

## SAILPLANE / ELECTRO SAILPLANE



# Albatros

Manufactured by:

**TOPMODEL CZ**

679 05 HABRŮVKA 100 - CZECH REPUBLIC

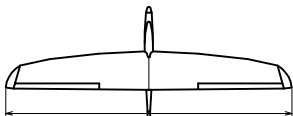
[www.topmodelcz.cz](http://www.topmodelcz.cz)

e-mail: [info@topmodelcz.cz](mailto:info@topmodelcz.cz)

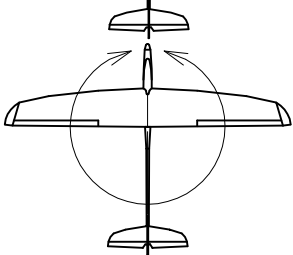
Order N°: 020100



1385mm



2960mm



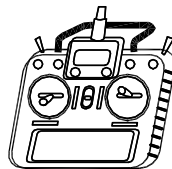
68dm<sup>2</sup>

26,5-35,3g/dm<sup>2</sup>



1,8 - 2,4kg

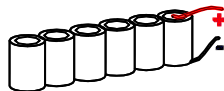
### Radio system you'll need :



5channel  
with  
6 servos



MVVS 4,6/840(Sport)



3S-4S Lixx >3Ah



AG

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

**GB - USA****Parts list**

<b>Part #</b>	<b>Part name</b>	<b>Material, dimensions</b>	<b>Loose</b>	<b>In bag</b>
	building instruction		01	-
1	fuselage	fibreglass	01	-
1-1	engine mount	fibreglass 3 mm	-	01
1-2	servo tray	plywood 4 x 56 x 60 mm	-	01
1-3	link support	balsa 5 x 10 x 56 mm	-	01
1-4	tow hook	steel Ø 3 mm, washer Ø 3 mm, nut M 3	-	01+02+02
1-5	tow hook support	plywood 3 x 16 x 50 mm	-	01
1-CT	cutting template			
2	wing	balsa assembly	02	-
2-1	aileron	balsa	02	-
2-11	flap	balsa	02	-
24	wing joiner	fibreglass Ø 8 x 155 mm	-	02
2-2	wing fixing screw	screw M 5 x 20 mm	-	02
2-21	centering pin	fibreglass Ø 3 x 30 mm	-	02
2-25	centering pin	fibreglass Ø 6 x 65 mm	-	01
2-3	captive nut	M 5	-	02
2-31	nut mount	plywood 3 x 23 x 53 mm	-	01
2-4	servo mount	polyurethan	-	08
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 1,5 mm	-	02
2-81	flap horn	fibreglass plate 1,5 mm	-	02
3	horizontal stabilazer	balsa assembly	02	-
3-21	centering pin	fibreglass Ø3mm L = 70mm	-	01
3-3	elevator joiner	fibreglass Ø 4 x 150 mm	-	01
3-5	elevator link	balsa Ø 10 x 770 mm	01	-
3-5F	elevator link	piano wire Ø 2 x 180 mm	-	01
3-5N	thread	2 m	-	01
3-5R	elevator link	wire M 2 x 180 mm	-	01
3-6F	threaded rod tip M2	MPJ 2762	-	01
3-6R	clevis	metal M2, nut M 2	-	01+01
3-8	elevator horn	fibreglass	-	01
4	fin	balsa assembly	01	-
4-3	closing strip	plywood 6 mm	-	01
4-5	rudder link	external bowden L= 900 mm, piano wire Ø1,2 mm L= 1000mm	01+01	-
4-6	threaded rod tip M2	MPJ 2762	-	01
4-8	rudder horn	fibreglass plate 1,5 mm	-	01
6	canopy	fibreglass	01	-
6-2	canopy fixing	fibreglass Ø2 x 200 mm	-	01
6-21	mount	plywood 1 x 6 x 12 mm	-	02
7	stickers		01	
11	pinned hinge	MS0124028	-	01

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.

**CZ Seznam dílů**

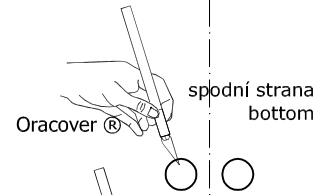
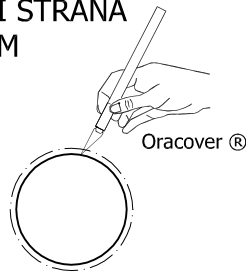
<b>Položka</b>	<b>Název dílu</b>	<b>Materiál, rozměr</b>	<b>Volně / ks</b>	<b>Balíček / ks</b>
	montážní návod		01	-
1	trup	laminát	01	-
1-1	motorová přepážka	sklotextit 3 mm	-	01
1-2	držák serva ocasních ploch	překližka 4 x 56 x 60 mm	-	01
1-3	držák bovdeny	b 5x10x56	-	01
1-4	vlečný háček	ocel $\varnothing$ 3 mm, podložka $\varnothing$ 3 mm, matice M 3		01+02+02
1-5	zesílení vlečného háčku	překližka 3 x 16 x 50 mm	-	01
1-CT	řezací šablona	překližka 3mm	05	-
2	křídlo	balsa konstrukční	03	-
2-1	křídélko	balsa	02	-
2-11	vztlaková klapka	balsa	02	-
24	spojka křídla	laminát $\varnothing$ 8 x 155 mm	-	02
2-2	uchycení křídla	šroub M 5 x 20 mm	-	02
2-21	aretační kolík	laminát $\varnothing$ 3 x 30 mm	-	02
2-25	aretační kolík	laminát $\varnothing$ 6 x 65 mm	-	01
2-3	uchycení křídla	matice M5	-	02
2-31	podložka matice	překližka 3 x 23 x 53	-	01
2-4	držák serva	polyuretan 13mm	-	08
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 1,5 mm	-	02
2-81	páka klapky	sklotextit 1,5 mm	-	02
3	výškovka	balsa konstrukční	02	-
3-21	aretační kolík	laminát $\varnothing$ 3mm L = 70mm	-	01
3-3	spojka VOP	laminát $\varnothing$ 4mm L = 150mm	-	01
3-5	táhlo VOP	balsa 10x10, L = 770mm	01	-
3-5F	táhlo VOP	ocel $\varnothing$ 2mm L = 180mm	-	01
3-5N	nit	2 m	-	01
3-5R	táhlo VOP	ocel M2; L = 180mm	-	01
3-6F	koncovka táhla	MPJ 2762	-	01
3-6R	koncovka táhla	vidlička kovová M2, matice M2	-	01+01
3-8	páka	laminát	-	01
4	směrovka	balsa konstrukční	01	-
4-3	steven	překližka 6 mm	-	01
4-5	táhlo směrovky	bovden $\varnothing$ 3mm L = 900mm ocel. drát $\varnothing$ 1,2mm L = 1000mm	01+01	
4-6	koncovka táhla	MPJ 2762	-	01
4-8	páka směrovky	sklotextit 1,5 mm	-	01
6	kabina	laminát	01	-
6-2	uchycení kabiny	laminát $\varnothing$ 2 x 200 mm	-	01
6-21	podložka	př. 1 x 6 x 12	-	02
7	obtisky		01	
11	závěsy kormidel	MS0124028	-	02

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

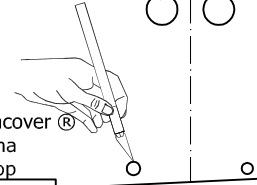


SPODNÍ STRANA  
BOTTOM

②

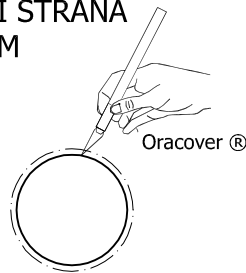


Oracover®  
spodní + horní strana  
bottom + top



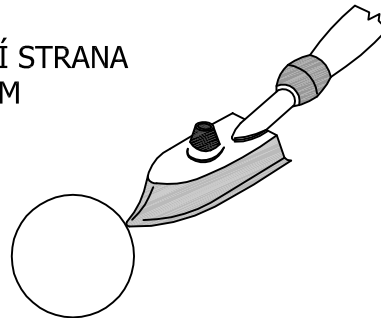
SPODNÍ STRANA  
BOTTOM

②



SPODNÍ STRANA  
BOTTOM

②

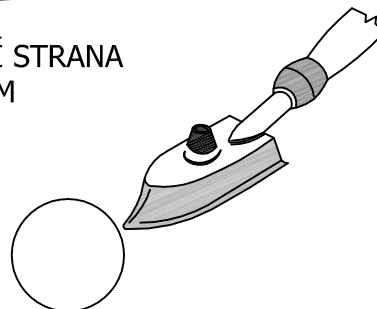


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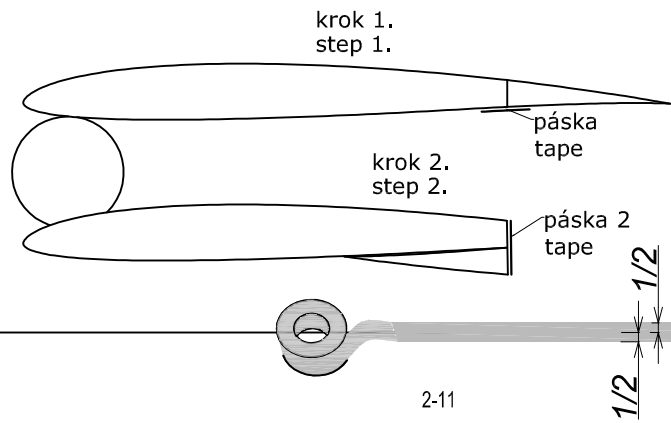


SPODNÍ STRANA  
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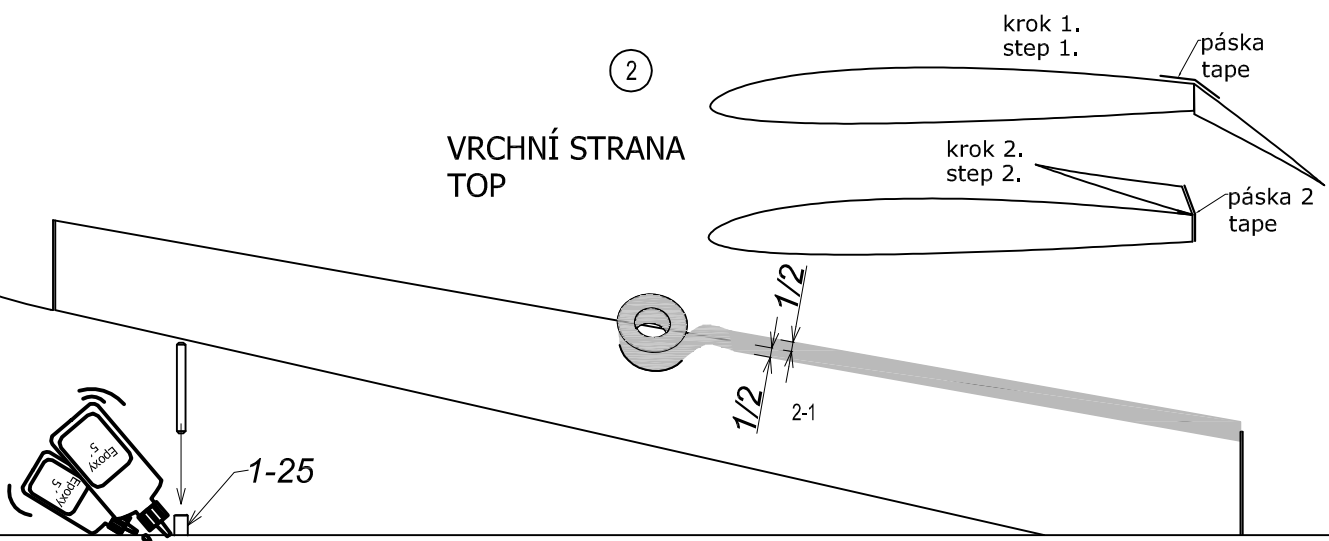
②



②  
SPODNÍ STRANA  
BOTTOM



②  
VRCHNÍ STRANA  
TOP



②

②

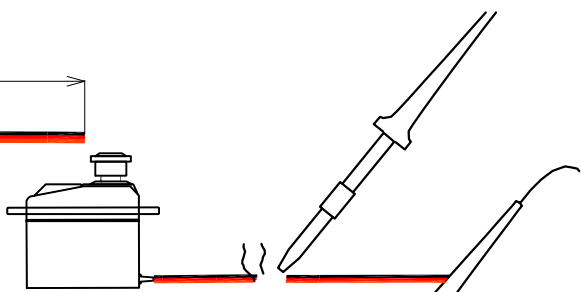
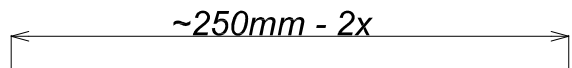
2-21

2

pro servo klapek  
for flaps servo



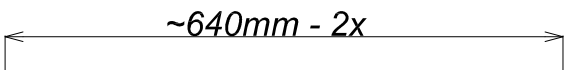
~250mm - 2x



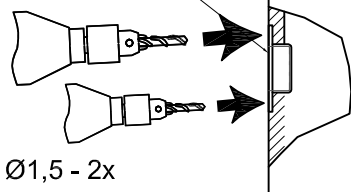
pro servo křidélek  
for aileron servo



~640mm - 2x



Nes001



Ø1,5 - 2x

2

2

zástrčka  
plug

MULTIPLEX 6 PIN - 2x

2

SPODNÍ STRANA  
BOTTOM



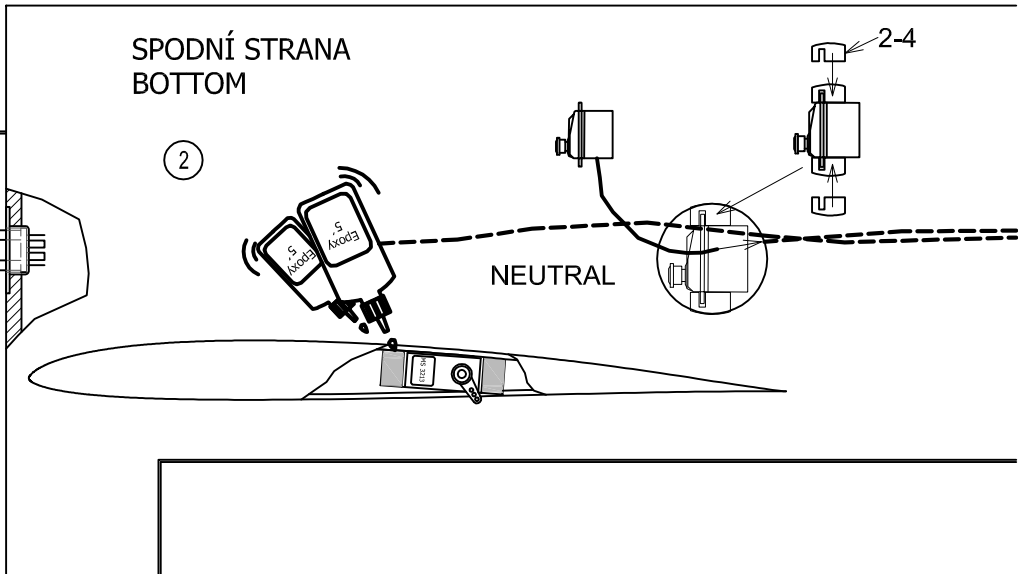
MULTIPLEX 6 PIN - 2x (L +R)  
zástrčka  
plug

SPODNÍ STRANA  
BOTTOM

2

NEUTRAL

2-4



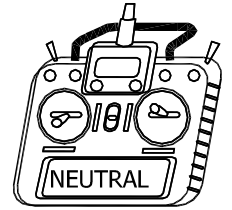
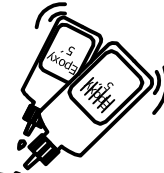
SPODNÍ STRANA  
BOTTOM

2

Ø1,5 pro 2-81  
Ø1,5 for 2-81

2-5

"Z"



2-81

2-11

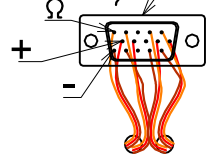
"Z"

2-5

2-6

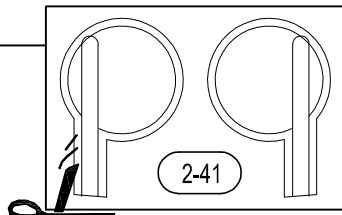
2-81

"CANON" 15pin



SPODNÍ STRANA  
BOTTOM

2

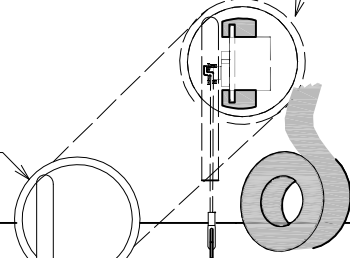


2-41

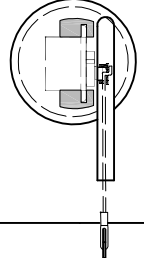
2-41



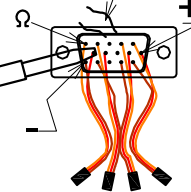
2-41



2-11

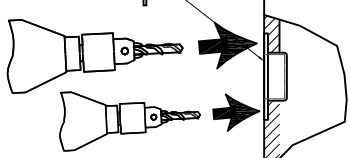


"CANON" 15pin



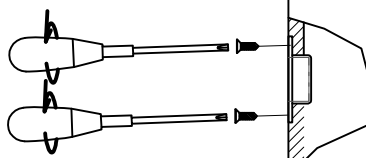
SERVO 1	SERVO 2	SERVO 3	SERVO 4
+ = +	+ = +	+ = +	+ = +
- = -	- = -	- = -	- = -
Ω = Ω	Ω = Ω	Ω = Ω	Ω = Ω

Nes001



Ø1,5 - 2x

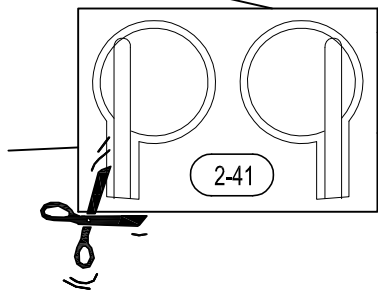
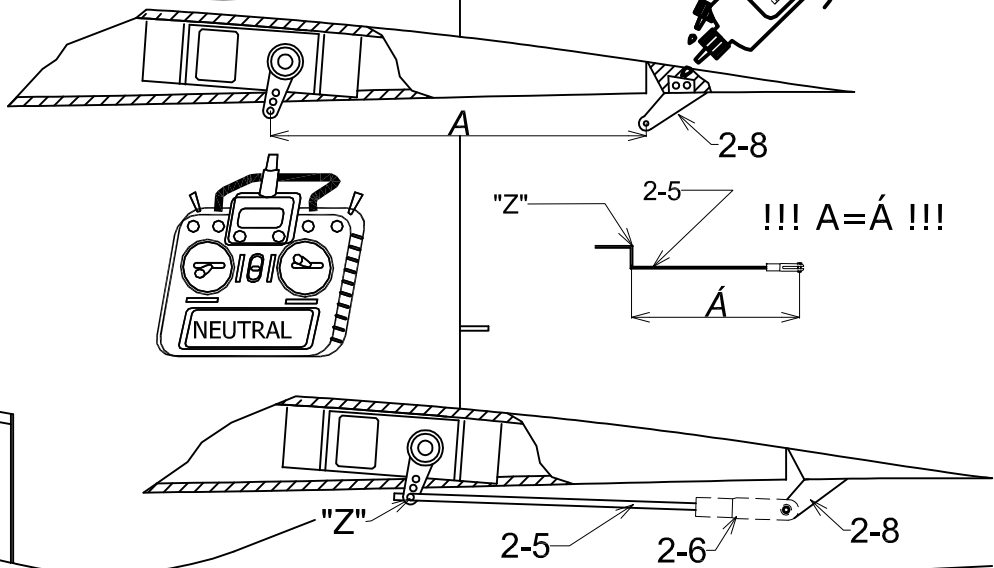
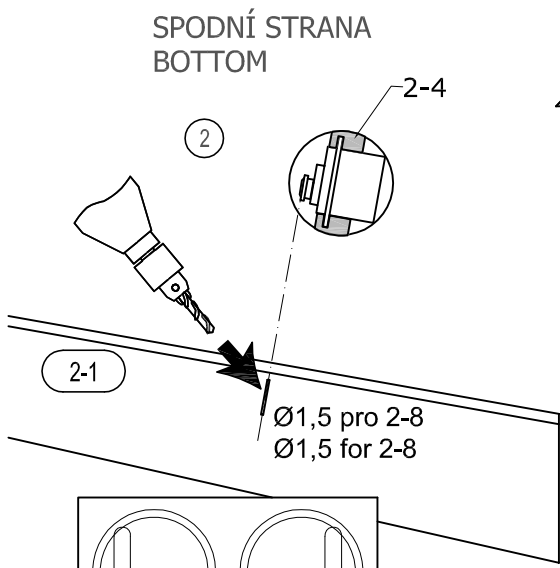
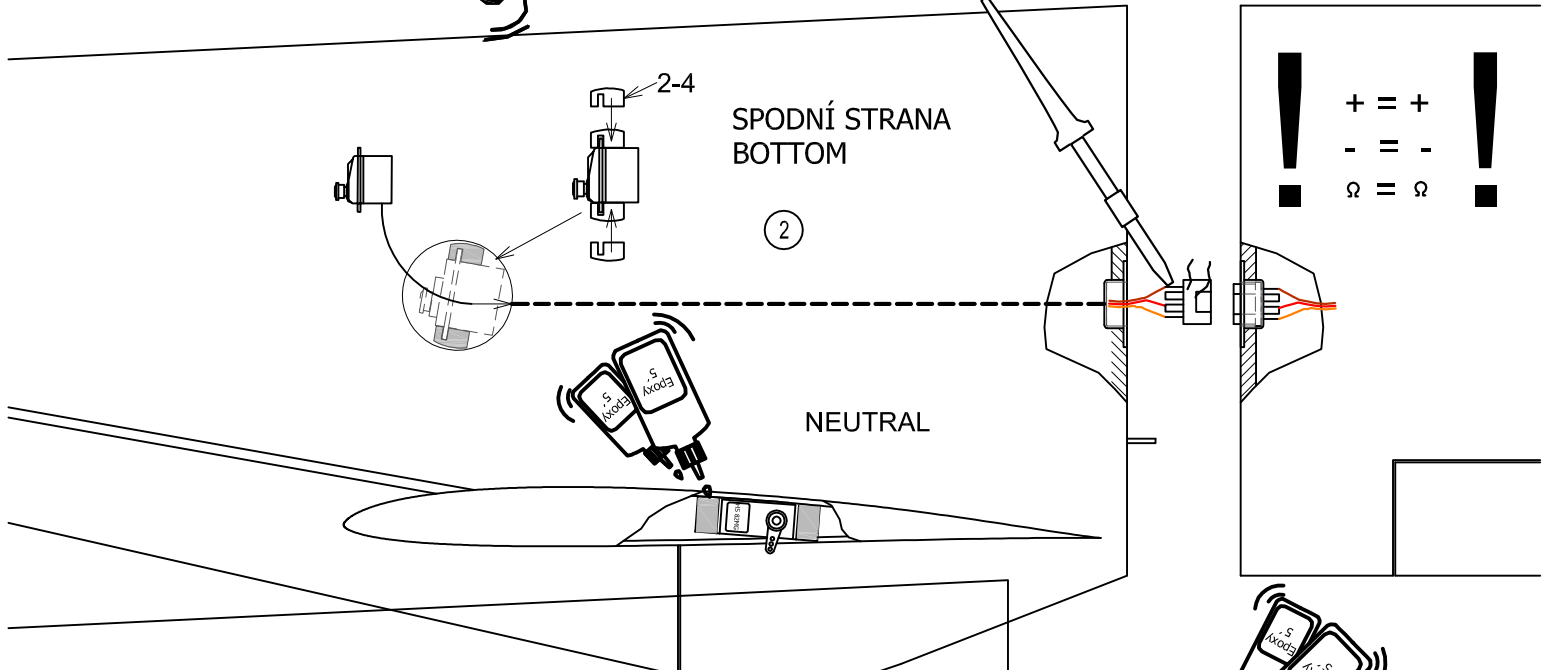
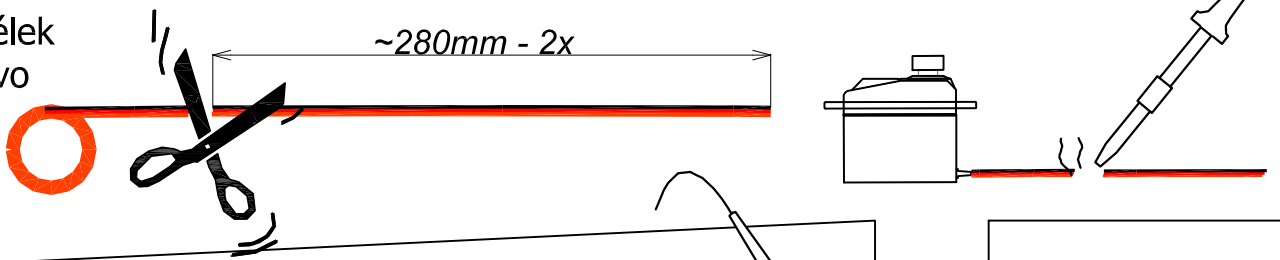
2



2

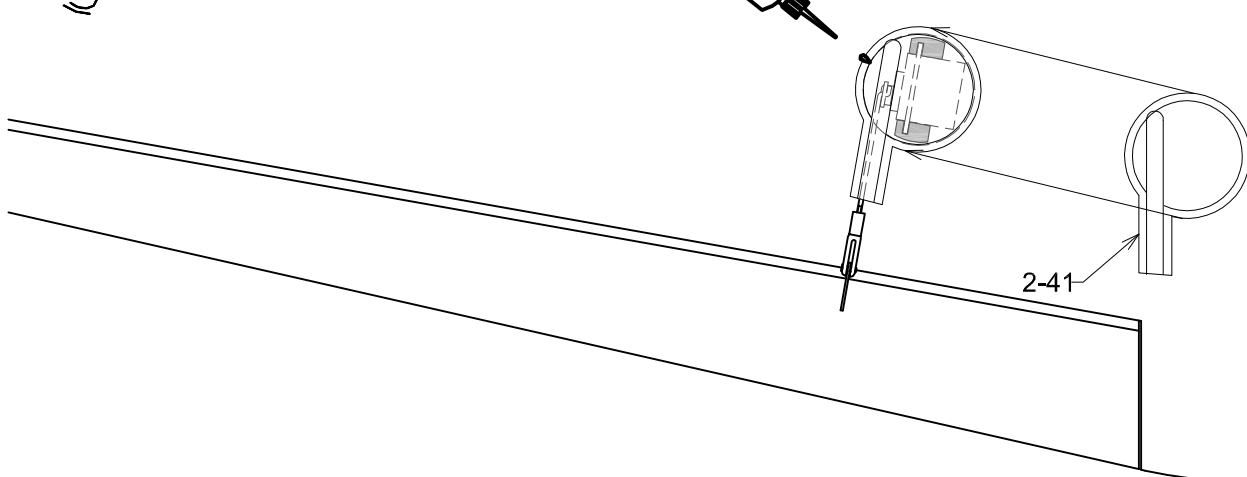


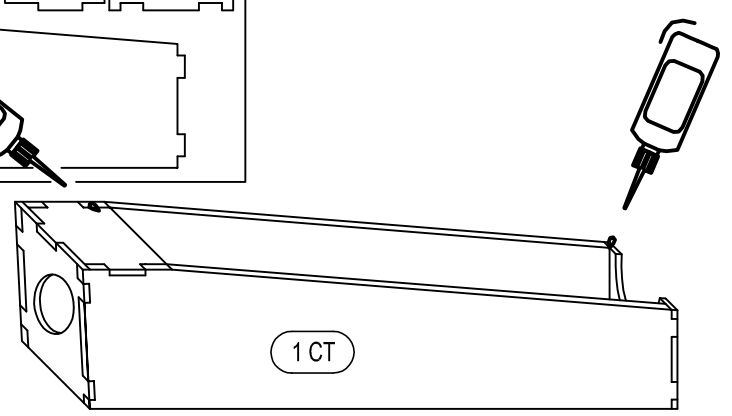
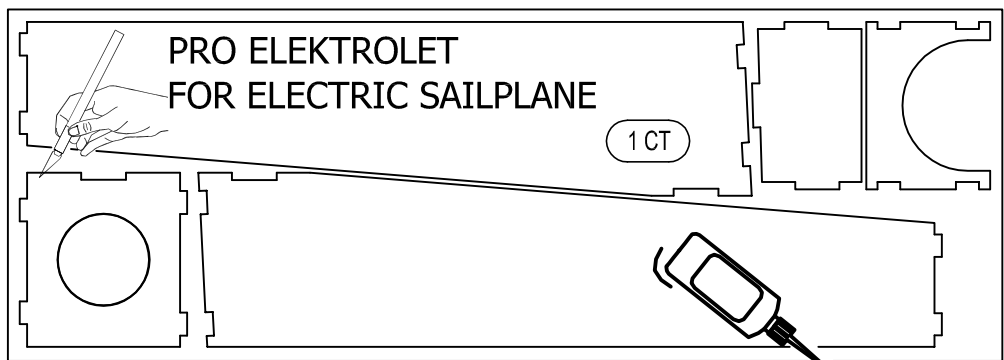
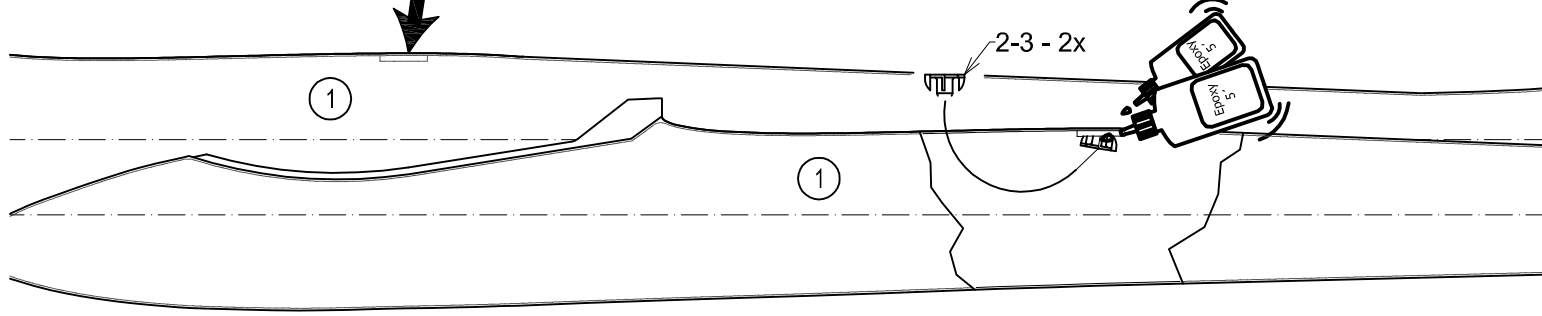
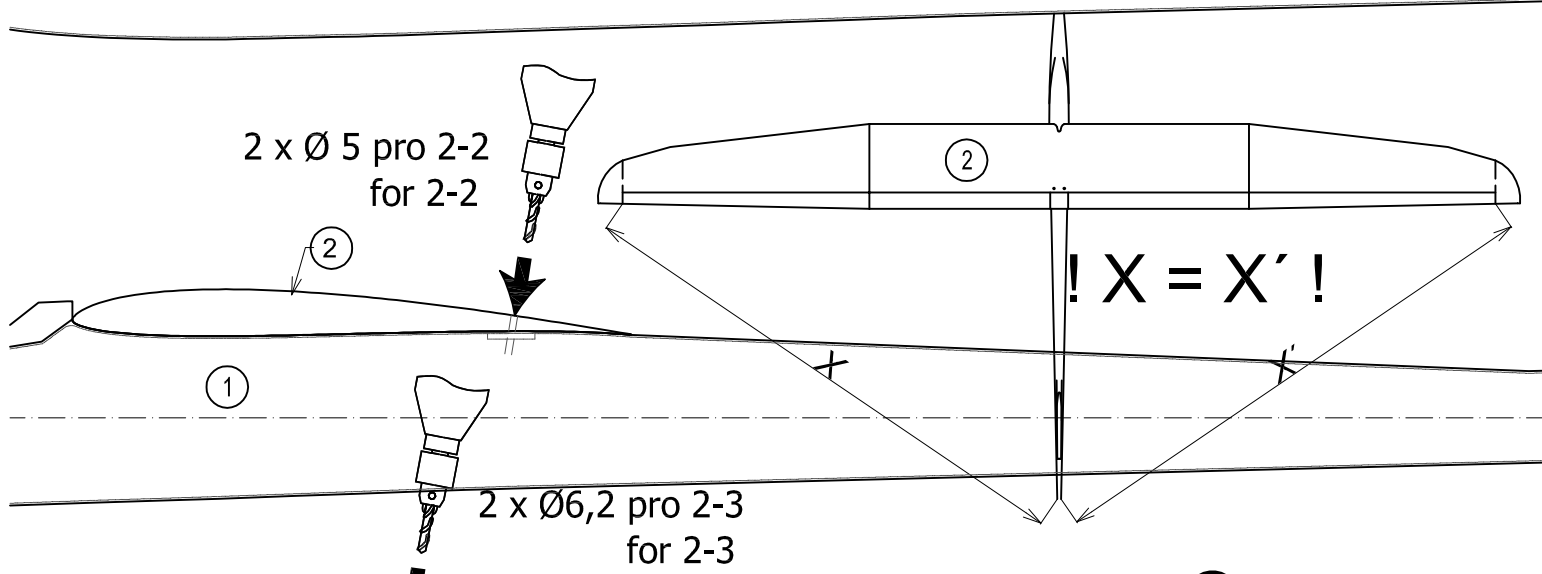
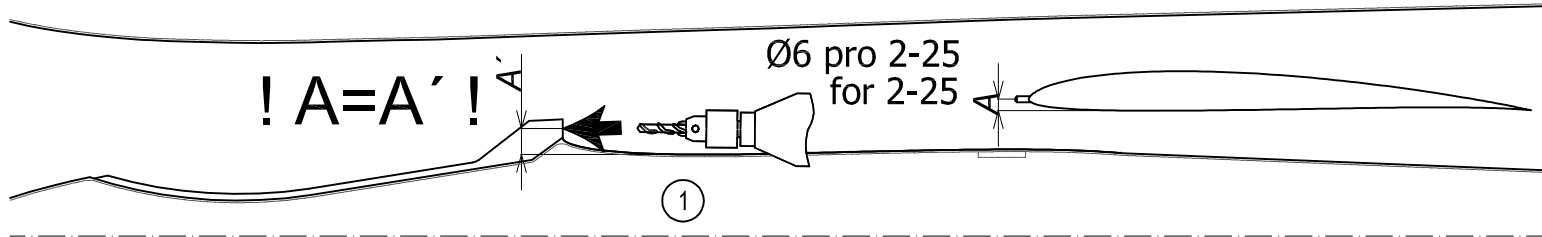
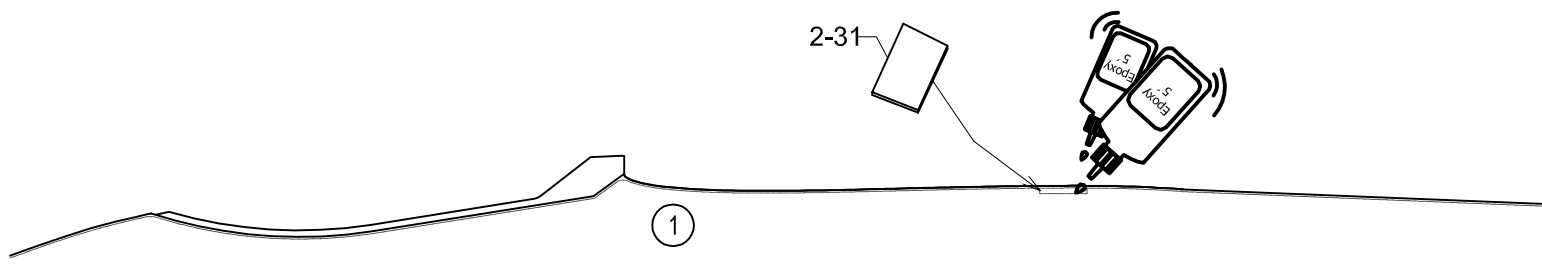
pro servo křidélek  
for aileron servo



kontaktní lepidlo (Chemopren)  
dry-bond adhesive

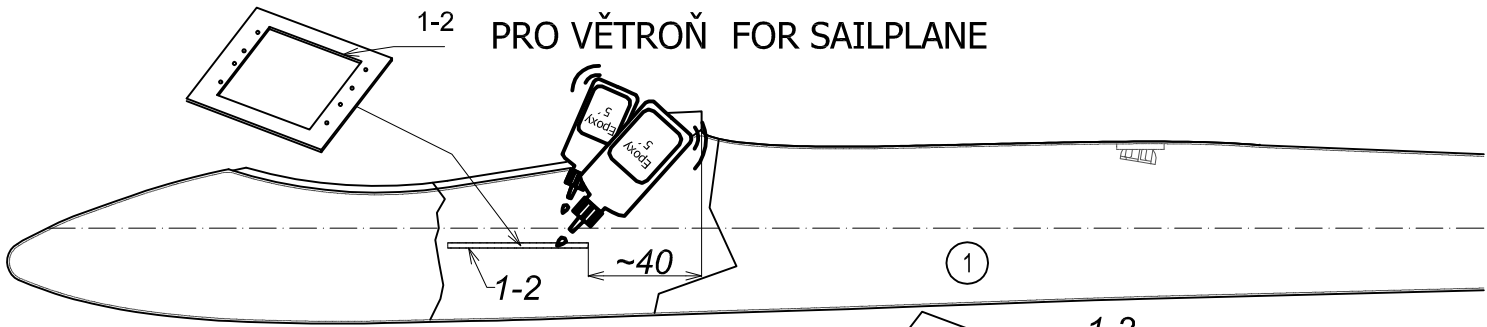
SPODNÍ STRANA  
BOTTOM



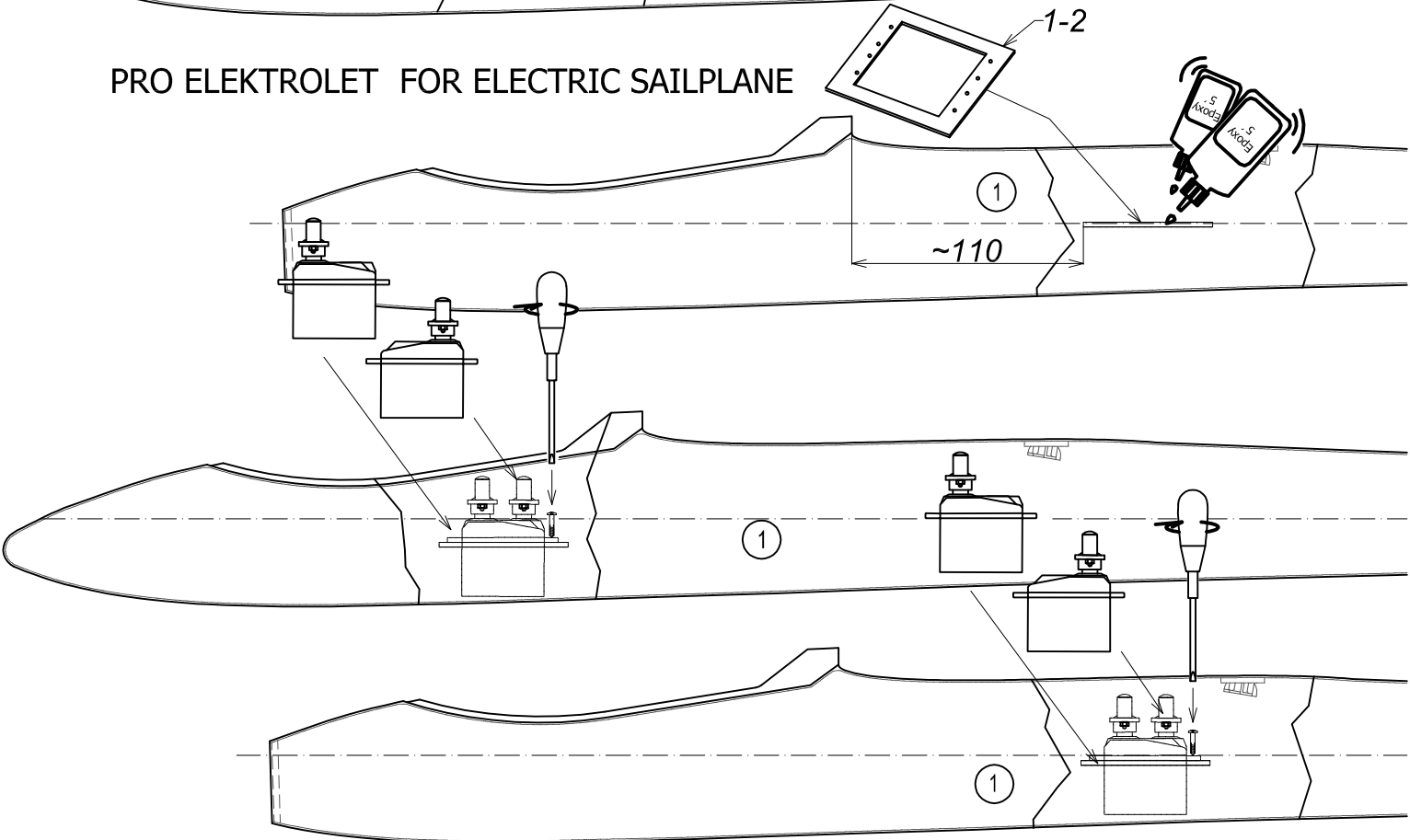




1-2 PRO VĚTROŇ FOR SAILPLANE

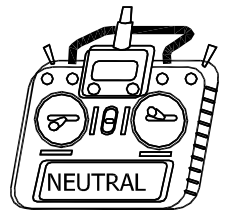
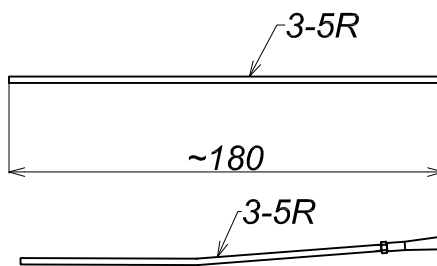
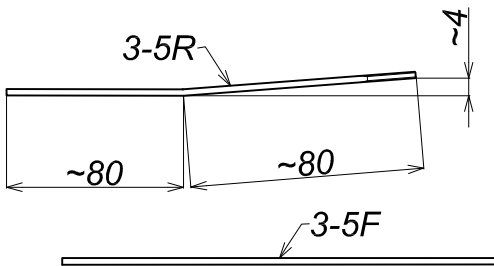
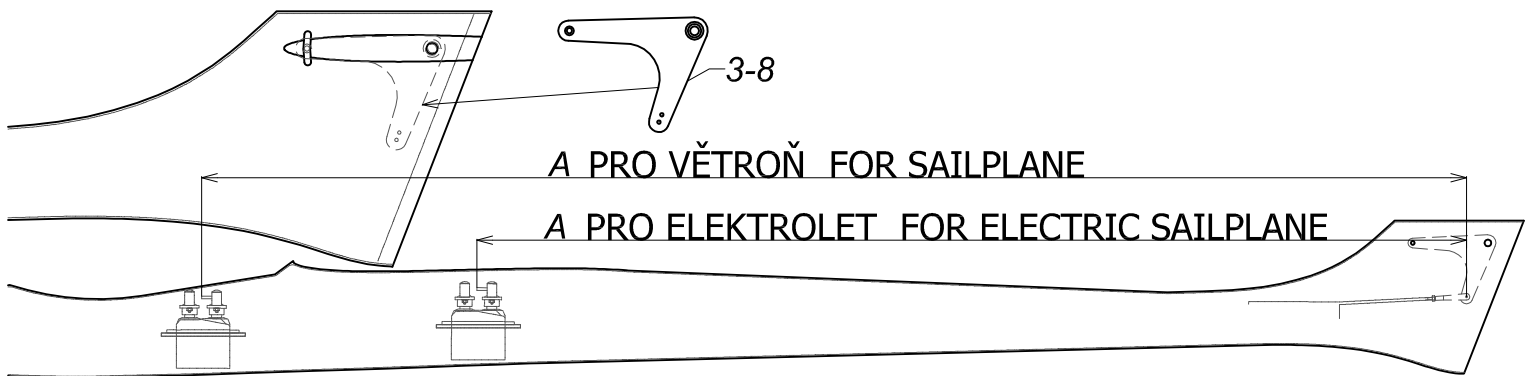


PRO ELEKTROLET FOR ELECTRIC SAILPLANE



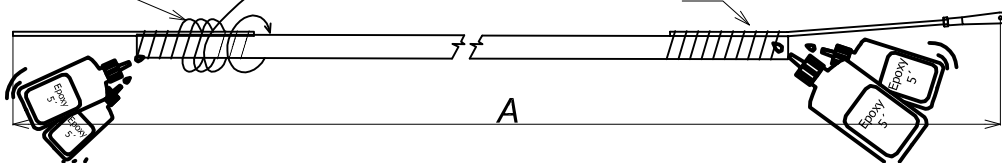
A PRO VĚTROŇ FOR SAILPLANE

A PRO ELEKTROLET FOR ELECTRIC SAILPLANE

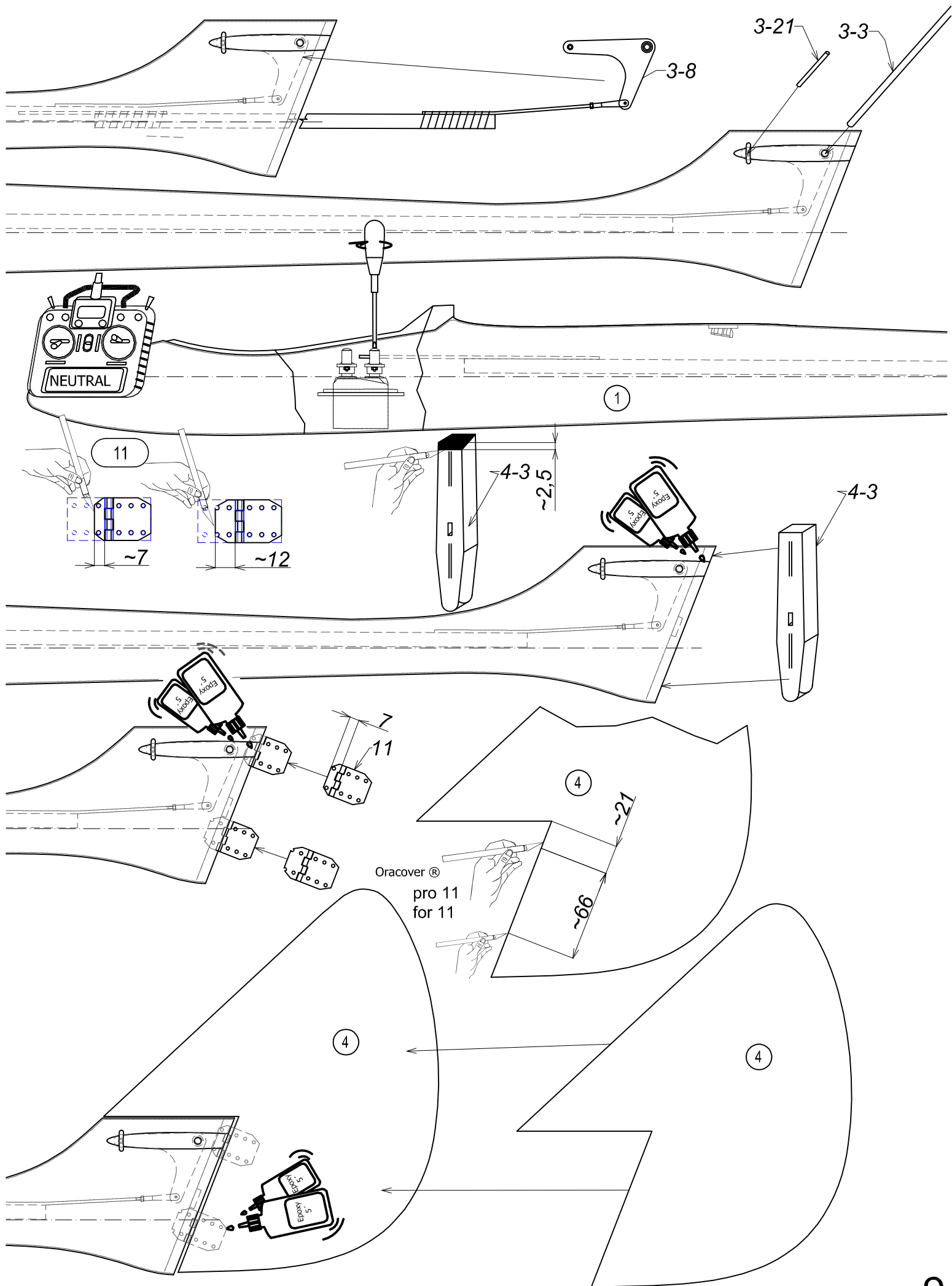


omotat nití  
bind with string

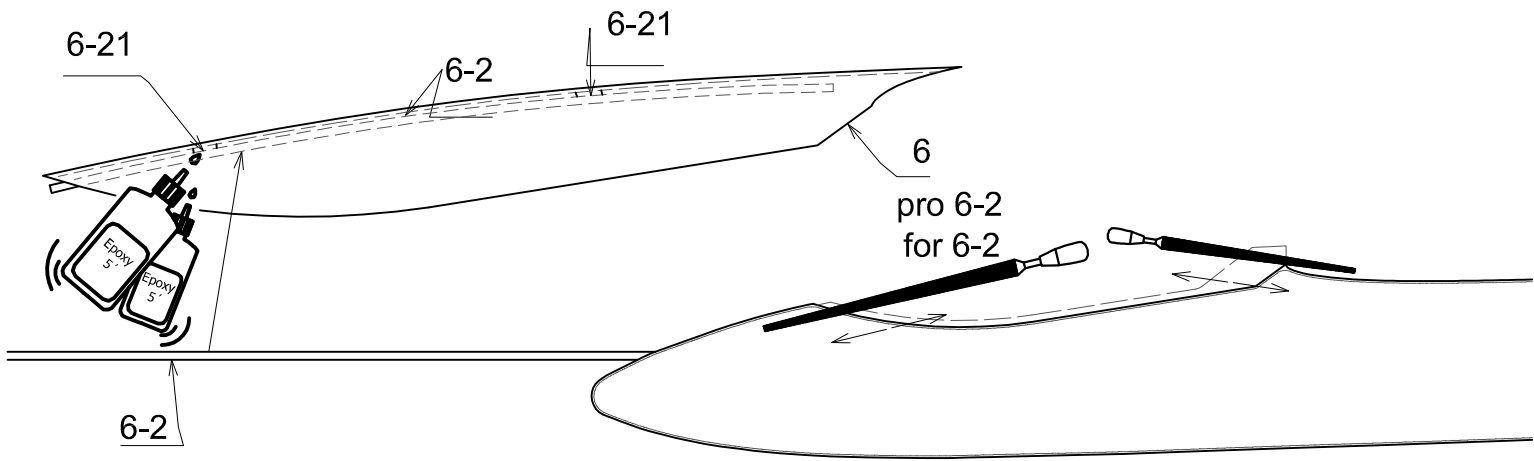
omotat nití  
bind with string



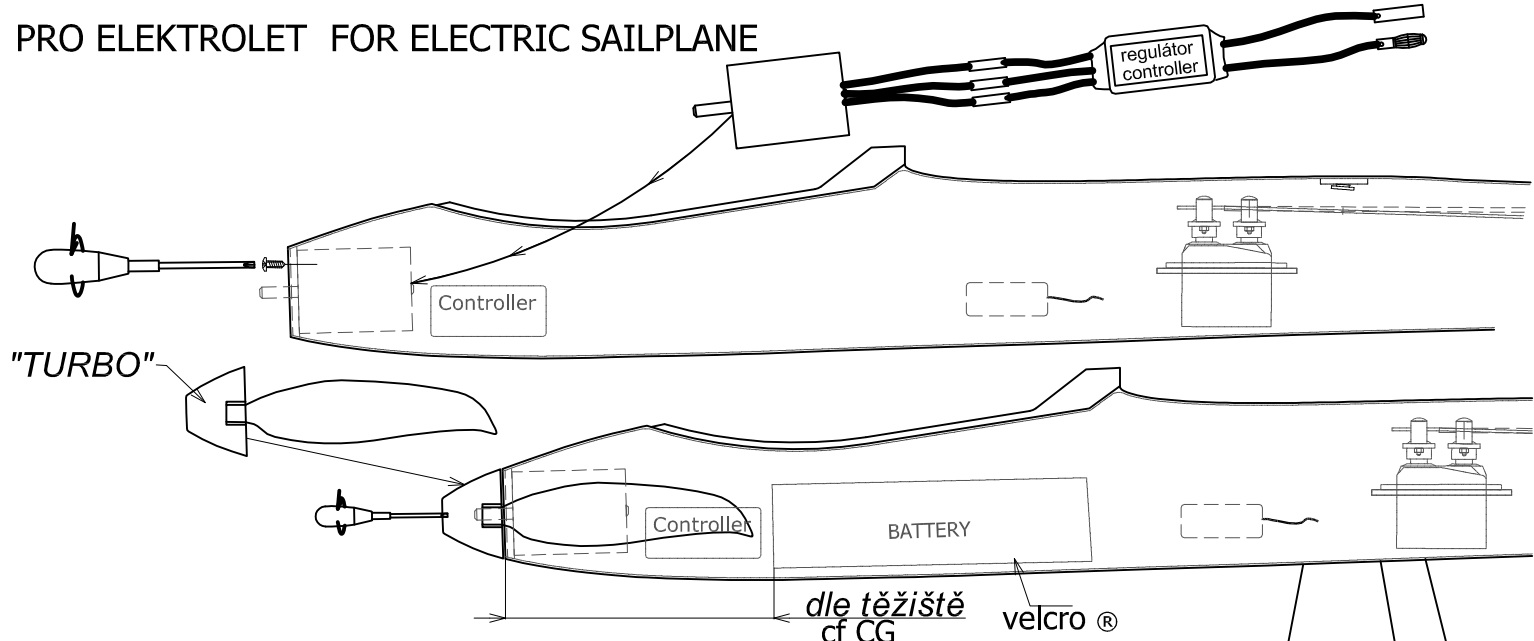
A = A



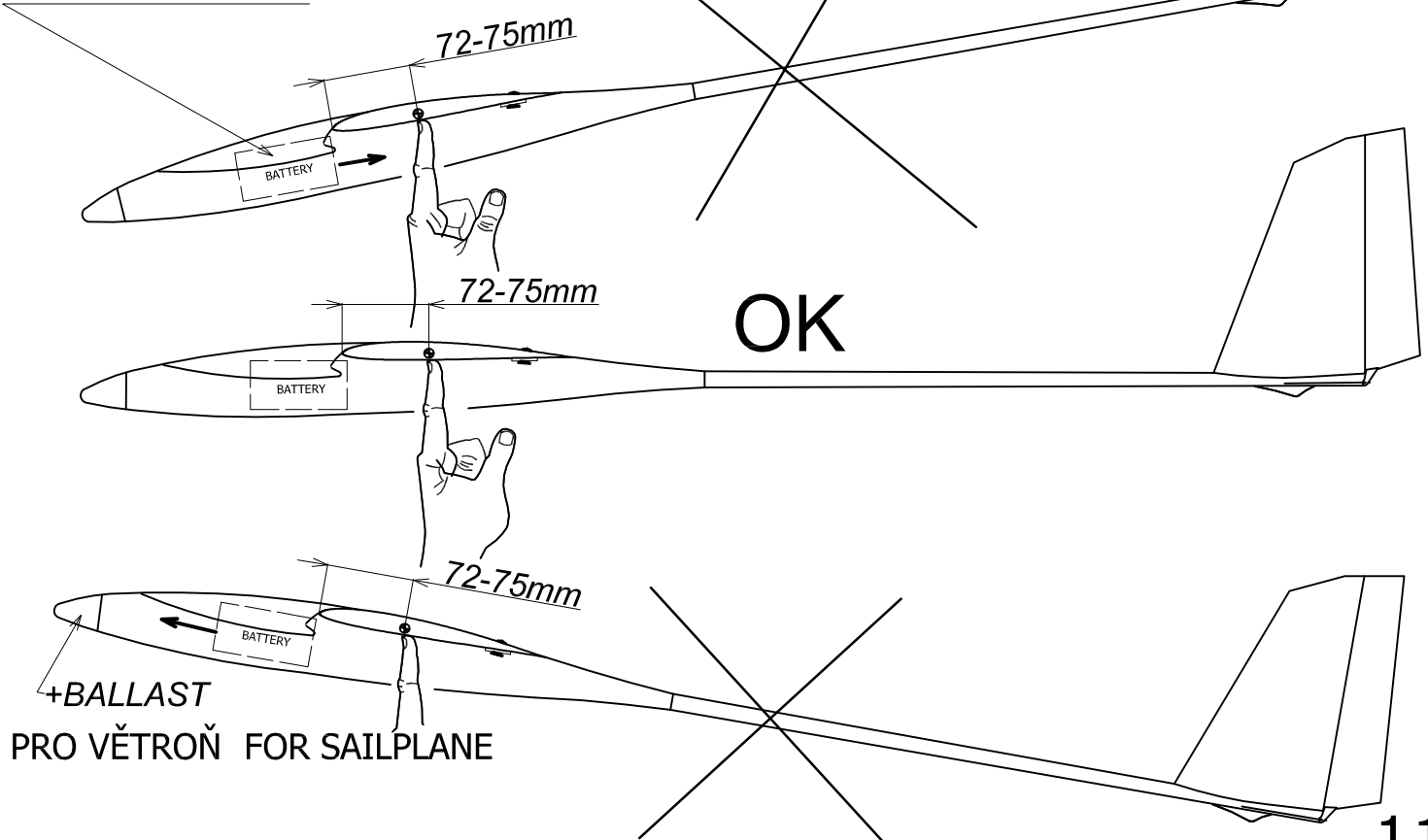




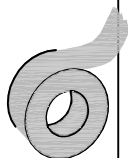
PRO ELEKTROLET FOR ELECTRIC SAILPLANE



PRO ELEKTROLET FOR ELECTRIC SAILPLANE



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### **Doporučené výchylky kormidel:**

Křídélka: nahoru 18°  
dolů 11°

Výškovka: nahoru 8°  
dolů 8°

Směrovka: 25°

### **Nastavení pro let v termice:**

Křídélka jako vztlačová klapka: dolů 1-1,5°

Vztlačová klapka: dolů 2°

### **Nastavení pro přistání:**

Vztlačová klapka jako brzdy (pro přistání): dolů 80°

Křídélka jako brzdy ( pro přistání ): nahoru 17°

Výškovka pro přistání: -5° ( potlačení - kompenzace klopného momentu klapek )

### **Recommended rudder angles:**

Ailerons: up 18 °  
down 11 °

Elevator: Up 8 °  
down 8 °

Rudder: 25 °

### **Settings for thermal flying:**

Ailerons works as flap: down 1-1.5 °

Flap: down 2 °

### **Settings for landing:**

Flap works as airbrakes (for landing): down 80 °

Ailerons works as airbrakes (for landing): up 17 °

Elevator for landing: -5 ° (suppression - compensation of overturning moment for flaps)

### **RECOMMENDED EQUIPMENT:**

		Pieces		Item No. <a href="http://www.topmodelcz.cz">www.topmodelcz.cz</a>
Transmitter	5 channel			
Receiver	7 channel			
Servo	<a href="#">HS-82 MG</a>	2	ailerons	<a href="#">1H17297</a>
	<a href="#">HS-82 MG</a>	2	flaps	<a href="#">1H17297</a>
	<a href="#">HS-485 HB</a>	2	elevator & rudder	<a href="#">1H13085</a>
Motor	<a href="#">MVVS 4,6/840 SPORT</a>	1		<a href="#">#2049</a>
Controller	<a href="#">SPIN 55</a>	1		<a href="#">1RC23204</a>
Spinner	<a href="#">turbo for folding props 40/5/8</a>	1		<a href="#">0201559</a>
Propeller	<a href="#">CAM CARBON 13/6,5"</a>	1	for 4S LiPo	<a href="#">723458</a>
	<a href="#">CAM CARBON 14/8"</a>	1	for 3S LiPo	<a href="#">723468</a>
Battery	14,8V/3-3,3Ah	1		<a href="#">HP-LG335-3300-4S</a>
	11,1V/3-3,3Ah	1		<a href="#">HP-LG335-3300-3S</a>

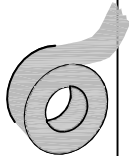
### **ATTENTION:**

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.



2



2

### **Doporučené výchylky kormidel:**

Křídélka: nahoru 18°  
dolů 11°

Výškovka: nahoru 8°  
dolů 8°

Směrovka: 25°

### **Nastavení pro let v termice:**

Křídélka jako vztlaková klapka: dolů 1-1,5°

Vztlaková klapka: dolů 2°

### **Nastavení pro přistání:**

Vztlaková klapka jako brzdy (pro přistání): dolů 80°

Křídélka jako brzdy ( pro přistání ): nahoru 17°

Výškovka pro přistání: -5° ( potlačení - kompenzace klopného momentu klapek )

### **Recommended rudder angles:**

Ailerons: up 18 °  
down 11 °

Elevator: Up 8 °  
down 8 °

Rudder: 25 °

### **Settings for thermal flying:**

Ailerons works as flap: down 1-1.5 °

Flap: down 2 °

### **Settings for landing:**

Flap works as airbrakes (for landing): down 80 °

Ailerons works as airbrakes (for landing): up 17 °

Elevator for landing: -5 ° (suppression - compensation of overturning moment for flaps)

### **DOPORUČENÉ PŘÍSLUŠENSTVÍ :**

		kusů		objednací číslo <a href="http://www.topmodelcz.cz">www.topmodelcz.cz</a>
vysílač	5 kanál			
přijímač	7 kanál			
servo	<a href="#">HS-82 MG</a>	2	křídélka	<a href="#">1HI3040</a>
	<a href="#">HS-82 MG</a>	2	vztlakové klapky	<a href="#">1HI3040</a>
	<a href="#">HS-485</a>	2	směrovka a výškovka	<a href="#">1HI3085</a>
motor	<a href="#">MVVS 4,6/840 sport</a>	1		<a href="#">#2049</a>
regulátor	<a href="#">SPIN 55</a>	1		<a href="#">1RC23204</a>
kužel	<a href="#">TURBO 40/5,0/8</a>	1		<a href="#">0201559</a>
vtule	<a href="#">CAM CARBON 13/6,5"</a>	1	pro pohon 4S LiPol	<a href="#">723458</a>
	<a href="#">CAM CARBON 14/8"</a>	1	pro pohon 3S LiPol	<a href="#">723468</a>
akumulátory	14,8V/3-3,3Ah	1		<a href="#">HP-LG335-3300-4S</a>
	11,1V/3-3,3Ah	1		<a href="#">HP-LG335-3300-3S</a>