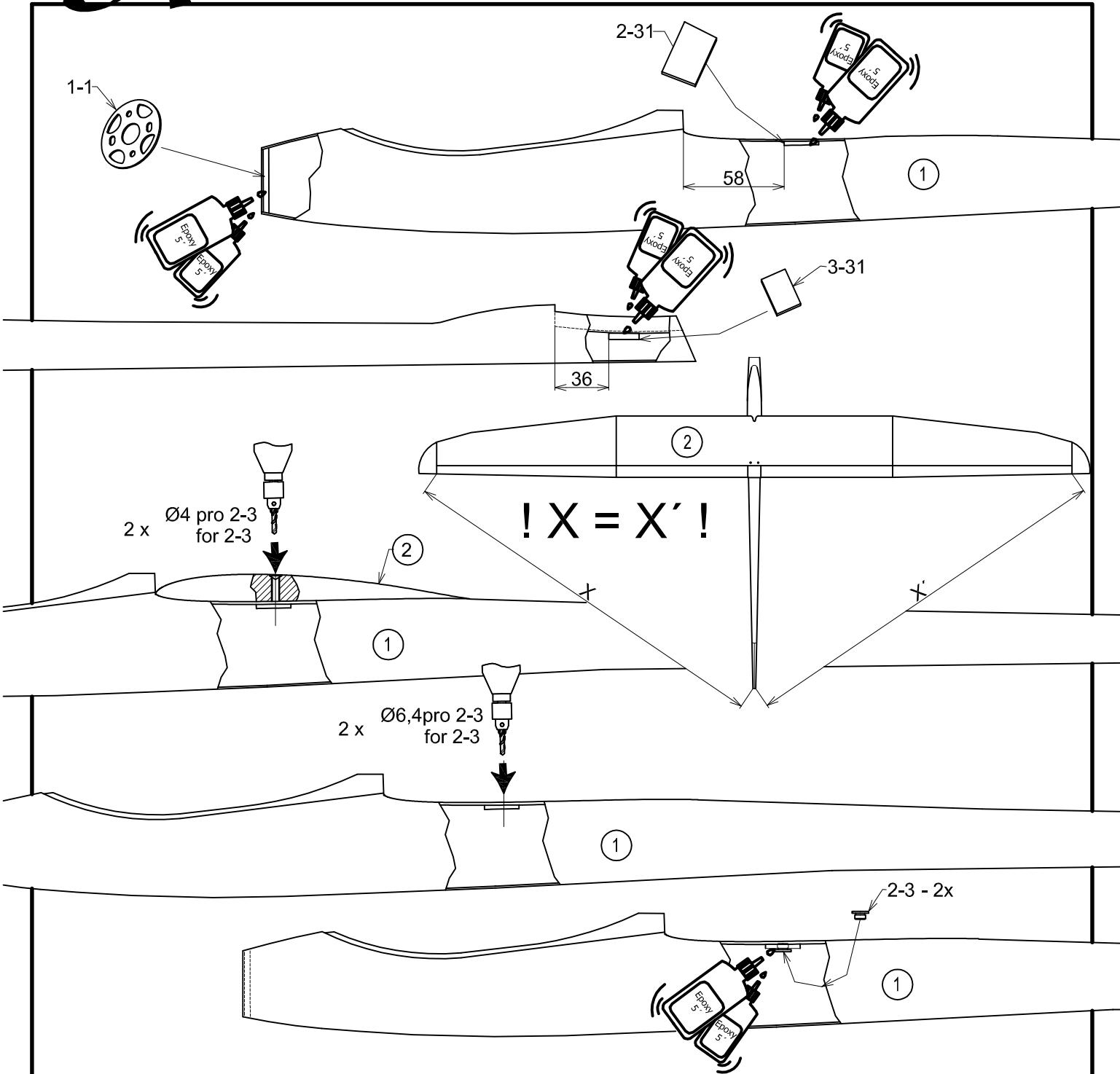


SPODNÍ STRANA  
BOTTOM

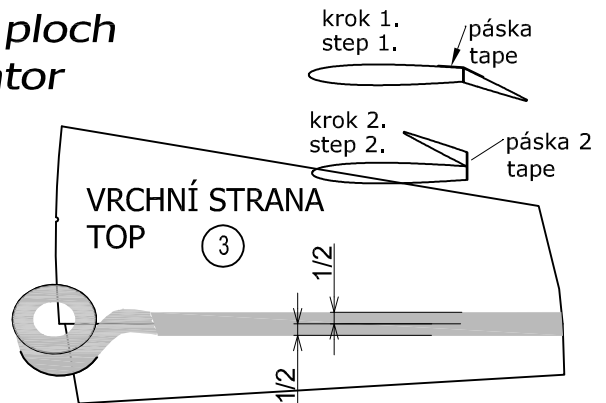
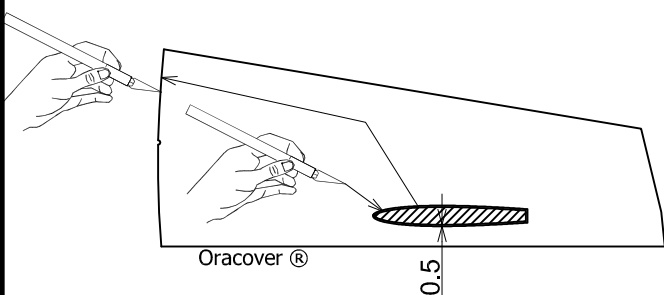
2

kontaktní lepidlo (Chemopren)  
dry-bond adhesive

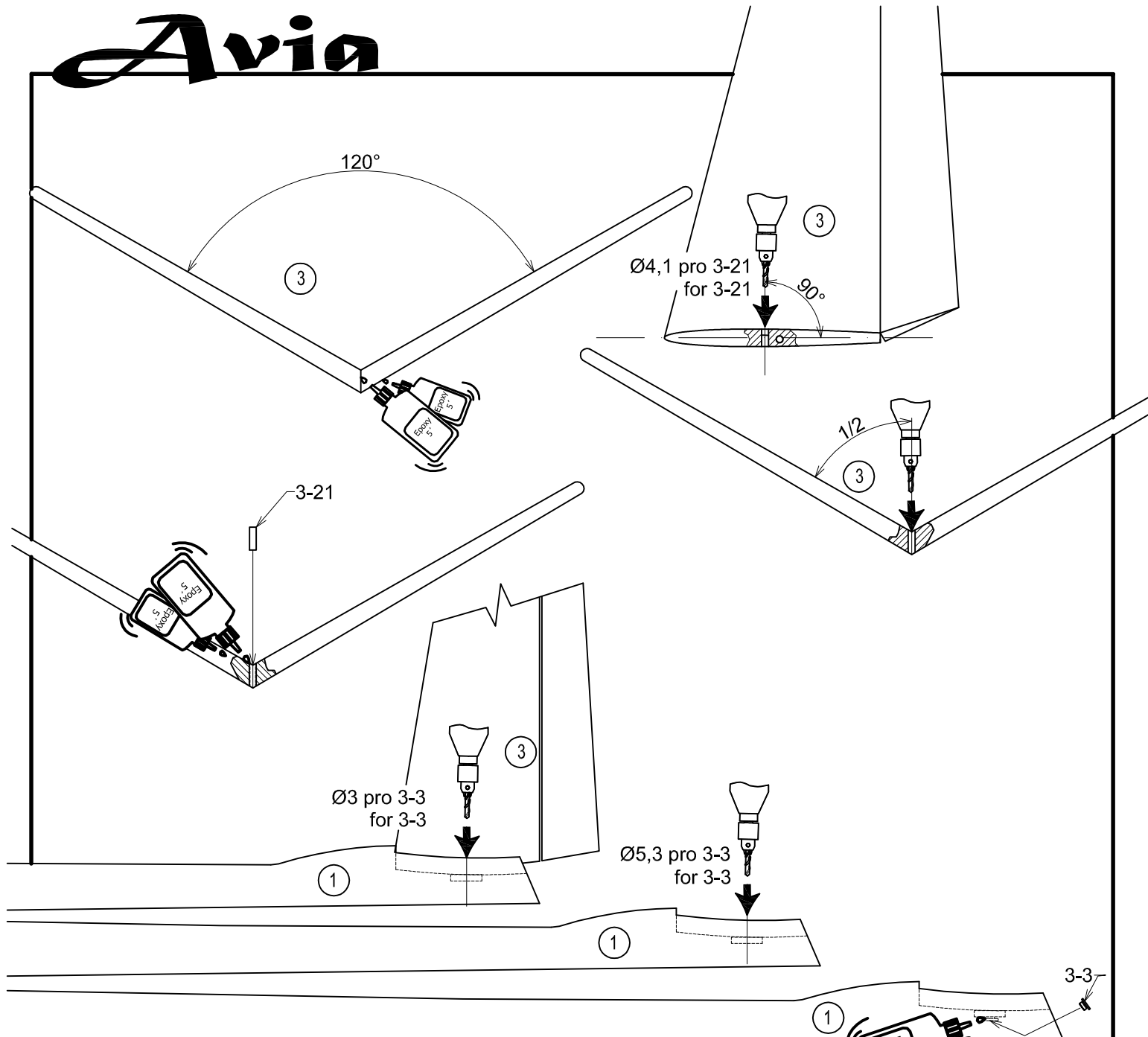




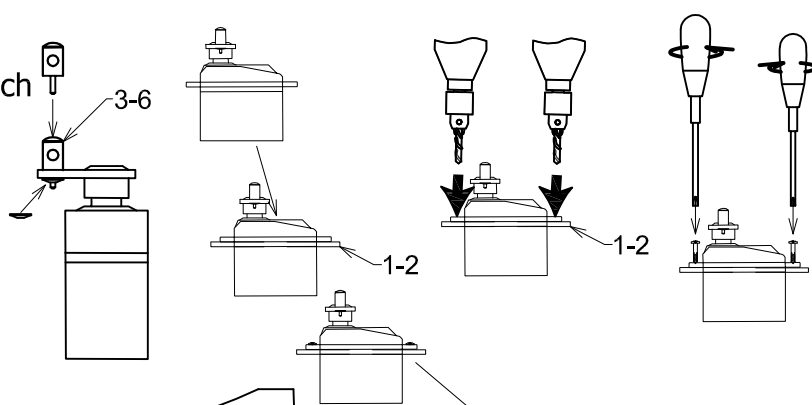
**3** levá i pravá polovina ocasních ploch  
left side and right side of elevator



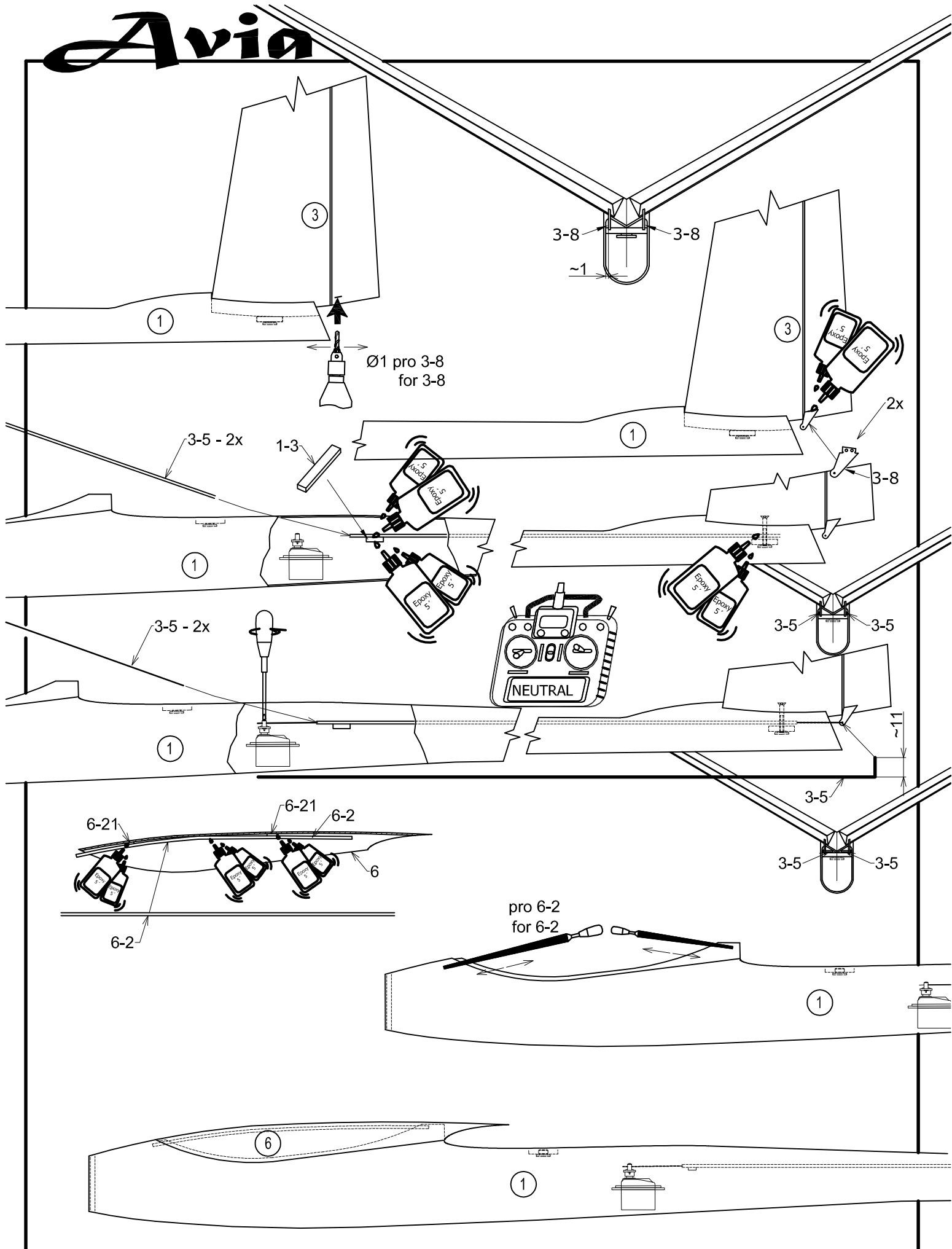




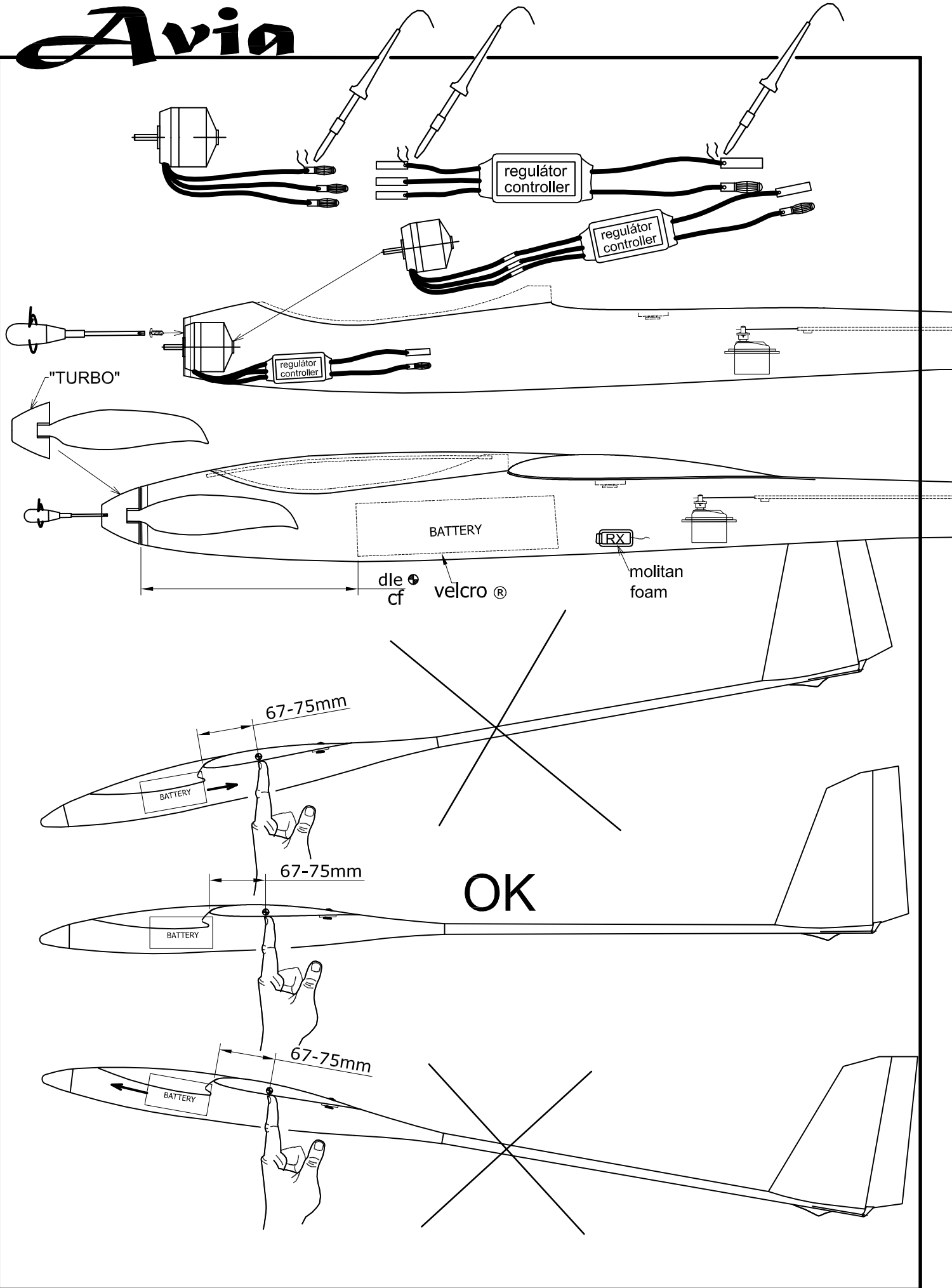
serva ocasních ploch  
V Tail servos

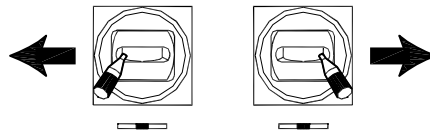
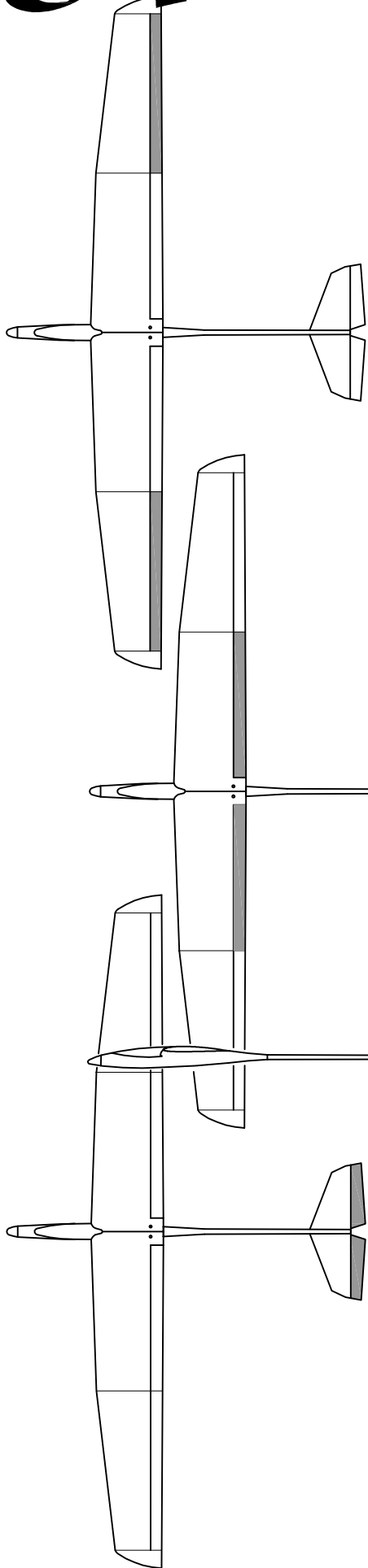


# Avia

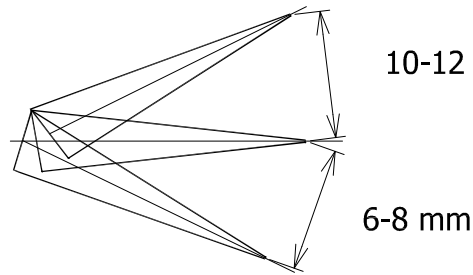


# Avia

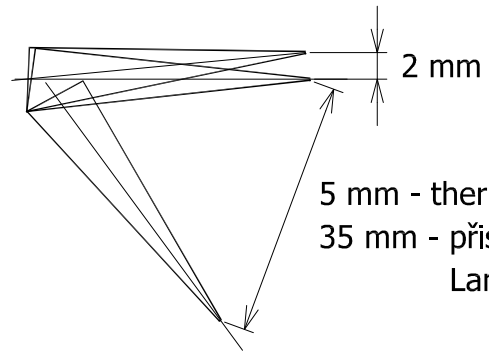
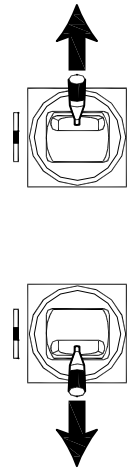




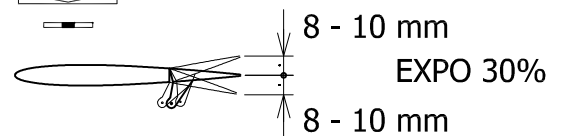
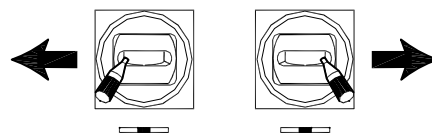
↑ Přistání - 9 - 12 mm  
Landing



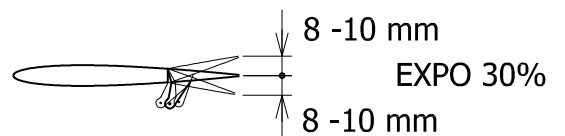
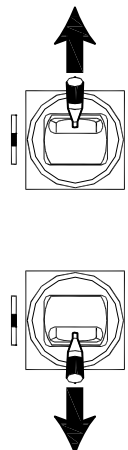
EXPO 25%



2 mm  
5 mm - thermik  
35 mm - přistání  
Landing



8 - 10 mm  
EXPO 30%  
8 - 10 mm



8 - 10 mm  
EXPO 30%  
8 - 10 mm