

ELECTRO SAILPLANE

SPORT



Manufactured by:

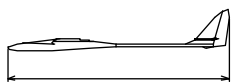
TOPMODEL CZ

679 05 HABRŮVKA 100 - CZECH REPUBLIC

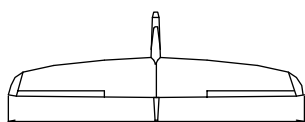
www.topmodelcz.cz

e-mail: info@topmodelcz.cz

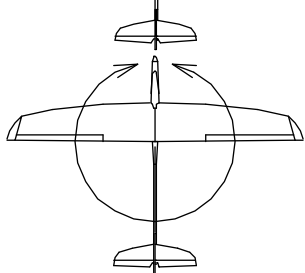
Order N°: 020117



1385mm



2350mm

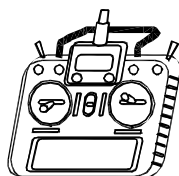


50dm²
30-34g/dm²

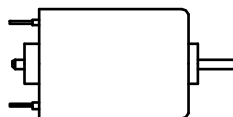


1,5 - 1,7kg

Radio system you'll need :



5channel
with
6 servos



MVVS 3,5/960



3S Lixx 2,2-2,6Ah



AG

*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 3mm | | 01 |
| 1-2 | servo tray | plywood 4x56x60mm | | 01 |
| 1-3 | link support | balsa 5x10x56 | | 01 |
| 1-CT | cutting template | plywood 3mm | 01 | |
| 2 | wing | balsa assembly | 02 | |
| 2-1 | aileron | balsa | 02 | |
| 2-11 | flap | balsa | 02 | |
| 2-2 | wing fixing screw | M4x20 | | 02 |
| 2-21 | centering pin | fibreglass Ø3x30mm | | 01 |
| 2-25 | centering pin | fibreglass Ø4x75mm | | 02 |
| 2-3 | wing nut | AL M4 | | 02 |
| 2-31 | nut mount | plywood 3x23x53 | | 01 |
| 2-4 | servo mount | polyurethan 12mm | | 08 |
| 2-41 | wing servo cover | ABS plastic | | 04 |
| 2-5 | aileron&flap pushrod | steel Ø1,8mm | | 04 |
| 2-6 | clevis | MPJ 2110 | | 04 |
| 2-8 | aileron horn | fibreglass plate 1,5mm | | 02 |
| 2-81 | flap horn | fibreglas plate 1,5mm | | 02 |
| 24 | wing joiner | Al+carbon Ø10x180mm | | 01 |
| 3 | horizontal stabilizer | balsa assembly | | 02 |
| 3-21 | centering pin | fibreglass Ø3x70mm | | 01 |
| 3-3 | elevator joiner | fibreglass Ø4x150mm | | 01 |
| 3-5 | elevator link | balsa Ø10x770mm | 01 | |
| 3-5F | elevator link | steel Ø2x180mm | | 01 |
| 3-5N | thread | 2m | | 01 |
| 3-5R | elevator link | steel M2x180mm | | 01 |
| 3-6F | threaded rod tip M2 | MPJ 2762 | | 01 |
| 3-6R | clevis | metal M2, nut M2 | | 01+01 |
| 3-8 | elevator horn | fibreglass plate 2mm | | 01 |
| 4 | fin | balsa assembly | 01 | |
| 4-3 | closing strip | plywood 6mm | | 01 |
| 4-5 | rudder link | bowden Ø3x900mm, steel Ø1,2x1000mm | 01 01 | |
| 4-6 | threaded rod tip M2 | MPJ 2762 | | 01 |
| 4-8 | rudder horn | fibreglass plate 1,5mm | | 01 |
| 6 | canopy | fibreglass | 01 | |
| 6-2 | canopy fixing | fibreglass Ø2x200mm | | 01 |
| 6-21 | mount | plywood 1x6x12mm | | 02 |
| 7 | stickers | | 04 | |
| 11 | pinned hinge | MS0124028 | | 02 |

RECOMMENDED EQUIPMENT

| | | Pieces | | Item No. www.topmodelcz.cz |
|-------------|---------------------------|--------|-----------------------|---|
| transmitter | 5 channel | | | |
| reciever | 6-7 channel | | | |
| servo | HS-82MG | 2 | for ailerons & flaps | 1HI7297 |
| | HS-485HB | 2 | for elevator & rudder | 1HI3085 |
| motor | NVVS 3,5/960 | 1 | | 2045 |
| controller | SPIN 44 | 1 | | 1RC23203 |
| spinner | turbo Ø40;5;8 | 1 | | 0201559 |
| propeller | CAM Carbon 12x6,5" | 1 | | 723446 |
| battery | Hyperion G3 VX-3S 2600mAh | 1 | | HP-LG335-2600-3S |

ATTENTION!

This model construction kit is not a toy and is not suitable for children under the age of 14. Incorrect use of this model could cause material damage or personal injury. You are fully responsible for your actions when you use this model.

Fly at a safe distance from occupied zones. Before switching on the radio, be sure, that no one else is using the same frequency as you !

Before first take-off check up please the center of gravity, the sense and size of the control surface angle and if model aeroplane parts aren't crooked. The reparation is possible through the use of hot-air dryer.

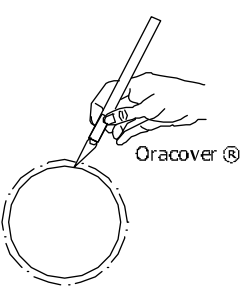
| Položka | Název dílu | Materiál/rozměr | Volně/ks | Balíček/ks |
|---------|-------------------------|--|----------|------------|
| | montážní návod | | 01 | |
| 1 | trup | laminát | 01 | |
| 1-1 | motorová přepážka | sklotextit 3mm | | 01 |
| 1-2 | držák serv OP | překližka 4x56x60mm | | 01 |
| 1-3 | držák bovdenu | B5x10x56 | | 01 |
| 1-CT | řezací šablona | překližka 3mm | 01 | |
| 2 | křídlo | balsa konstrukční | 02 | |
| 2-1 | křídélko | balsa | 02 | |
| 2-11 | vztlaková klapka | balsa | 02 | |
| 2-2 | šroub křídla | M4x20 | | 02 |
| 2-21 | aretační kolík | laminát Ø3x30mm | | 01 |
| 2-25 | aretační kolík | laminát Ø4x75mm | | 02 |
| 2-3 | matice křídla | AL M4 | | 02 |
| 2-31 | podložka matice | překližka 3x23x53 | | 01 |
| 2-4 | držák serva | polyuretan 12mm | | 08 |
| 2-41 | krytka serva | ABS folie | | 04 |
| 2-5 | táhlo křídélka a klapky | ocel Ø1,8mm | | 04 |
| 2-6 | koncovka táhla | MPJ 2110 | | 04 |
| 2-8 | páka křídélka | sklotextit 1,5mm | | 02 |
| 2-81 | páka klapky | sklotextit 1,5mm | | 02 |
| 24 | spojka křídla | Al+uhlík Ø10x180mm | | 01 |
| 3 | výškovka | balsa konstrukční | | 02 |
| 3-21 | aretační kolík | laminát Ø3x70mm | | 01 |
| 3-3 | spojka VOP | laminát Ø4x150mm | | 01 |
| 3-5 | táhlo VOP | balsa Ø10x770mm | 01 | |
| 3-5F | táhlo VOP | ocel Ø2x180mm | | 01 |
| 3-5N | nit | 2m | | 01 |
| 3-5R | táhlo VOP | ocel M2x180mm | | 01 |
| 3-6F | koncovka táhla | MPJ 2762 | | 01 |
| 3-6R | koncovka táhla | vidlička kov M2, matice M2 | | 01+01 |
| 3-8 | páka VOP | sklotextit 2mm | | 01 |
| 4 | směrovka | balsa konstrukční | 01 | |
| 4-3 | steven | překližka 6mm | | 01 |
| 4-5 | táhlo směrovky | bovden Ø3x900mm, ocel. drát Ø1,2x1000mm | 01 01 | |
| 4-6 | koncovka táhla | MPJ 2762 | | 01 |
| 4-8 | páka směrovky | sklotextit 1,5mm | | 01 |
| 6 | kabina | laminát | 01 | |
| 6-2 | uchcení kabiny | laminát Ø2x200mm | | 01 |
| 6-21 | podložka | překližka 1x6x12mm | | 02 |
| 7 | obtisky | | 04 | |
| 11 | závěsy kormidel | MS0124028 | | 02 |

Doporučená výbava

| | | Kusů | | Obj.číslo www.topmodelcz.cz |
|--------------|---------------------------|------|-------------------------|--|
| vysílač | 5 kanálů | | | |
| přijímač | 6-7 kanálů | | | |
| servo | HS-82MG | 2 | pro křídélka a klapky | 1HI7297 |
| | HS-485HB | 2 | pro směrovku a výškovku | 1HI3085 |
| motor | MVVS 3,5/960 | 1 | | 2045 |
| regulátor | SPIN 44 | 1 | | 1RC23203 |
| kužel | turbo Ø40;5;8 | 1 | | 0201559 |
| listy vrtule | CAM Carbon 12x6,5" | 1 | | 723446 |
| akumulátor | Hyperion G3 VX-3S 2600mAh | 1 | | HP-LG335-2600-3S |

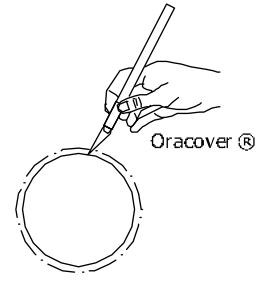
Před prvním startem zkontrolujte jestli nejsou díly modelu zkroucené. Náprava je možná pomocí horkovzdušné pistole. Dále zkontrolujte polohu těžště, smysl a velikost vychylek kormidel.

Oracover®

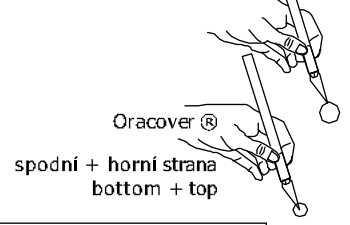


SPODNÍ STRANA BOTTOM

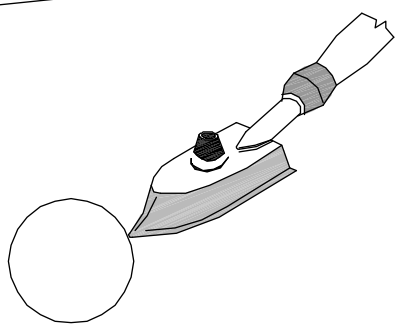
2



Oracover®
spodní strana
bottom

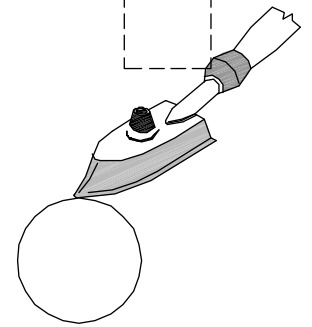


Oracover®
spodní + horní strana
bottom + top



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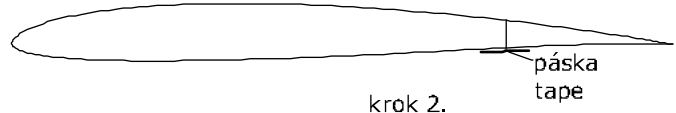
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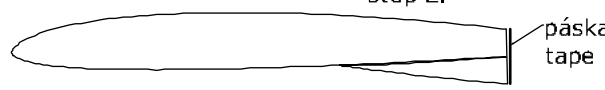
2

krok 1.
step 1.



páska
tape

krok 2.
step 2.



páska 2
tape



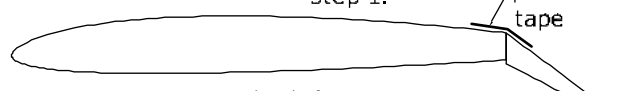
2-11

1/2
1/2

VRCHNÍ STRANA TOP

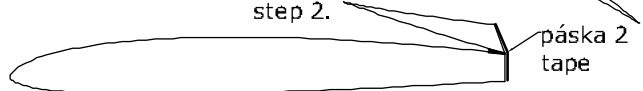
2

krok 1.
step 1.



páska
tape

krok 2.
step 2.



páska 2
tape



1/2
1/2

2-1

2

2-25

2-21

2

2-21

~180mm - 2x

pro serva klapek
for flaps servo

~600mm - 2x

pro serva křídélek
for ailerons servo

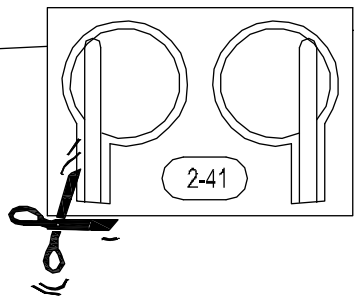
~180mm

~600mm

SPODNÍ STRANA
BOTTOM

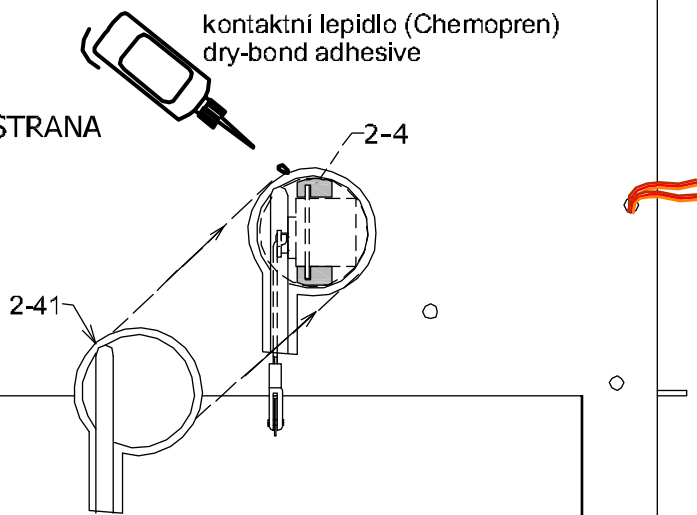
2

2-4



SPODNÍ STRANA
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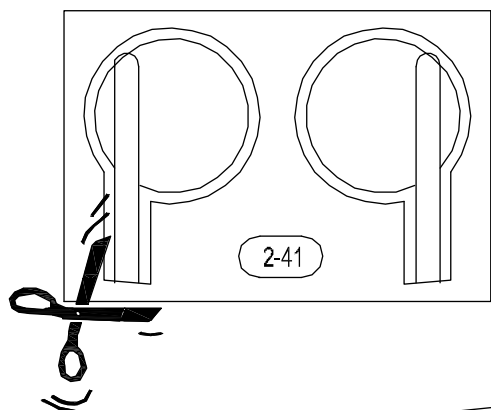
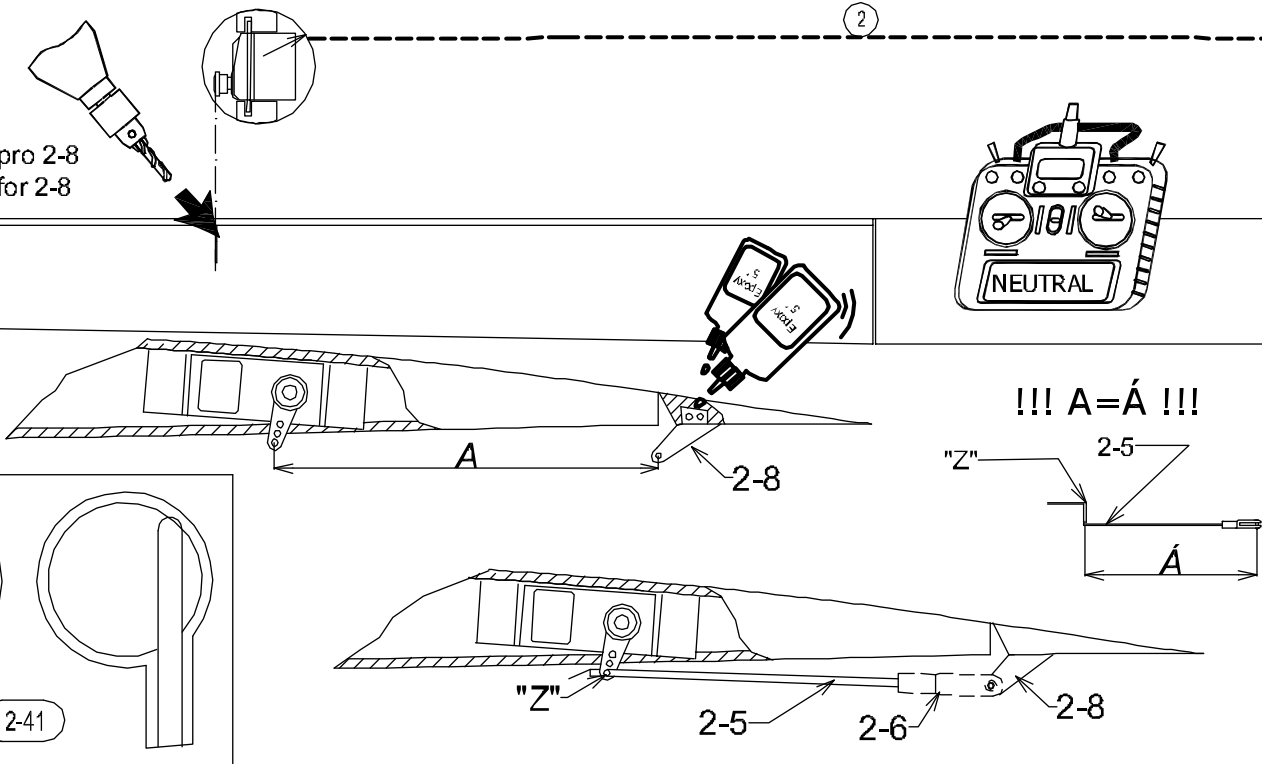
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SPODNÍ STRANA
BOTTOM

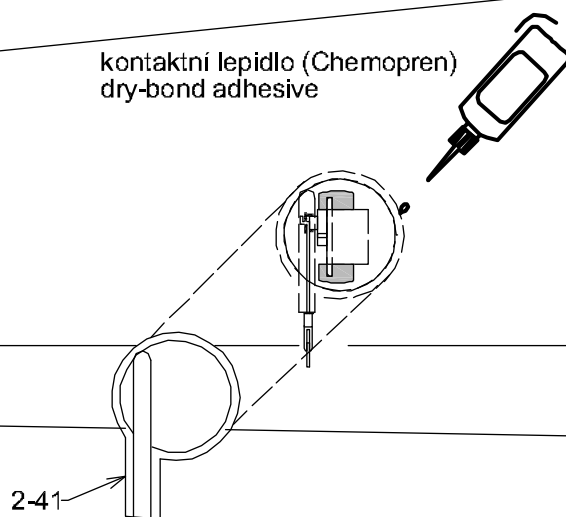
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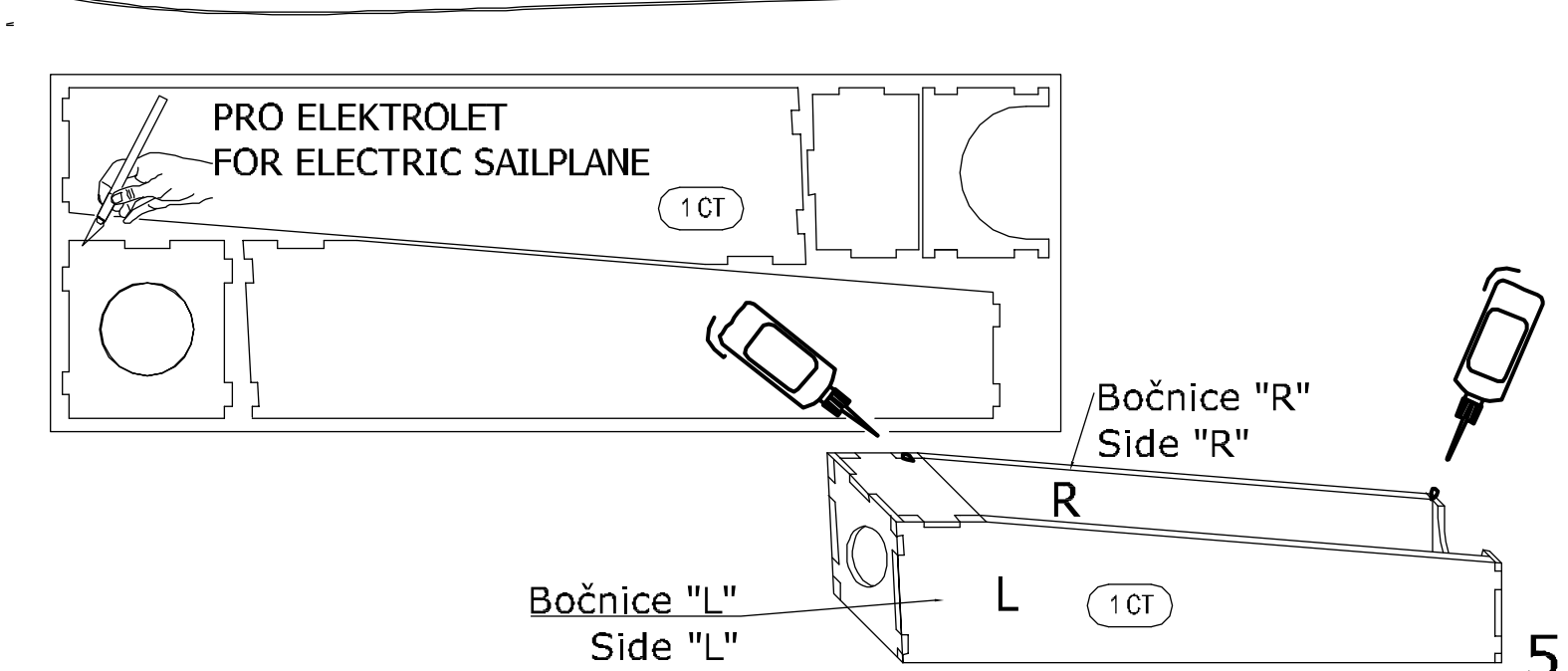
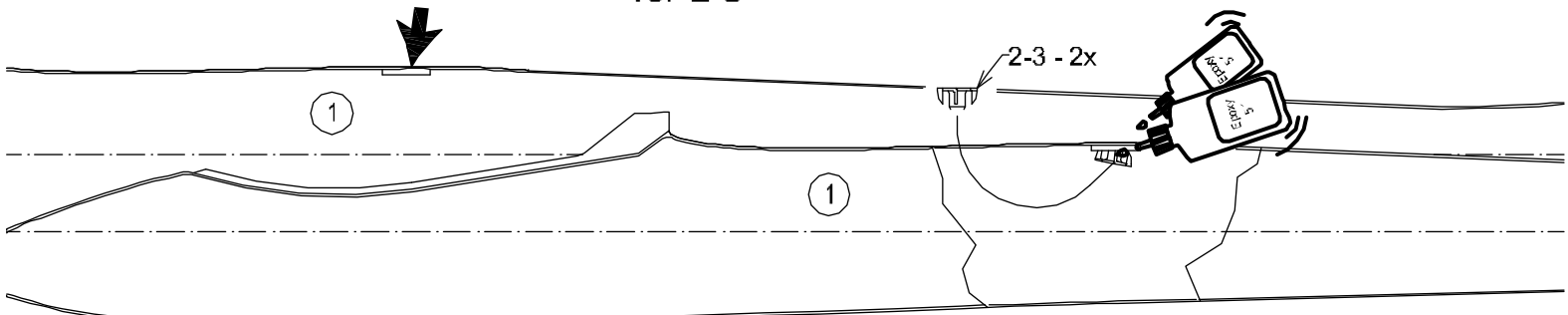
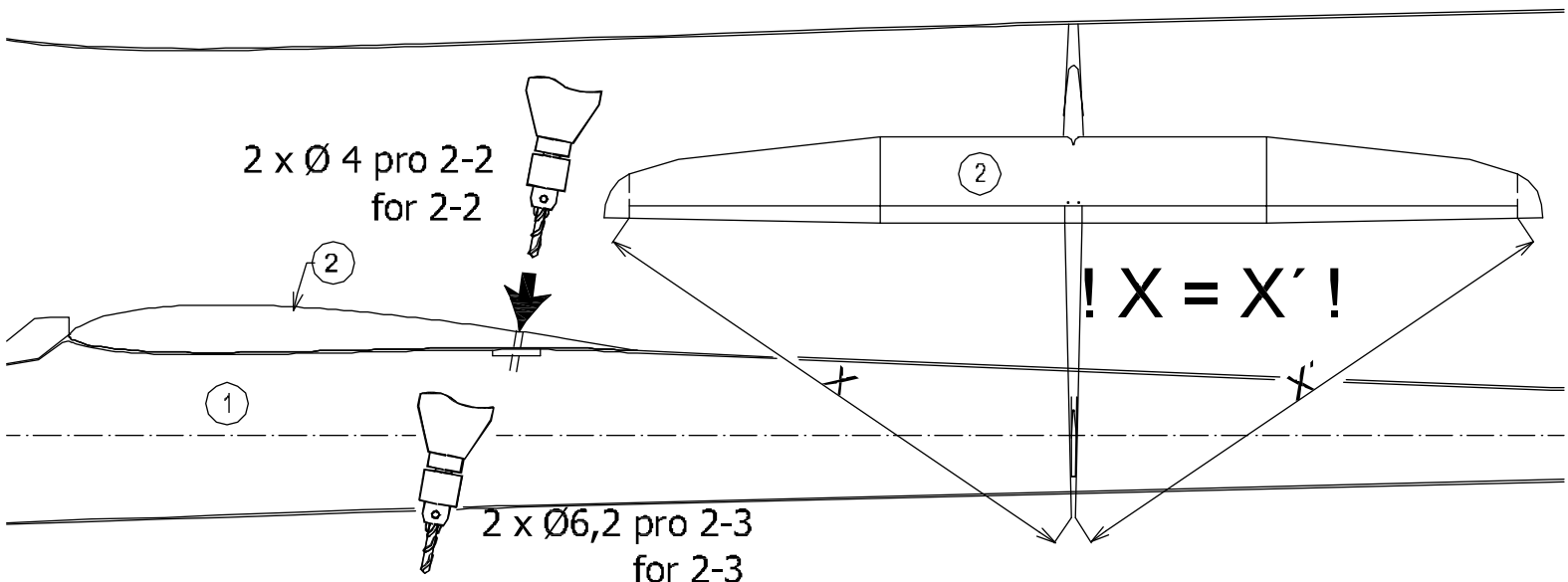
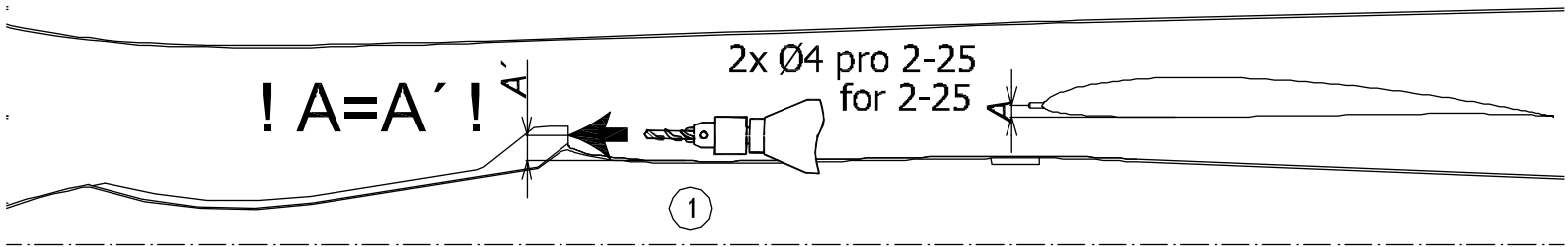
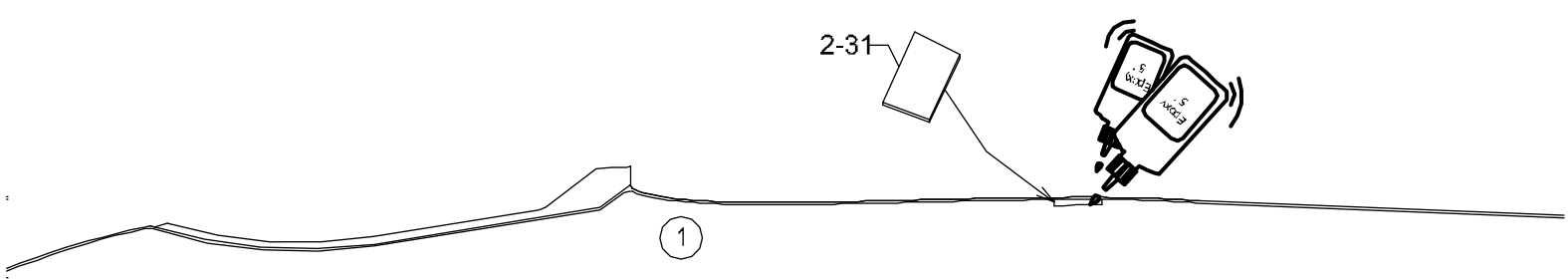
Ø1,5 pro 2-8
Ø1,5 for 2-8

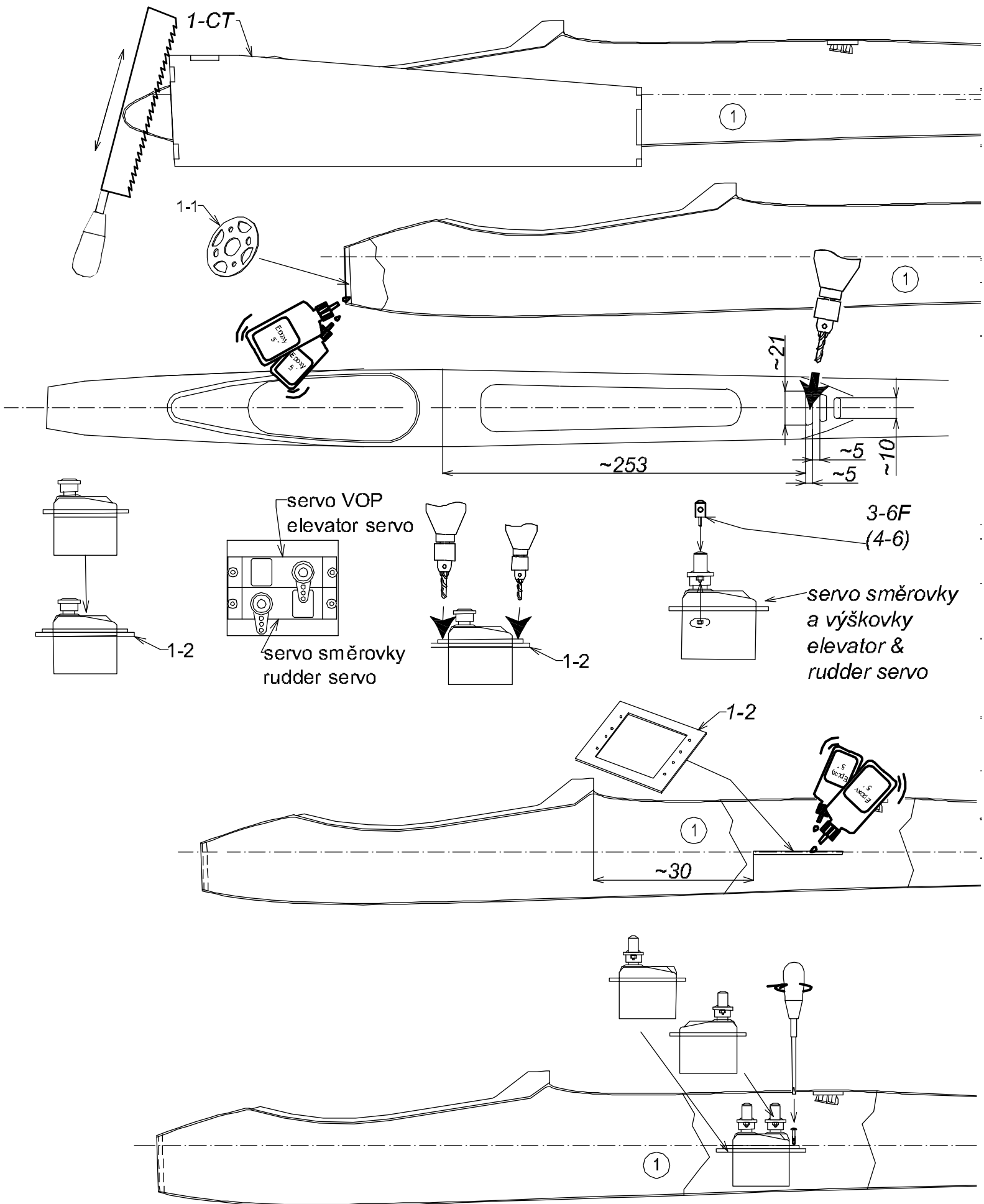


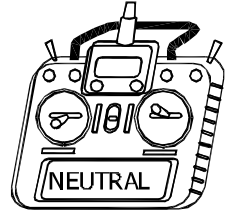
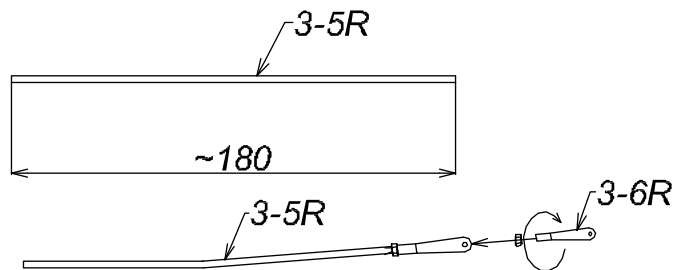
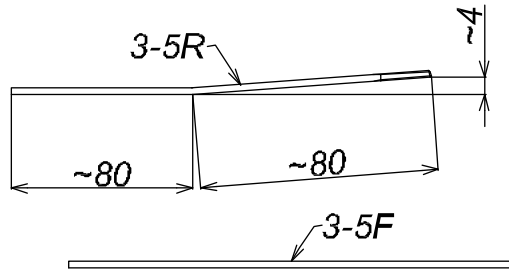
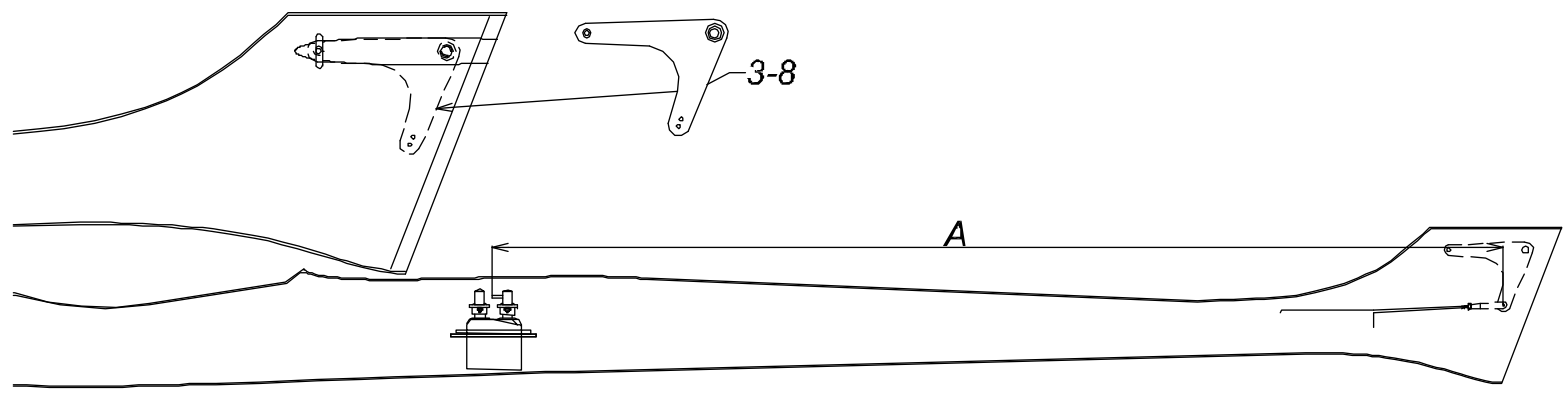
SPODNÍ STRANA
BOTTOM

②



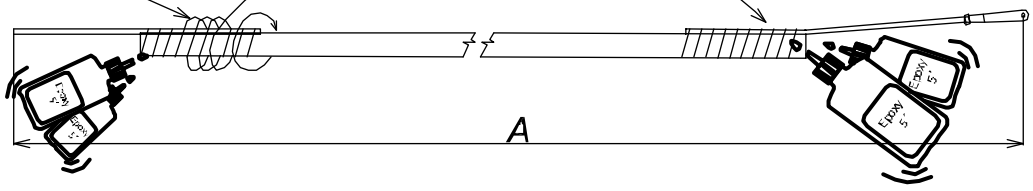




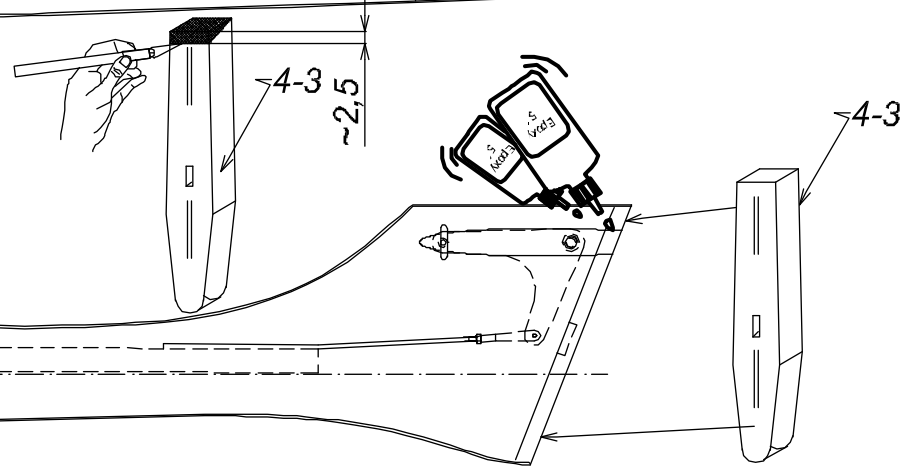
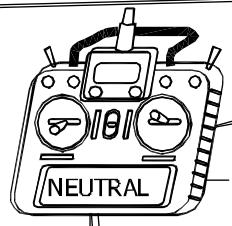
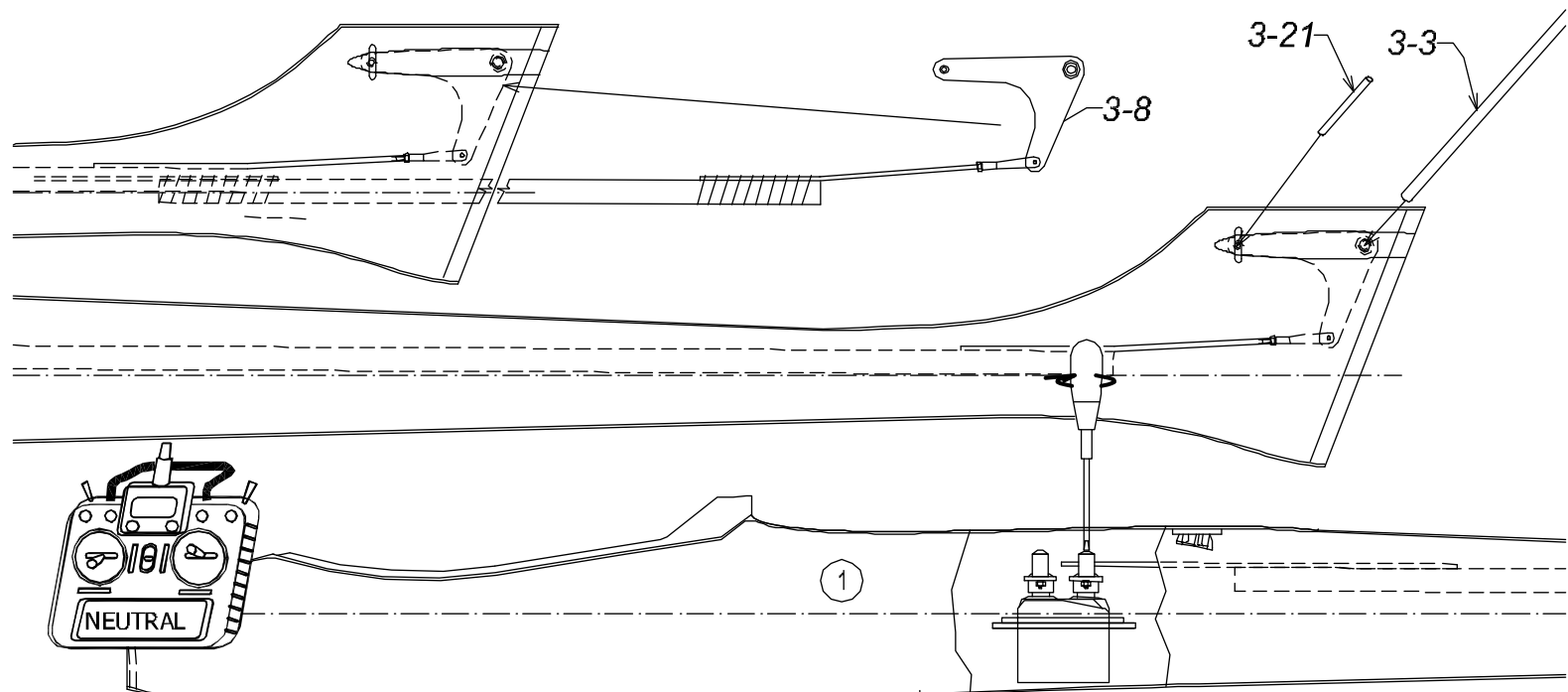


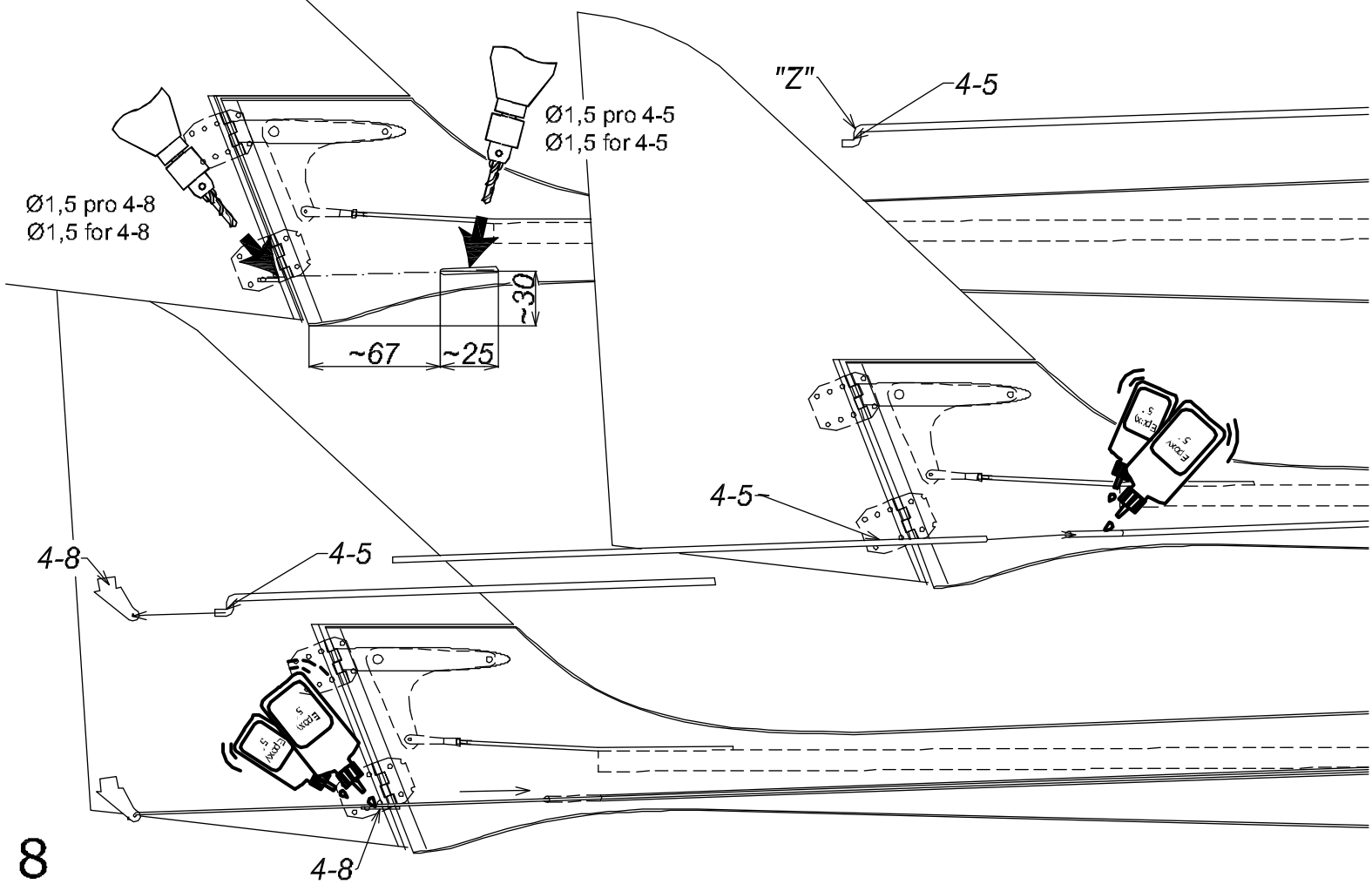
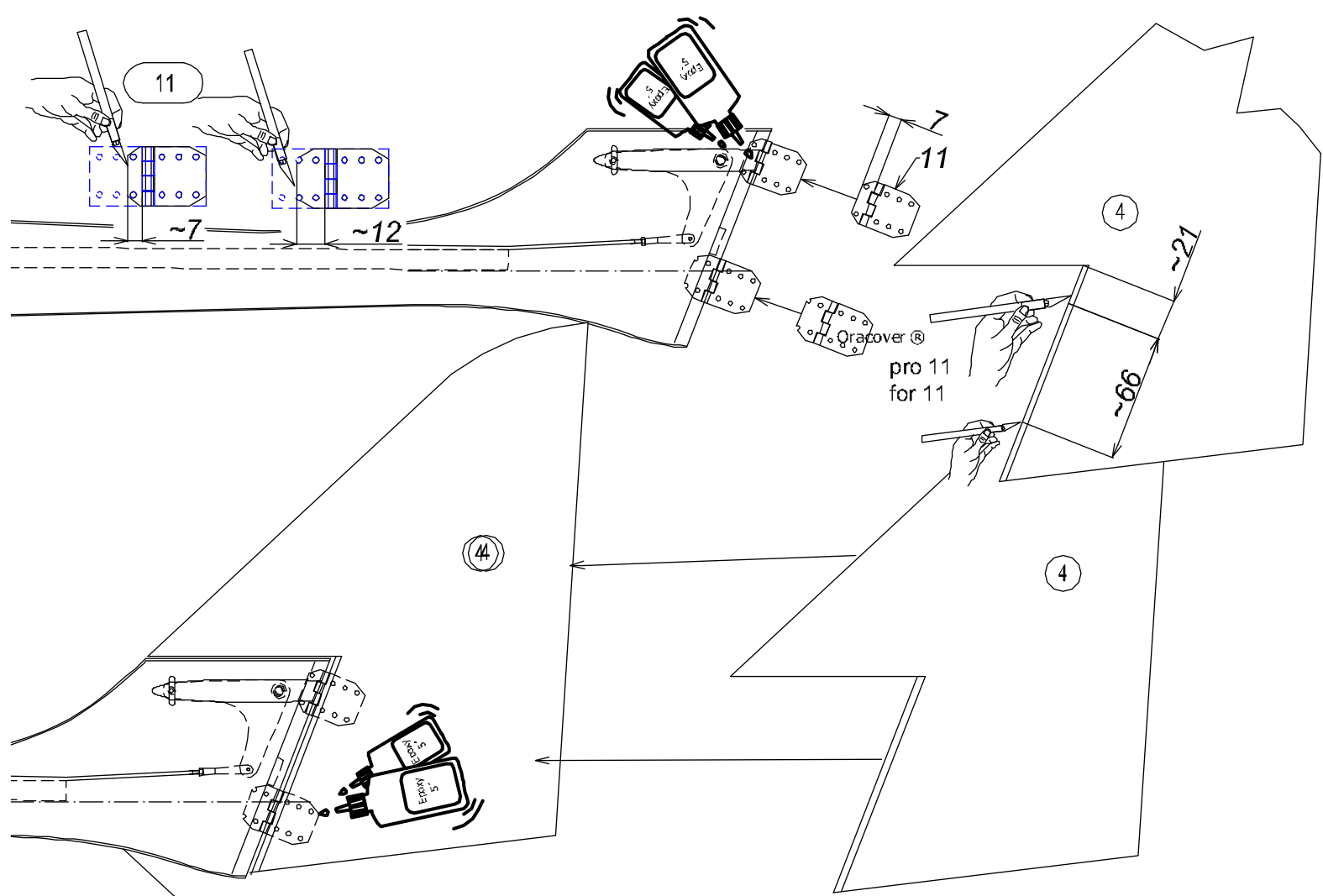
omostat niti
bind with string

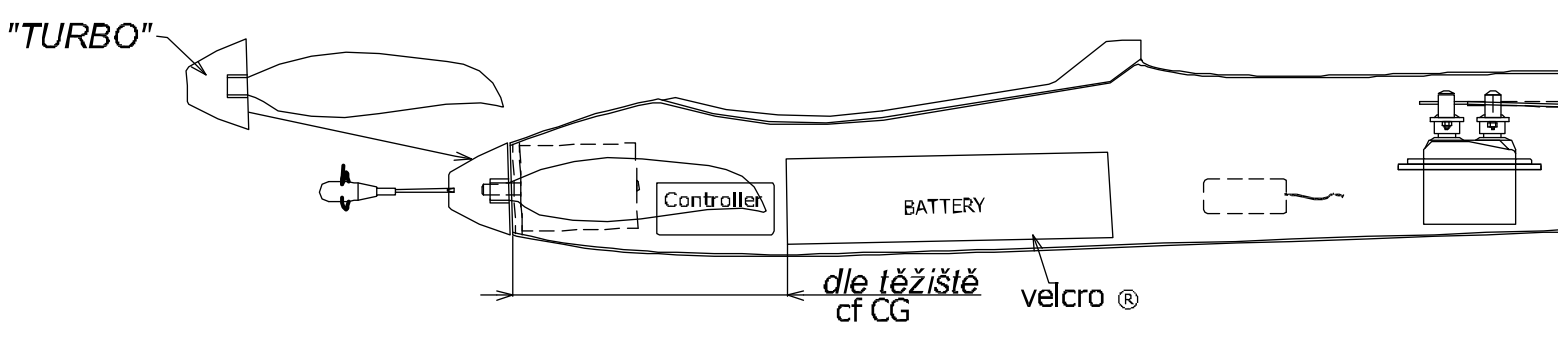
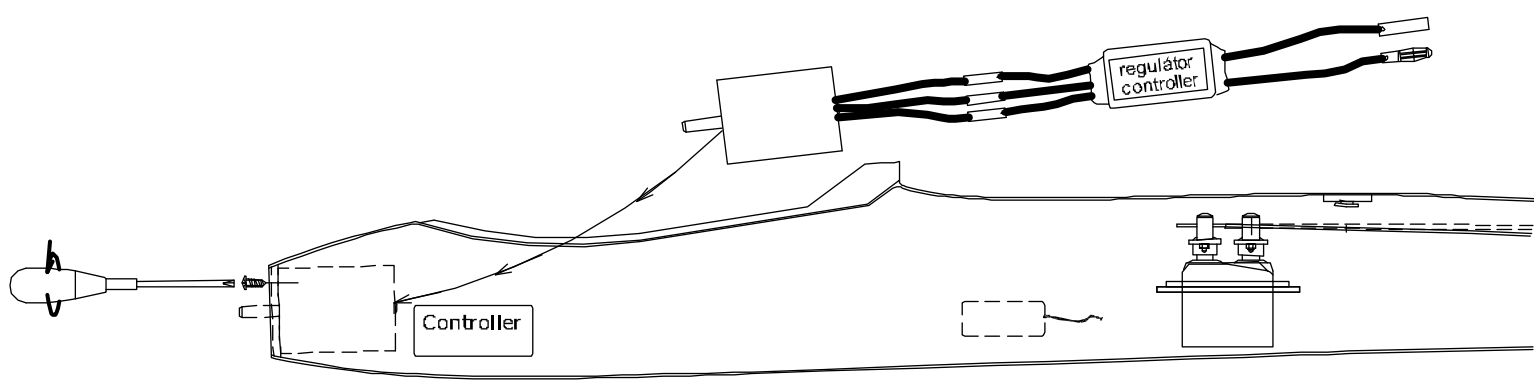
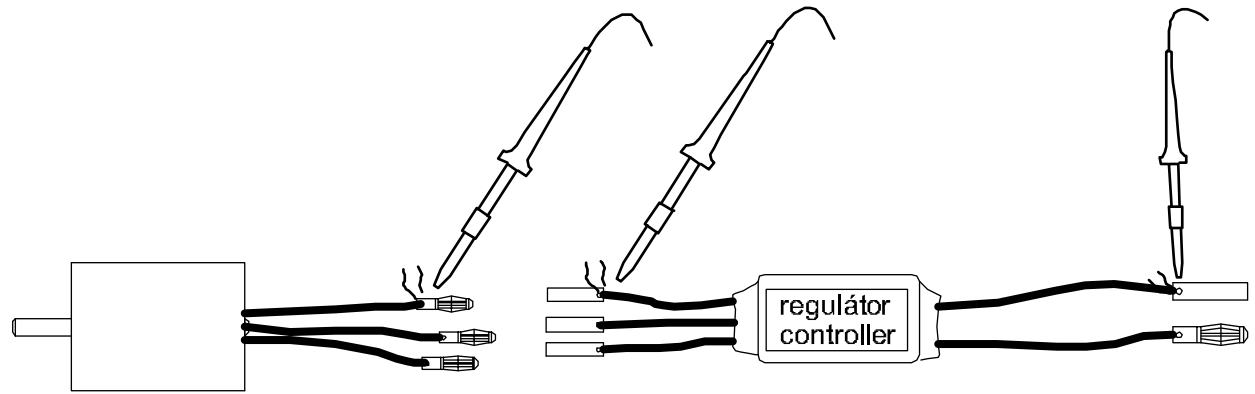
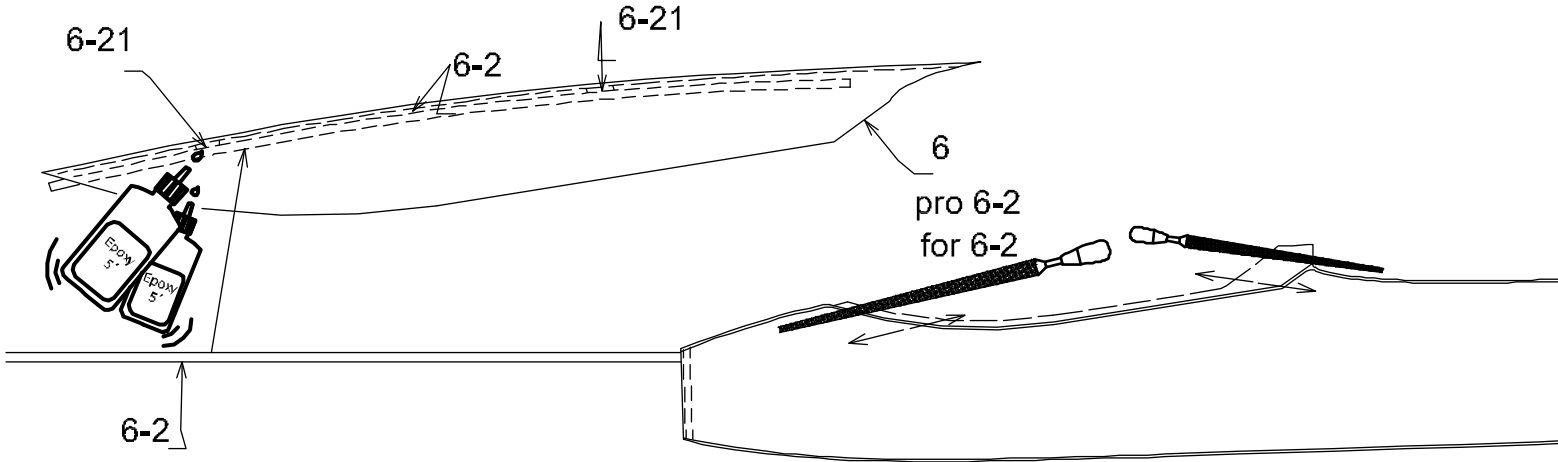
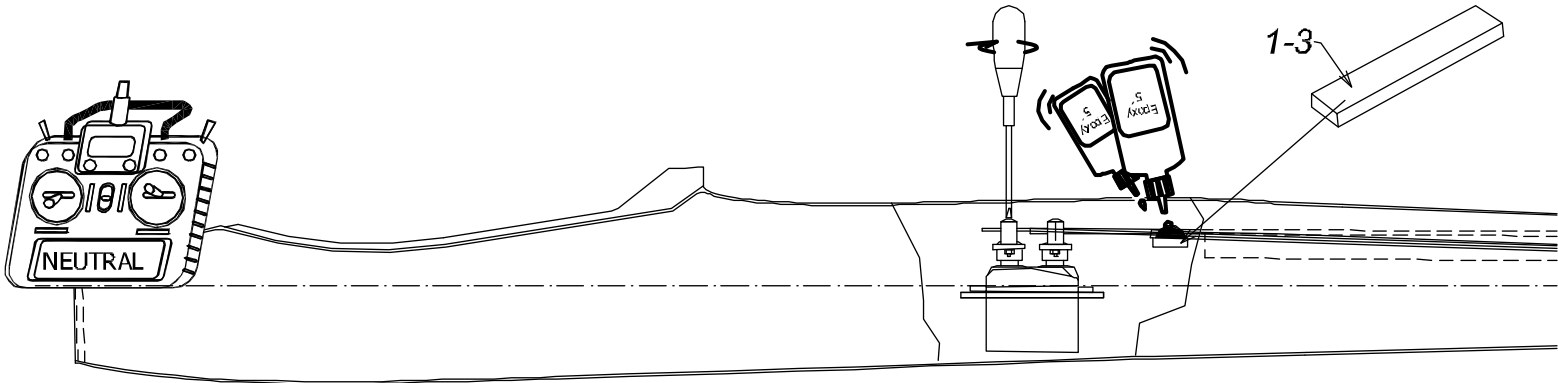
omostat niti
bind with string



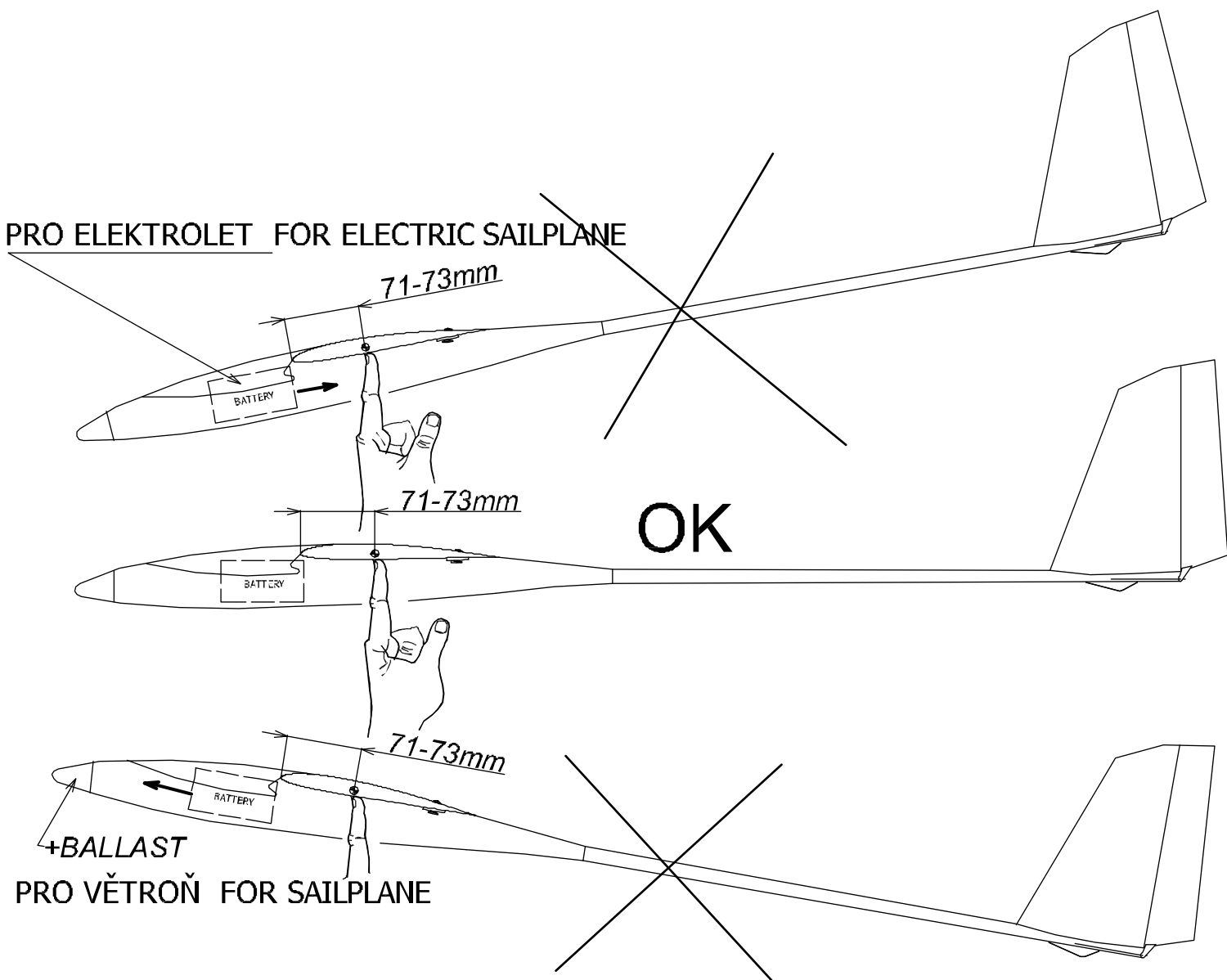
A = A







PRO ELEKTROLET FOR ELECTRIC SAILPLANE



+BALLAST
PRO VĚTROŇ FOR SAILPLANE

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 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)