



Deutsch: **Bauanleitung**



English: **Building Instructions**



Français: **Notice de Montage**

Shock-Flyer



EXTRemA 330S
Super Star
EDGE 540



Oberseite / Ansicht von oben



Markierung einzeichnen



Unterseite / Ansicht von unten



Kanten mit Tesafilm umkleben
Tipp: zu beklebende Flächen zuvor mit einem Fön erwärmen



mit UHU **por** verkleben
zuvor 10 min. ablüften lassen !



Anschleifen



mit UHU **por** verkleben
nass ohne Ablüften !



Klebefilm - Achtung: beim Abziehen des Films kann die Materialoberfläche beschädigt werden ! **Tipp: falls erforderlich Klebestellen zuvor mit Fön erwärmen**



mit CA-Kleber verkleben !



besonders sorgfältig vorgehen bzw. besonders sorgfältig verkleben






mit Epoxy Harz verkleben !



mit scharfem Messer schneiden

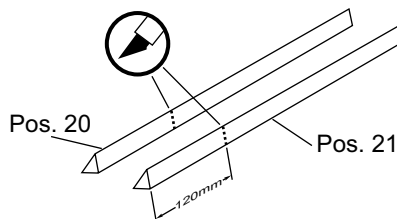


 Ruder 45° anschrägen
 Ruder mit einem Klebefilmstreifen befestigen.
 Anschliessend von unten drei kurze Klebefilmstreifen zur Verstärkung anbringen

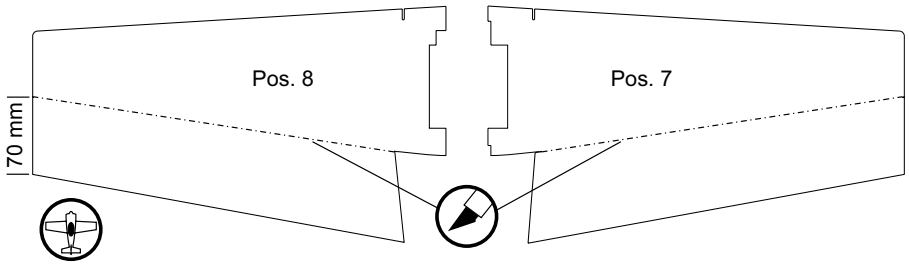
Bausatzinhalt

Pos.	Artikel Bezeichnung	Stk.	Pos.	Artikel Bezeichnung	Stk.
1	Rumpfunterteil	1	18	Schraube M 1,4x3	4
2	Rumpfberteil	1	19	Schraube M2x4	1
3	Rumpfvorderteil	1	20/21	Verstärkungsleiste 6x6x498 mm	2
4	Rumpfhinterteil	1	22	Schaumstoffkeil (Akkubefestigung)	1
5	Höhenleitwerk	1	23	Klebstof UHU por	1
6	Seitenruder	1	24	Getriebeaufnahme	1
7	Tragfläche rechts	1	25	Getriebefixierung	1
8	Tragfläche links	1	26	Ruderhornclip	4
9	Fahrwerk	1	27	Ruderhorn	4
10	Flächenholm CFK 0,8x3x820 mm	2	28	Gabelkopf	4
11	Flächenstrebe Ø 1,5x180 mm	2	29	Radsicherung	2
12	QR-Gestänge Ø 1,5x110 mm	2	30	Rad	2
13	HR+SR Gestänge Ø 1,5x312 mm	2	31	Strebenhalter innen	1
14	Fahrwerksstrebe Ø 2x195 mm	2	32	Strebenhalter rechts	1
15	Getriebestrebe Ø 2x80 mm	1	33	Strebenhalter links	1
16	Gummi schwarz	1	34	Radachse rechts	1
17	Tesa	1	35	Radachse links	1

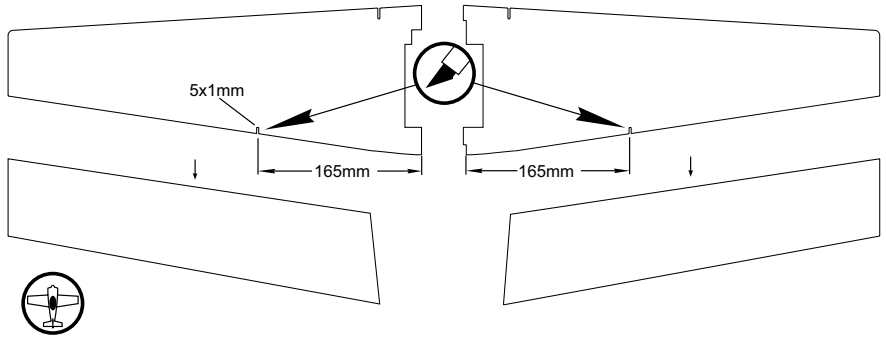
1



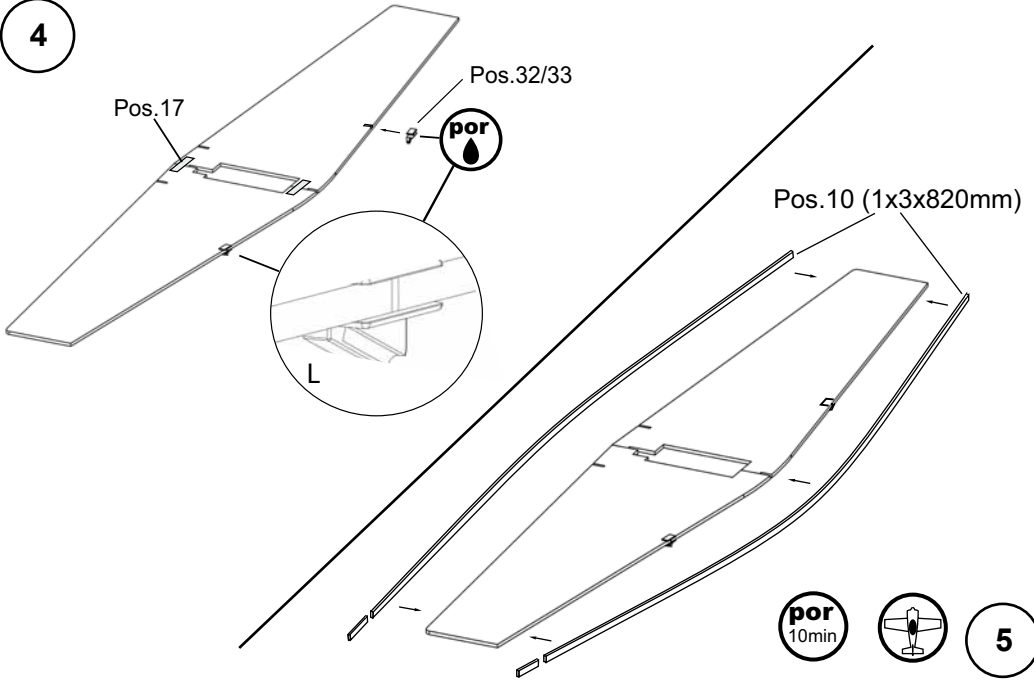
2



3

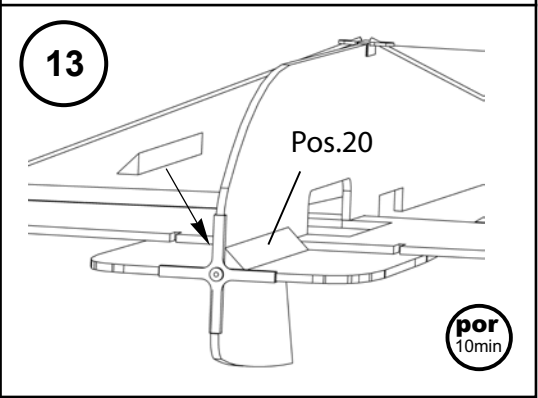
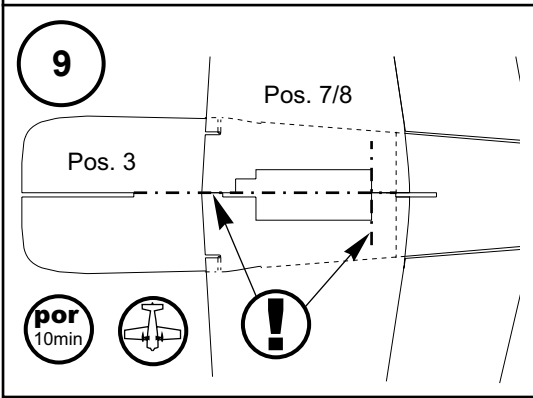
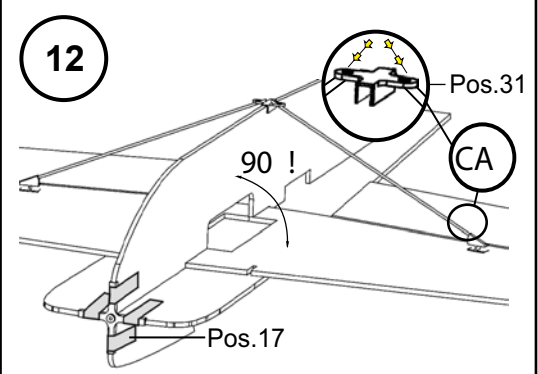
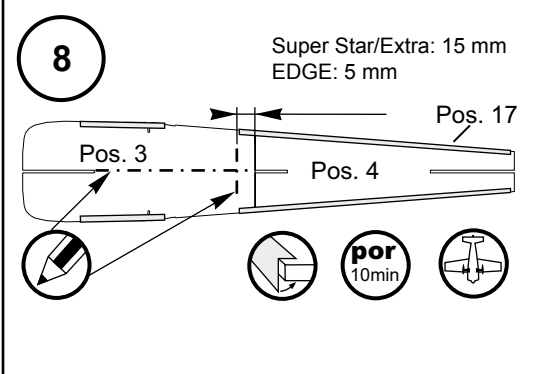
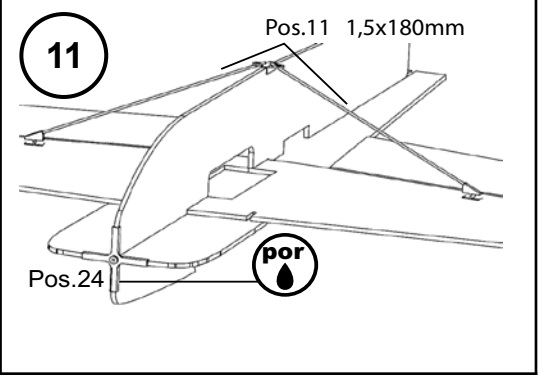
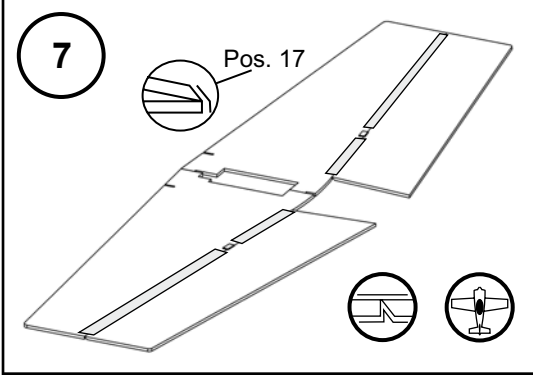
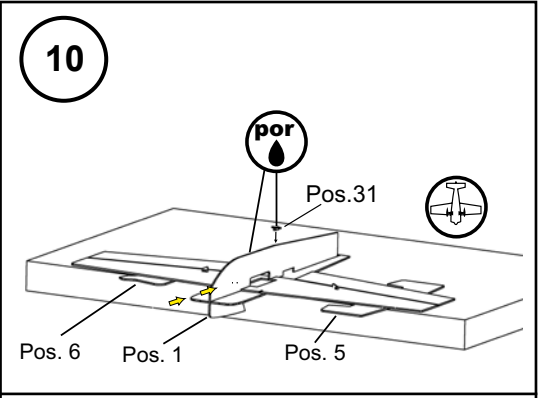
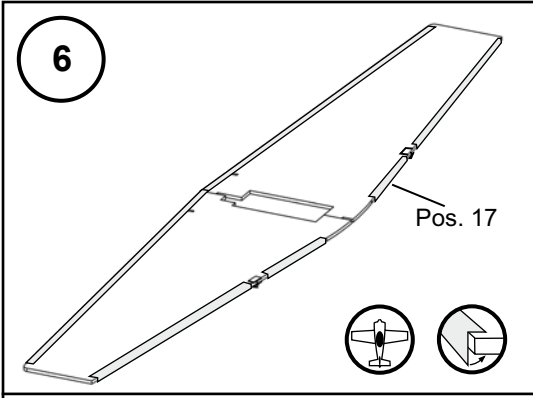


4

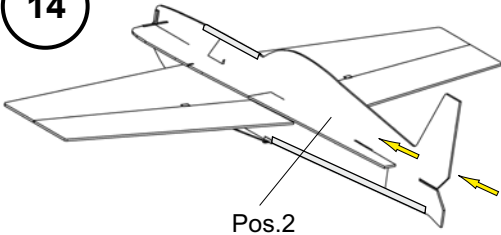


por
10min

5



14

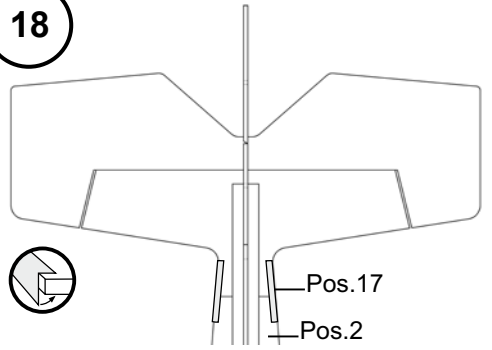


por
10min



Pos.2

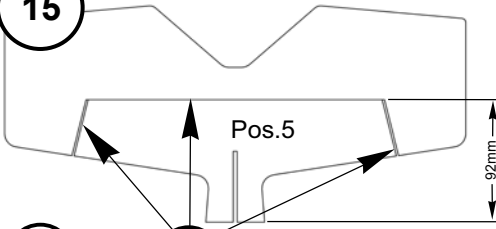
18



Pos.17

Pos.2

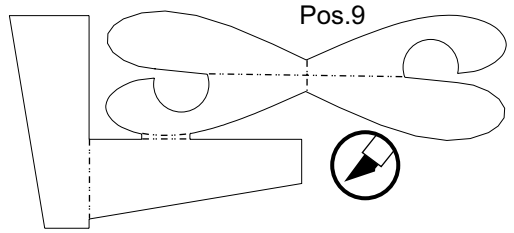
15



Pos.5

92mm

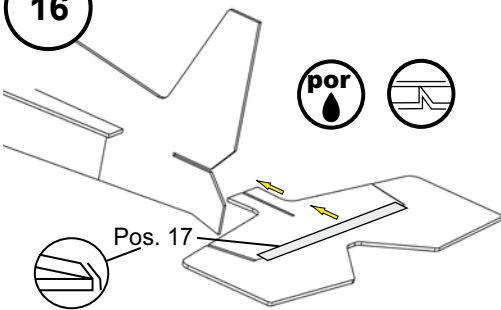
19



Pos.9



16



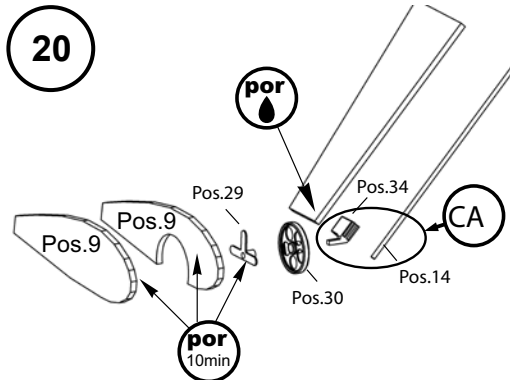
por



Pos.17



20



por

Pos.29

Pos.34

Pos.9

Pos.30

Pos.14

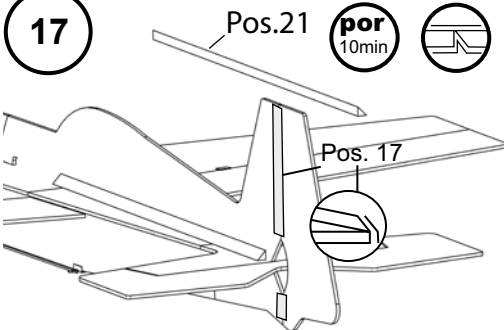
CA

por
10min

Pos.17



17



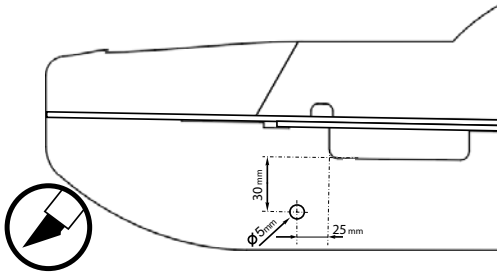
Pos.21

por
10min

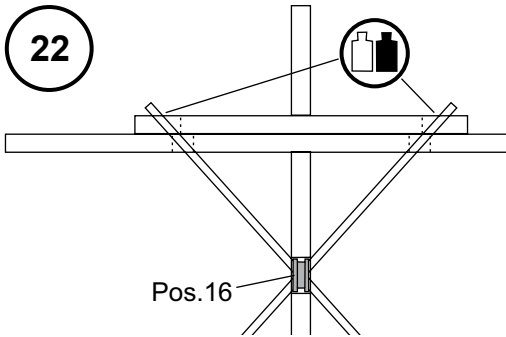


Pos.17

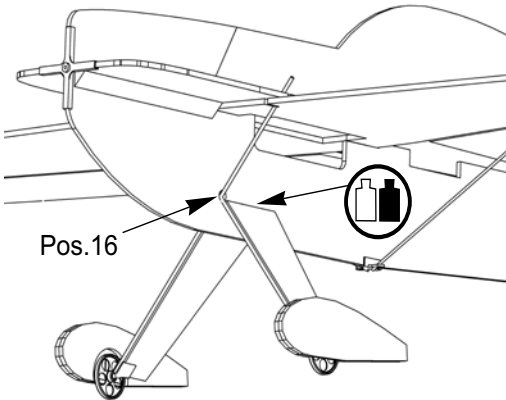
21



22

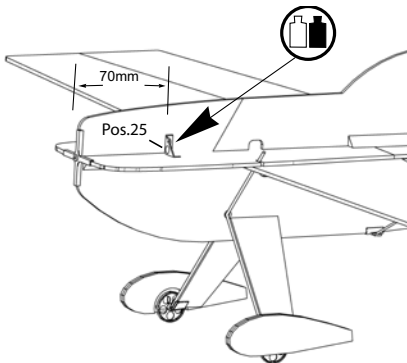


Pos.16



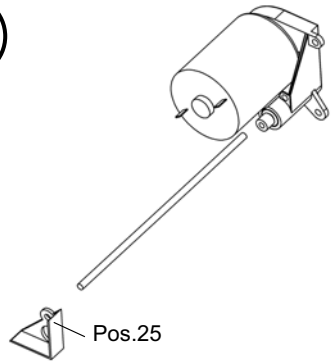
Pos.16

23



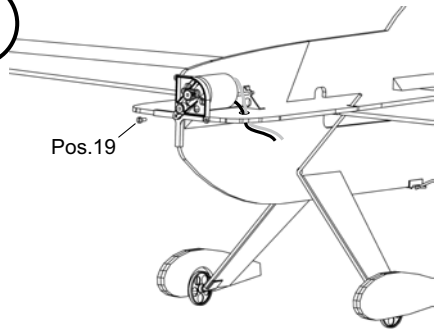
Pos.25

24



Pos.25

25



Pos.19

Erforderliches Zubehör:

Artikel-Bezeichnung	Stk	Best.Nr.:
Antriebsset	1	2021001
Lexors Servo 201 oder Lexors 100	3	171201
Microregler	3	171100
	1	160533

Antriebs Akku

10 Zellen 350mAh Akku für einfachen Kunstflug 4-5 Min.	1	2027001
---	---	---------

Wir Empfehlen

Li-Poly Akku 700 mAh für extremen 3D-Kunstflug 15 Min.	1	2027002
---	---	---------

Ersatzteile Shockflyer

Artikel-Bezeichnung	Stk	Best.Nr.:
Rädersatz(incl. Achsen)	1	2023002
Getriebehalterung	1	2023003
Ruderanlenkungen	1	2023004
Flächenverstärkung	1	2014024
Schubstangen. Ø 1,5 x1000	1	800024
Fahrwerksst. Ø 2 x1000	1	800025

26

Beginner /
einfacher Kunstflug



Pos.26

Expert /
3D Kunstflug 25-60% Expo

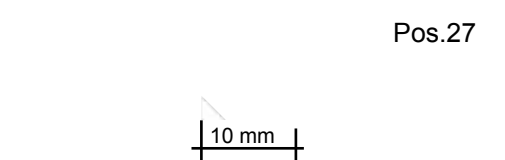


Pos.26

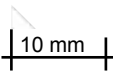
27



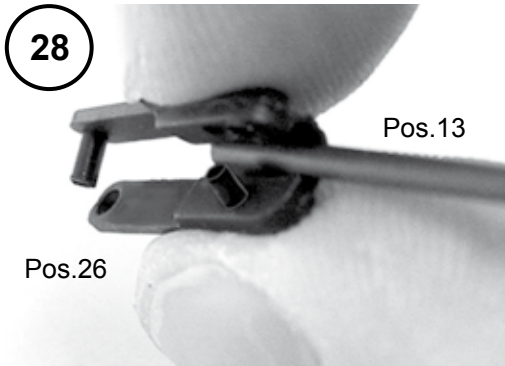
Pos.27



Pos.27



28



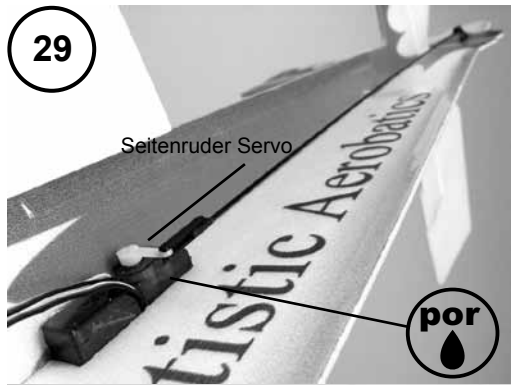
Pos.13

Pos.26



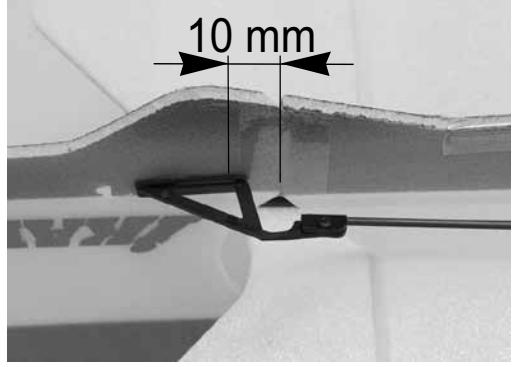
CA

29



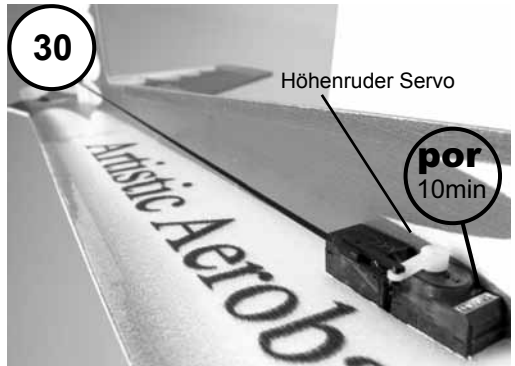
Seitenrudder Servo

por



10 mm

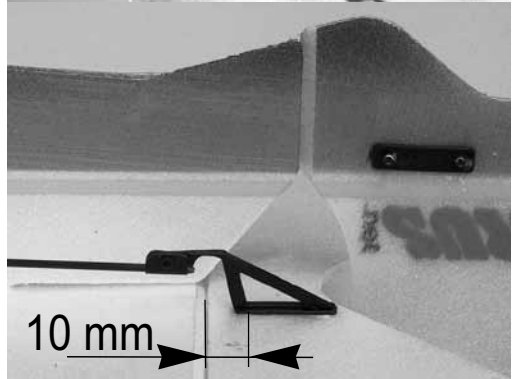
30



Höhenrudder Servo

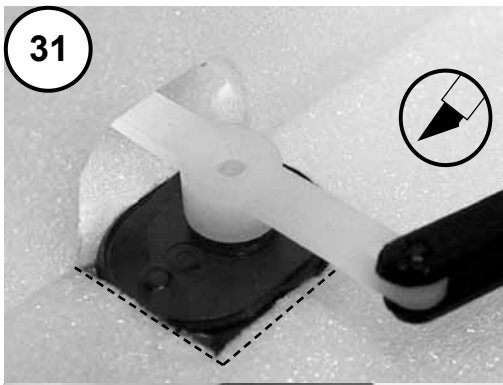
por

10min

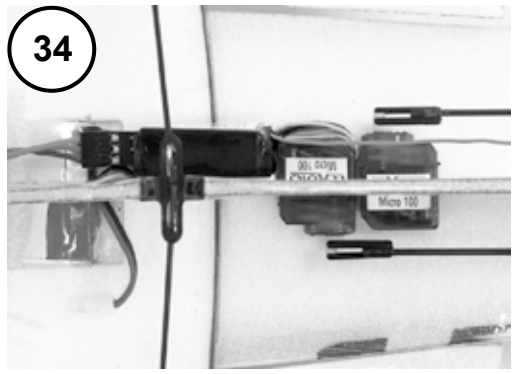


10 mm

31

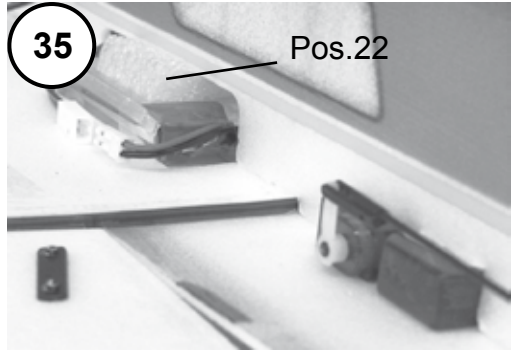


34



35

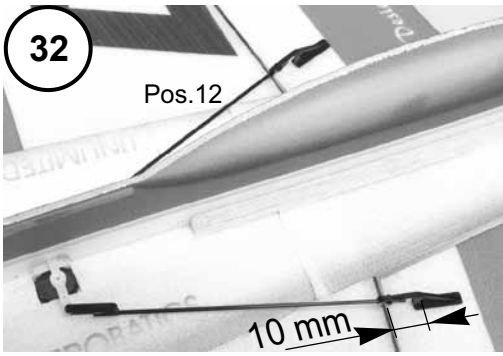
Pos.22



32

Pos.12

10 mm

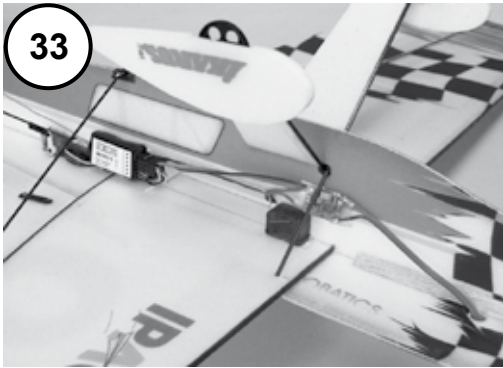


36

40-60 mm



33



Achtung!

Die Schaumteile können materialbedingt eine Durchbiegung aufweisen.

Diese hat aber keinerlei Einfluss auf die Flugeigenschaften, da es konstruktiv begründet wird !



Top View / seen from the top



Make marking



Bottom View / seen from below



Seam the edges with clear tape !
Hint: warm the surface first with a hair dryer.



Use UHUglue. Let dry for 10 min. before joining glue surfaces together.



Sand



Use UHUglue. Join surfaces together without drying !



Clear Tape - Caution: You may damage the surface when removing the tape ! Hint: warm the surface first with a hair dryer.



Use CA-glue !



Proceed carefully resp. glue very carefully together !





Use epoxy glue !




Cut with a sharp knife (Exacto)



 Sand rudder edge in 45° degree angle

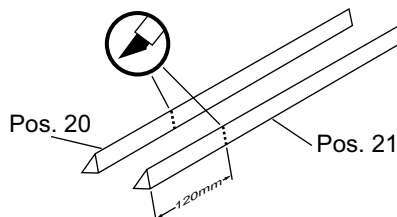
 Attach rudder with clear tape.

 Reinforce from bottom with three short stripes of tape.

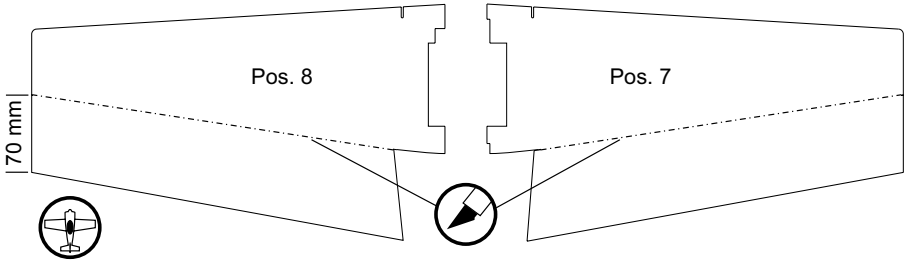
Kit Contents

Part #	Description	Qty.	Part #	Description	Qty.
1	Lower fuselage	1	18	Screw M 1.4 x 3	4
2	Upper fuselage	1	19	Screw M 2 x 4	1
3	Front fuselage	1	20/21	Triangular reinforcement strip 6 x 6 x 498 mm	2
4	Rear fuselage	1	22	Foam wedge (to secure battery)	1
5	Horizontal stabilizer	1	23	UHU por glue	1
6	Vertical stabilizer	1	24	Gear support	1
7	Right wing	1	25	Gear mount	1
8	Left wing	1	26	Rudder horn clevice	4
9	Undercarriage	1	27	Rudder horn	4
10	Wing spar CRP 0.8x3x820 mm	2	28	Clevice	4
11	Wing struts 1.5 mm dia. x 180 mm	2	29	Wheel holder	2
12	Aileron pushrod 1.5 mm dia. X 110 mm	2	30	Wheel	2
13	Ele. & rud. pushrod 1.5 mm dia x 312 mm	2	31	Inner strut	1
14	Undercarriage strut 2 mm dia. x 195 mm	2	32	Outer right strut	1
15	Gearbox strut 2 mm dia. X 80 mm	1	33	Outer left strut	1
16	Rubber grommet	1	34	Right wheel axle	1
17	Adhesive tape	1	35	Left wheel axle	1

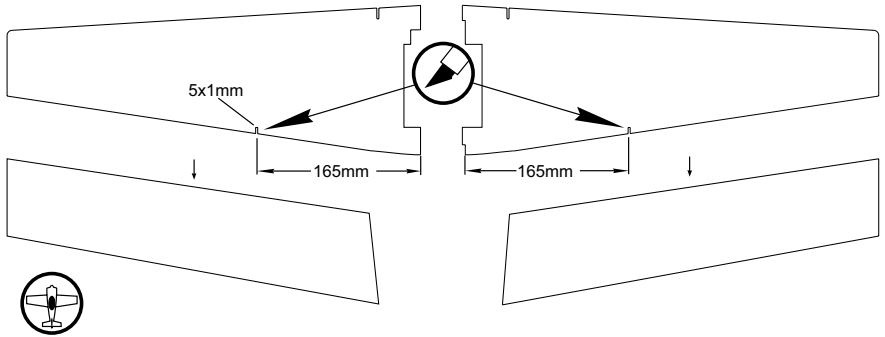
1



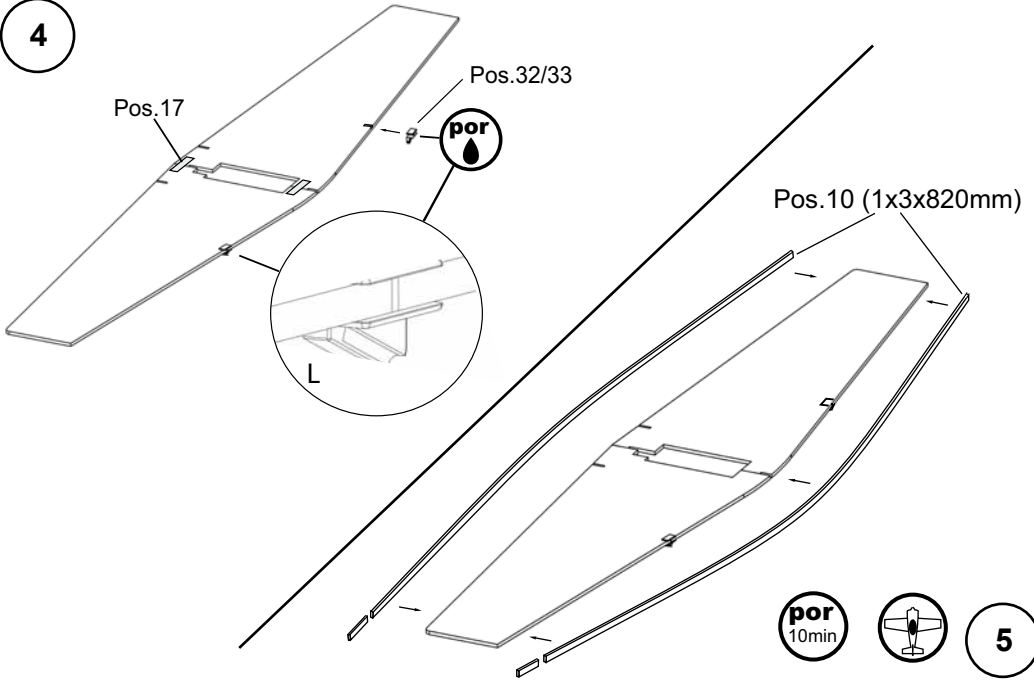
2



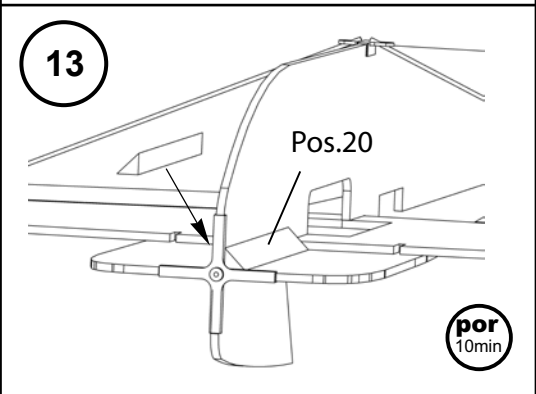
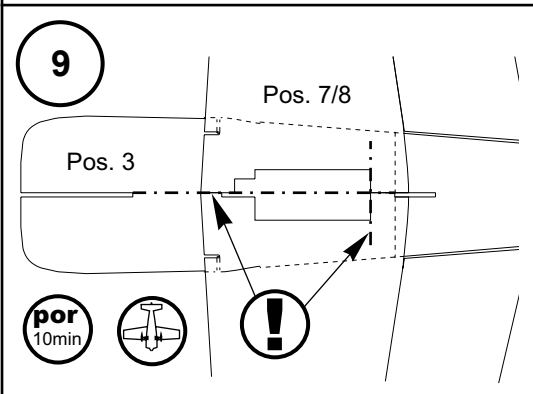
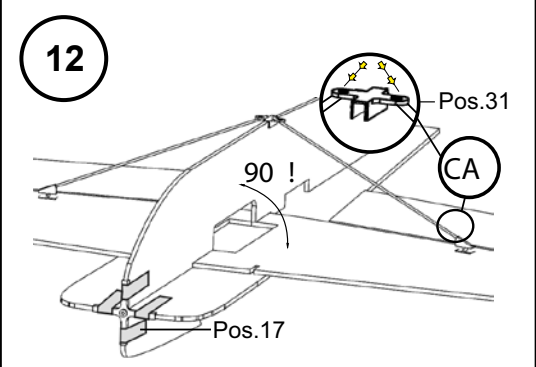
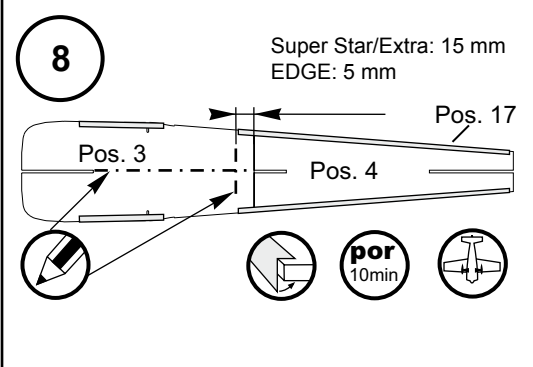
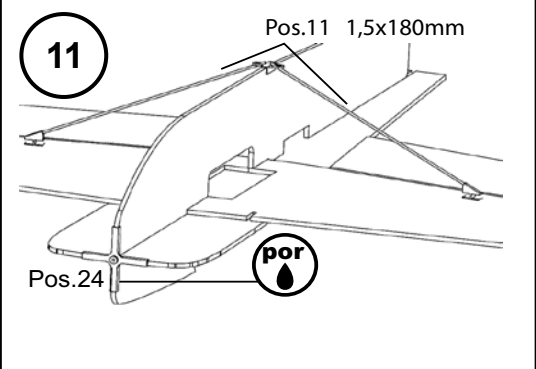
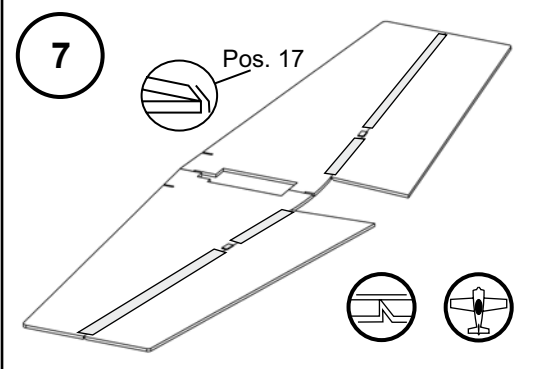
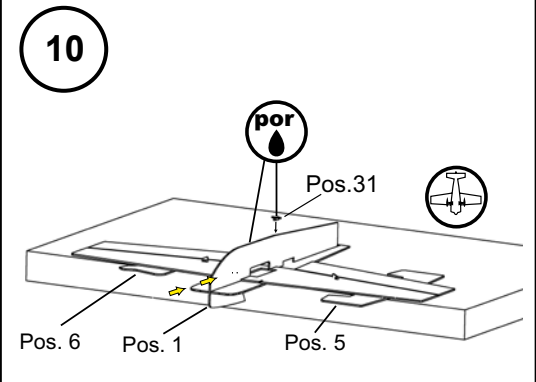
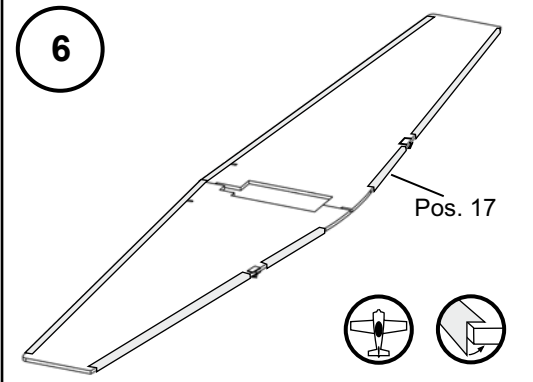
3



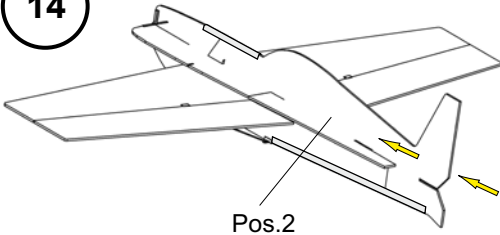
4



5



14

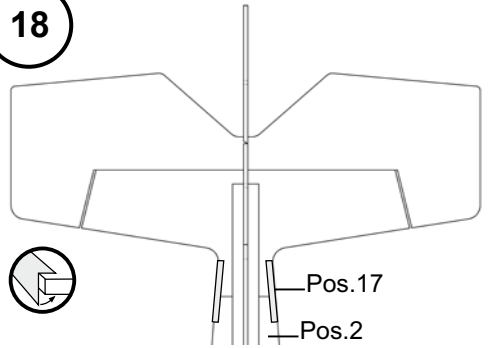


por
10min



Pos.2

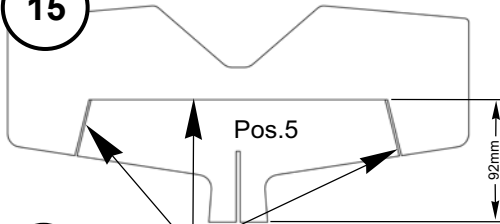
18



Pos.17

Pos.2

15

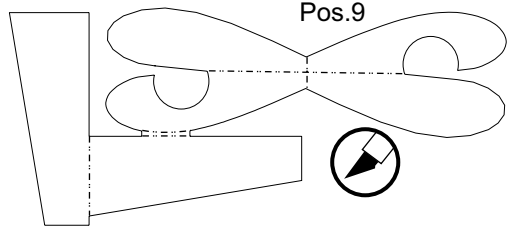


92mm

Pos.5



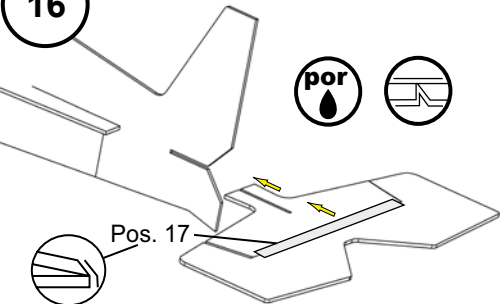
19



Pos.9



16



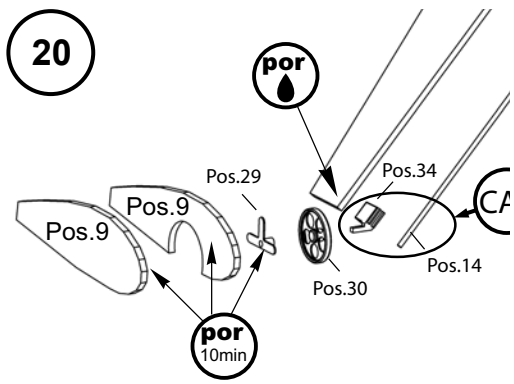
por



Pos.17



20



por

Pos.29

Pos.34

Pos.9

Pos.9

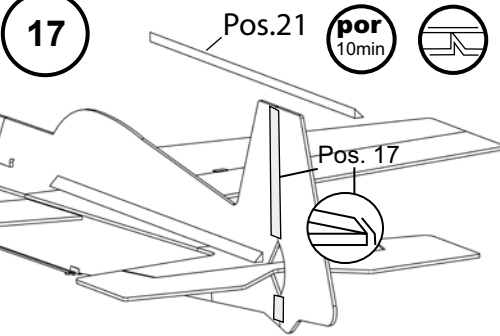
Pos.30

Pos.14

por
10min

CA

17



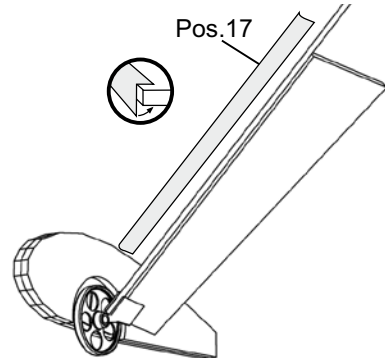
Pos.21

por
10min

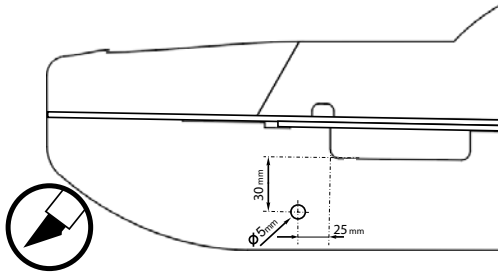


Pos.17

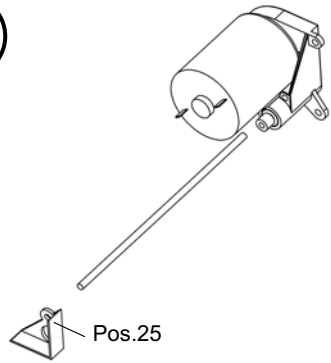
Pos.17



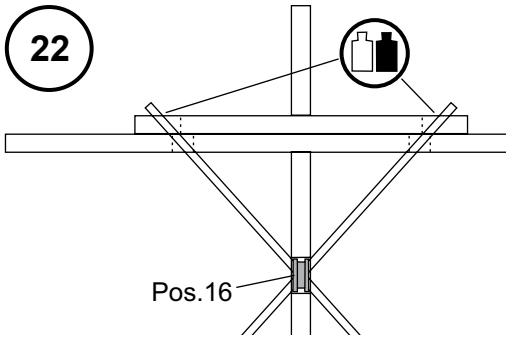
21



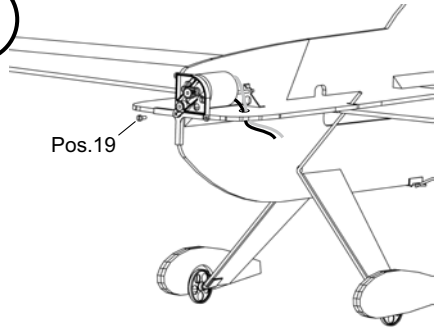
24



22

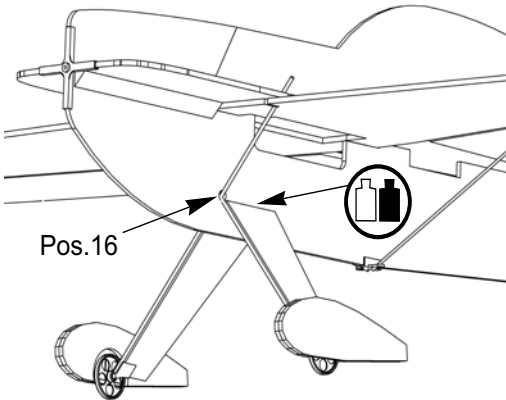


25



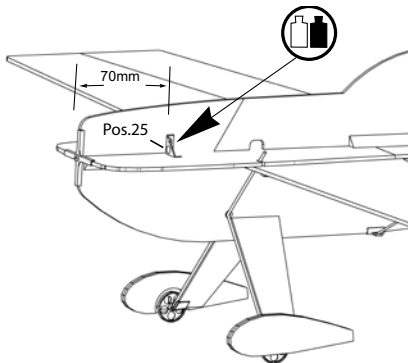
Pos.19

23



Pos.16

23



Pos.25

Necessary Accessories:

Item Description	Qty	Order No.
3-D Power Set	1	2021001
Lexors Servo 201	3	171201 or
Lexors 100	3	171100
Micro Controller 2000	1	160533

Battery for basic aerobatics up to max. 5 min.:

10 cell, 350 mAh battery	1	2027001 or
--------------------------	---	------------

For extreme 3-D aerobatics up to max. 15 min.:

Li-Po 700 mAh battery	1	2027002
-----------------------	---	---------

Replacement Parts Shock Flyer

Item Description	Qty	Order No.
Set of 2 wheels (incl. axles)	1	2023002
Gear Mount	1	2023003
Pushrod set	1	2023004
CRP Wing reinforcement spar	1	2024024
Carbon Fiber Rudder Pushrod		
1.5 mm dia. x 1000 mm	1	800024
Undercarriage strut		
2 mm dia. X 1000 mm	1	800025

26

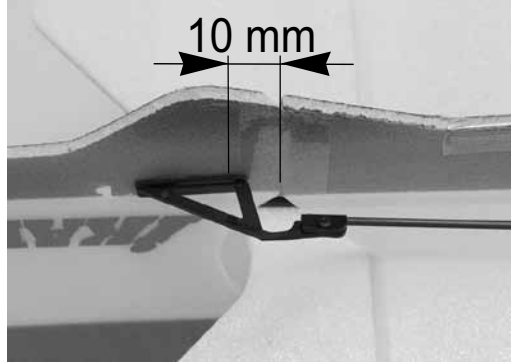
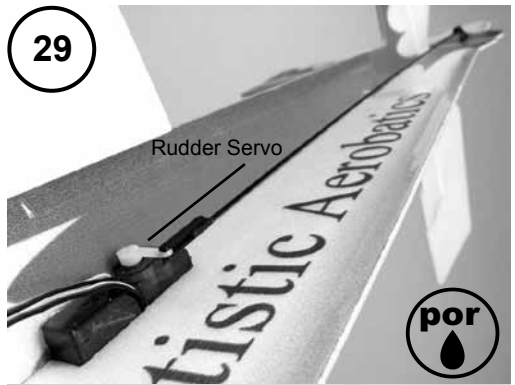
Novice/basic aerobatics



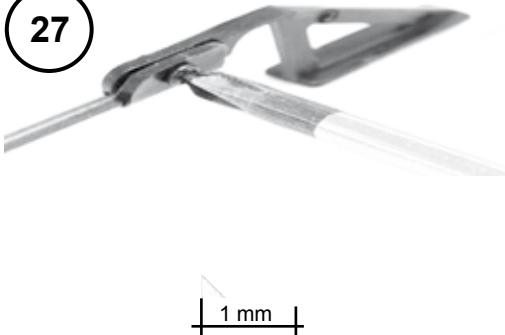
Expert/3-D aerobatics
with 25-60% Expo



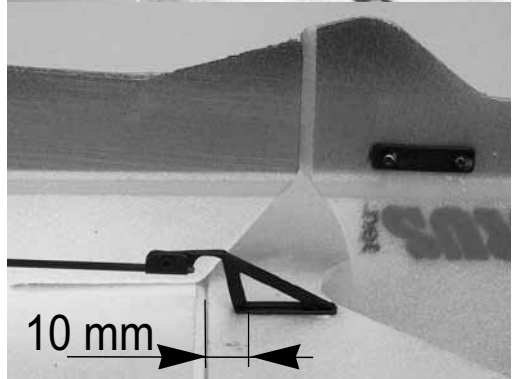
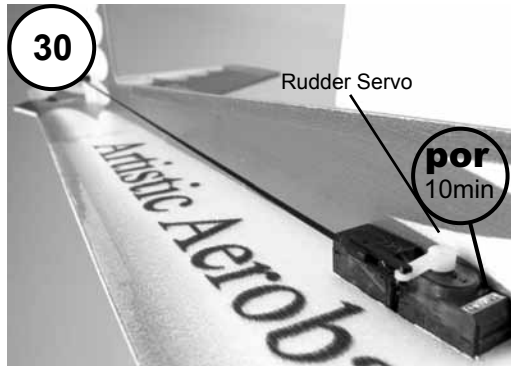
29



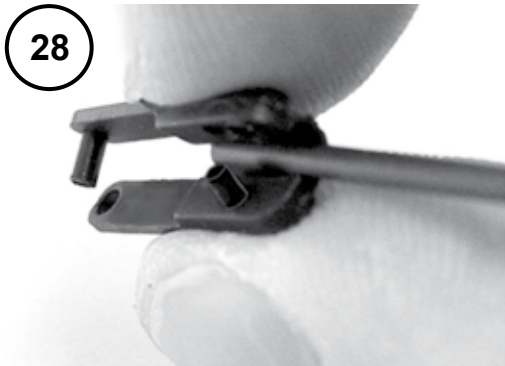
27



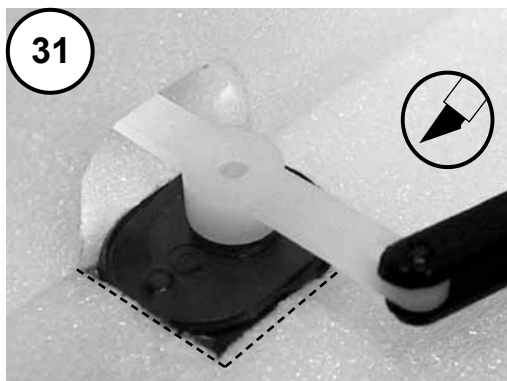
30



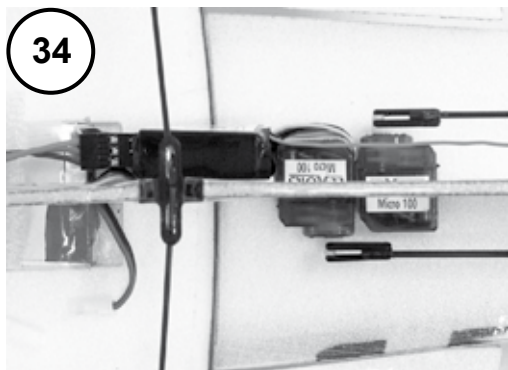
28



31

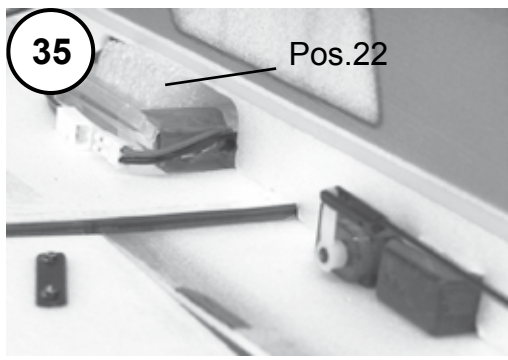


34



35

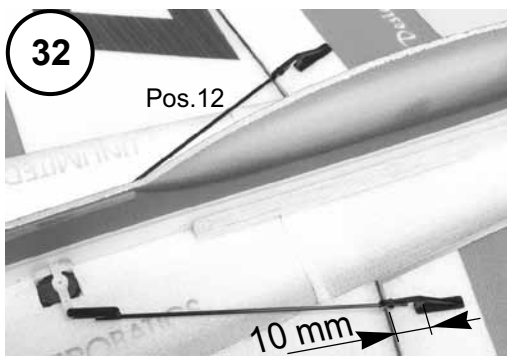
Pos.22



32

Pos.12

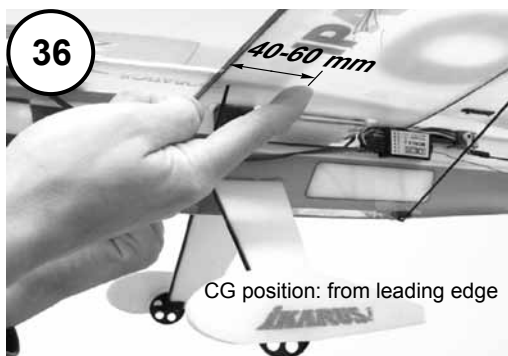
10 mm



36

40-60 mm

CG position: from leading edge



33



Attention:

When opening the kit some foam sheet components could be slightly twisted. This has no effect on the models performance, as the parts are straightened out during building process by reinforcement parts.



Dessus / Vue de dessus



Marquage



Dessous / Vue de dessous



Recouvrir les bords avec du ruban adhésif
Remarque : Pour une meilleure adhérence
chauffer légèrement les bords avec un sèche-
cheveux. Passer au papier de verre



Utiliser colle UHU **por**
Laisser sécher **10 minutes avant**
assemblage



Ruban adhésif- Attention : en retirant le
film adhésif, on peut détériorer l'état de surface
du matériau.



Utiliser colle UHU **por**



Remarque : Si nécessaire chauffer d'abord
légèrement avec un sèche-cheveux. A réaliser
avec beaucoup de soins



Utiliser de la colle cyano.



Soigner le collage






Utiliser de la résine Epoxy



Utiliser un cutter

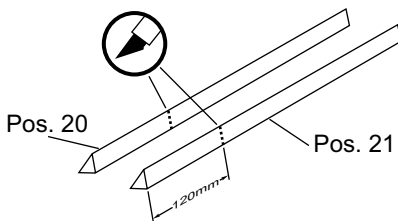


 Chanfreiner la gouverne à 45°
 Fixer la gouverne sur le dessus avec du ruban adhésif, puis sur le
dessous, pour renforcer, avec trois autres petits bouts de
 ruban adhésif.

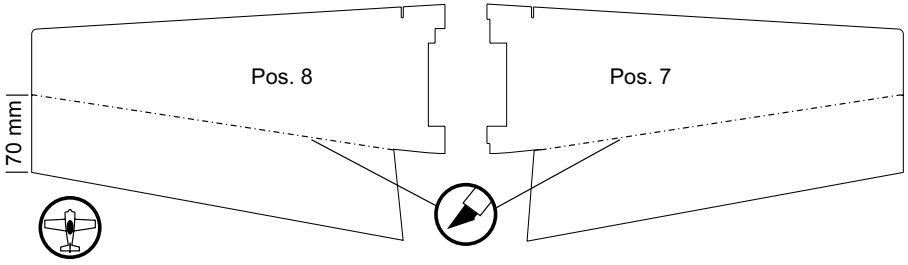
Contenu de la boîte de construction

Pos.	Désignation	Qté.	Pos.	Désignation	Qté.
1	Fuselage inférieur	1	18	Vis M1,4 x 3	4
2	Fuselage supérieur	1	19	Vis M2 x 4	1
3	Avant du fuselage	1	20/21	Baguette de renfort 6 x 6 x 498 mm	2
4	Arrière du fuselage	1	22	Cale mousse (fixation accu)	1
5	Stabilisateur	1	23	Colle UHU Por	1
6	Gouverne de direction	1	24	Support réducteur	1
7	Aile droite	1	25	Fixation réducteur	1
8	Aile gauche	1	26	Clip de guignol	4
9	Train d'atterrissage	1	27	Guignol	4
10	Longeron carbone 0,8 x 3 x 820 mm	2	28	Chape	4
11	Hauban aile Ø 1,5 x 180 mm	2	29	Fixation roue	2
12	Tringle de cde aileron Ø 1,5 x 110 mm	2	30	Roue	2
13	Tringle de cde direction + profonde Ø 1,5 x 312 mm	2	31	Hauban inférieur	1
14	Hauban train Ø 2 x 195 mm	2	32	Hauban extérieur droit	1
15	Renfort Ø 2 x 80 mm	1	33	Hauban extérieur gauche	1
16	Caoutchouc noir	1	34	Axe de roue droit	1
17	Ruban adhésif	1	35	Axe de roue gauche	1

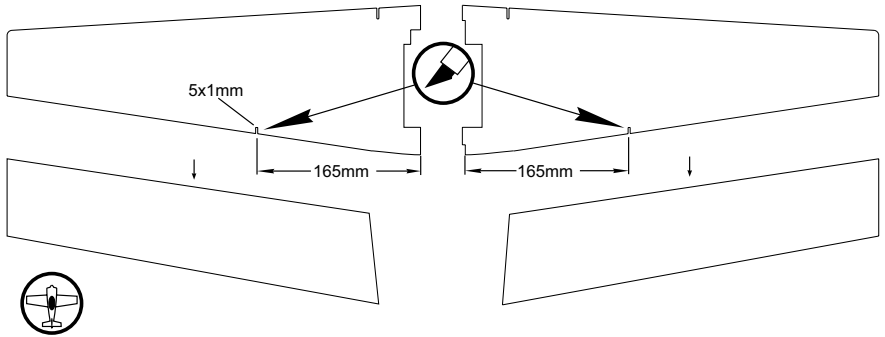
1



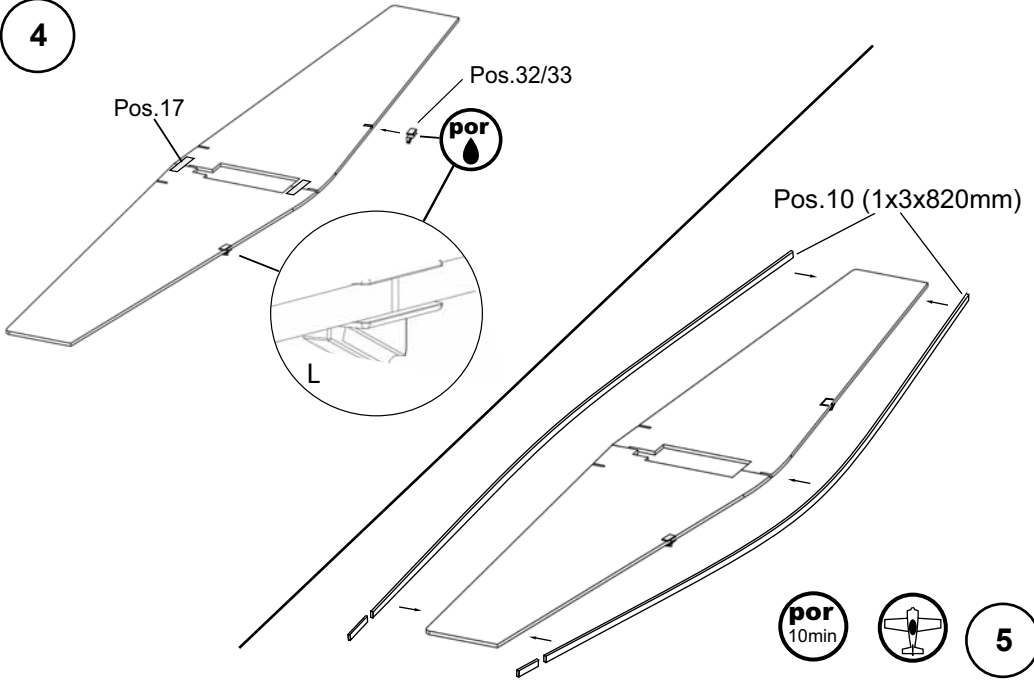
2



3



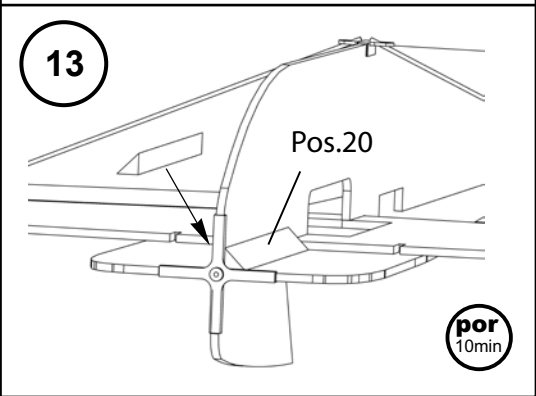
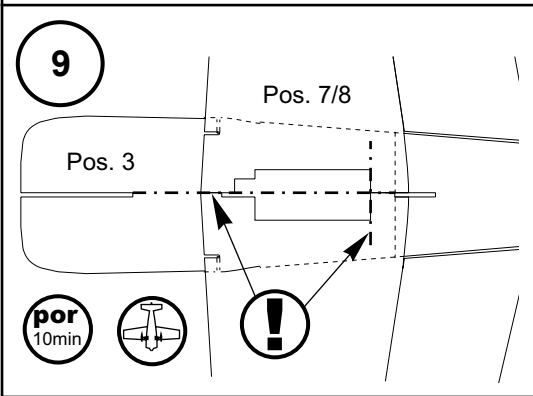
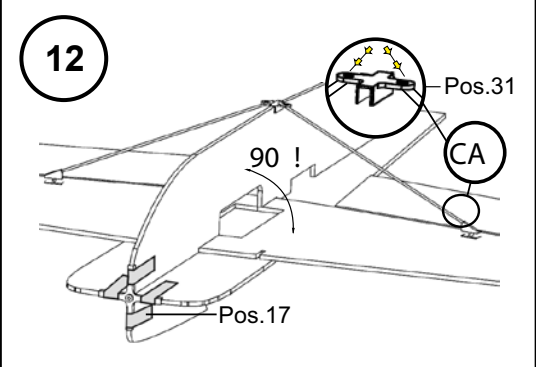
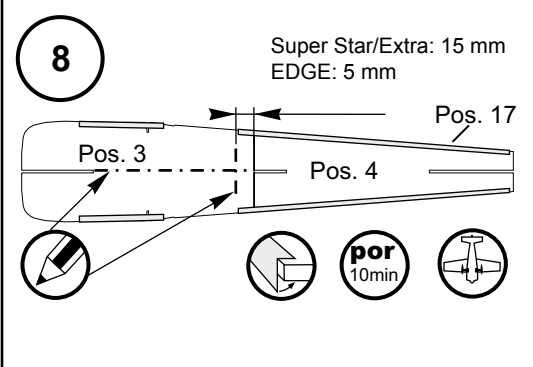
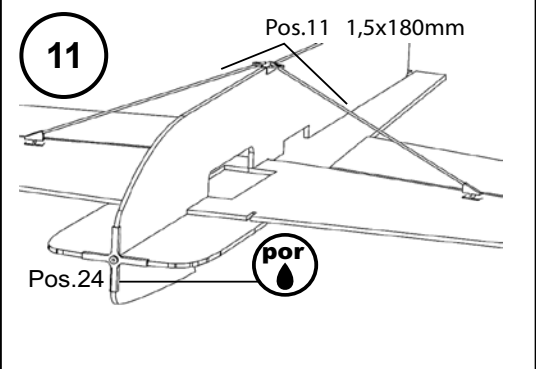
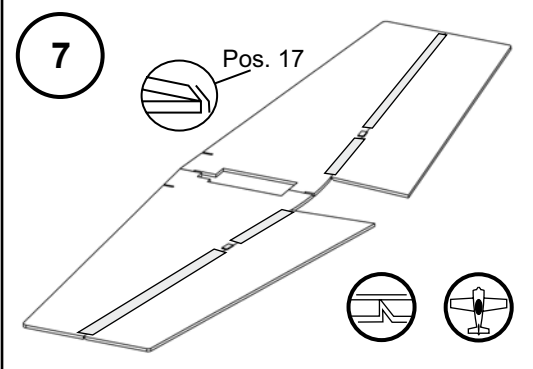
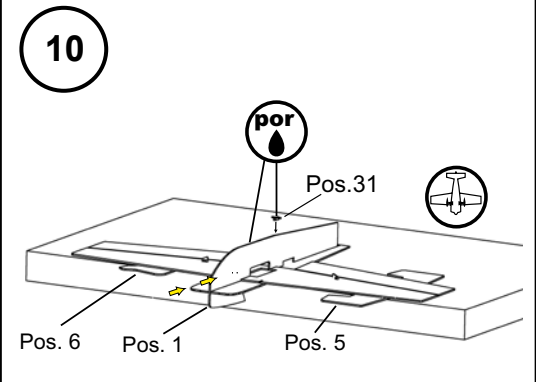
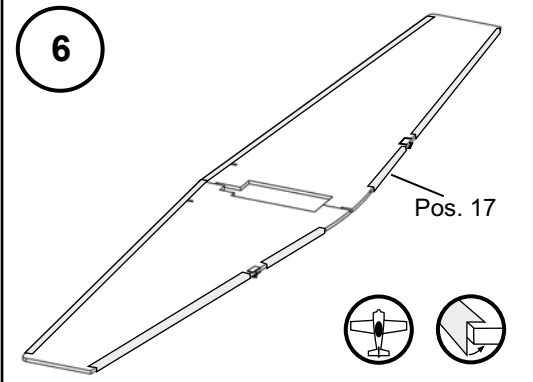
4



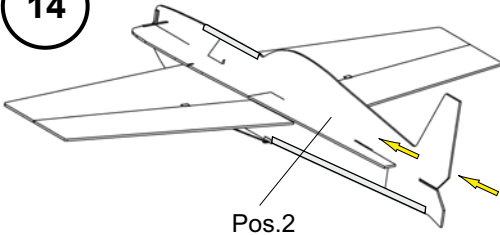
por
10min



5



14

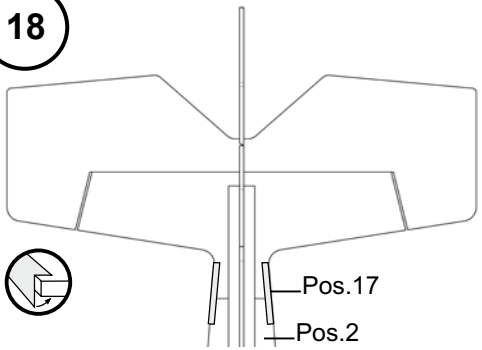


por
10min



Pos.2

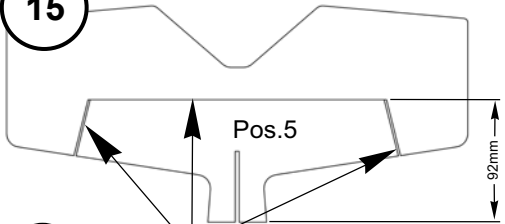
18



Pos.17

Pos.2

15

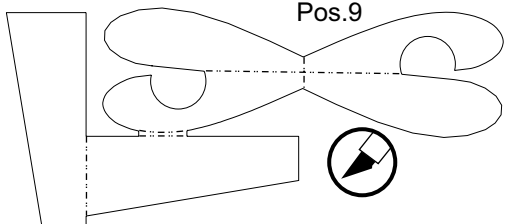


92mm

Pos.5



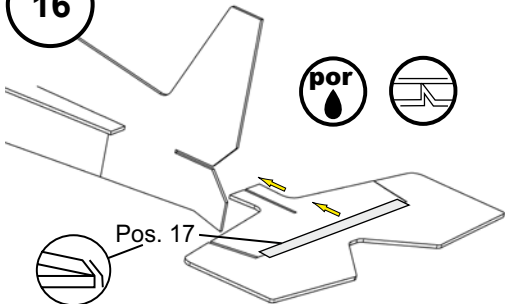
19



Pos.9



16



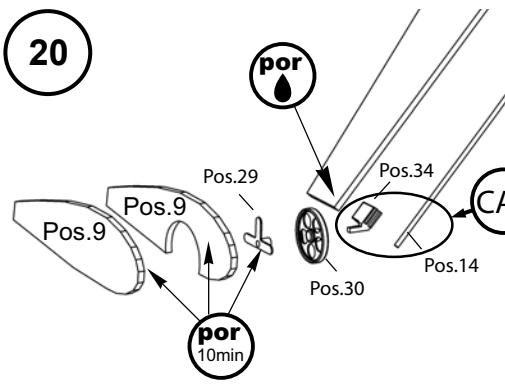
por



Pos.17



20



por

Pos.29

Pos.34

Pos.9

Pos.9

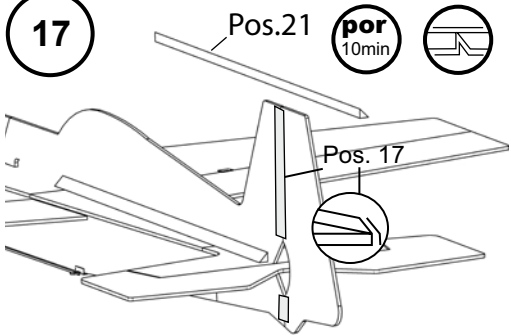
Pos.30

Pos.14

CA

por
10min

17



Pos.21

por
10min



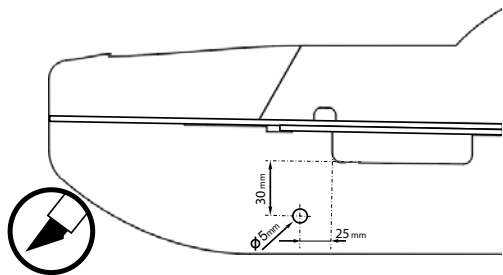
Pos.17



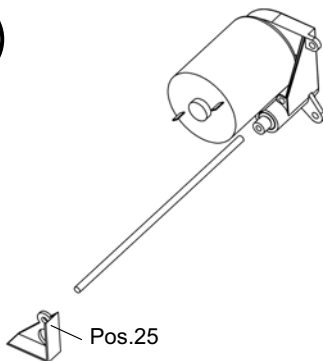
Pos.17



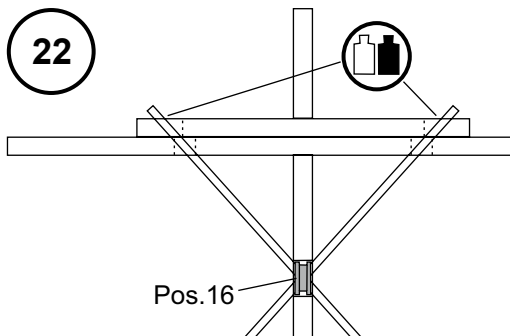
21



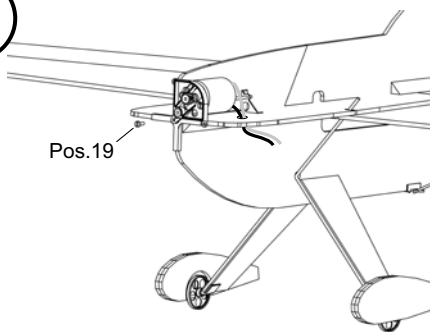
24



22



25



Accessoires nécessaires

Référence	Désignation	Qté
2021001	Set de propulsion	1
171201	Servo Lexors Micro 201	3
ou 171100	Servo Lexors 100	3
160533	Micro variateur	1

Accus de propulsion

2027001	Accu de propulsion 10 éléments, 350 mA	1
---------	---	---

pour la voltigé simple, temps de vol 4-5 minutes

Nous conseillons

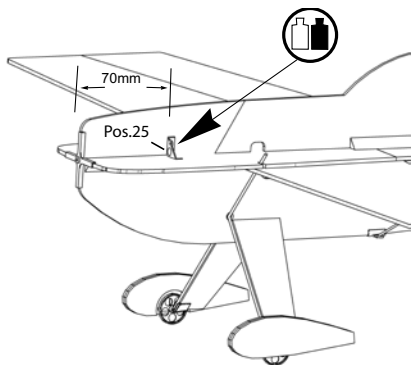
2027002	Accu de propulsion Li-Poly 11,1 volts, 700 mA	1
---------	--	---

pour la voltigé 3D, temps de vol 15 minutes

Pièces détachées Shockflyer

Référence	Désignation	Qté
2023002	Roues, avec axe (la paire)	1
2023003	Support réducteur	1
2023004	Lot Guignol	1
2014024	Renfort aile carbone	1
800024	Tringle de commande carbone 1,5 x 1000 mm	1
800025	Haubanage train carbone 2 x 1000 mm	1

23



26

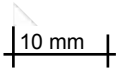
Débutant
Voltige simple



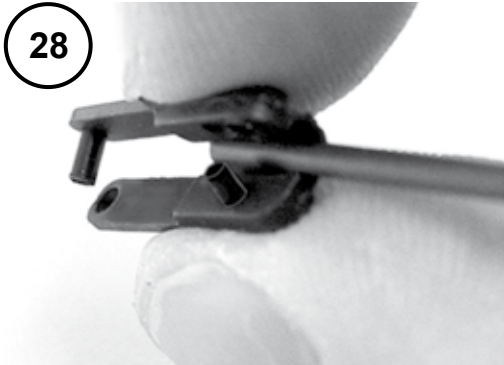
Expert
Voltige 3D 25-60% d'Expo



27



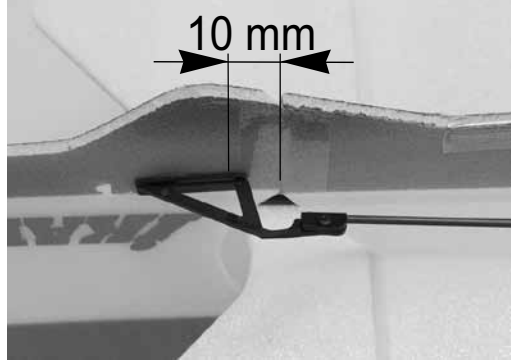
28



CA

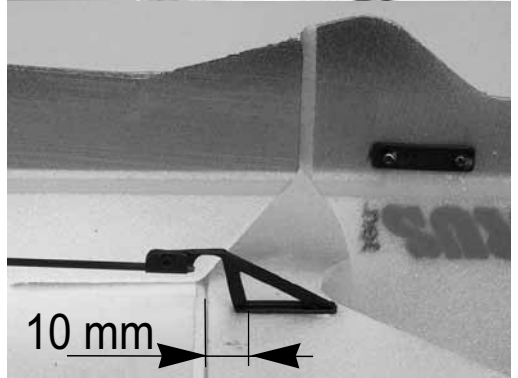
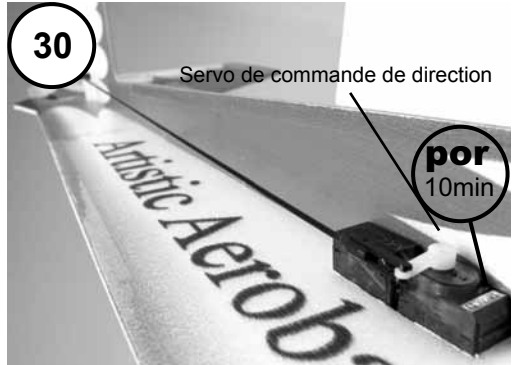
29

Servo de commande de direction

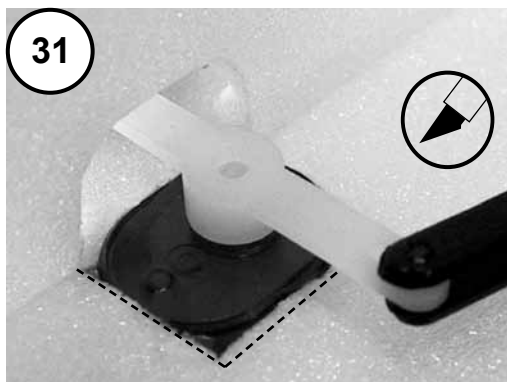


30

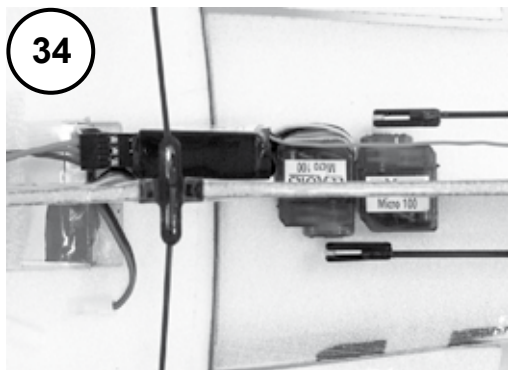
Servo de commande de direction



31

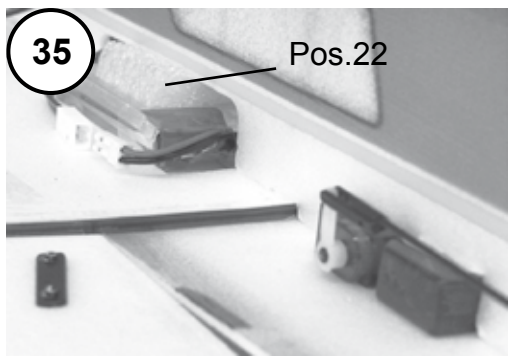


34



35

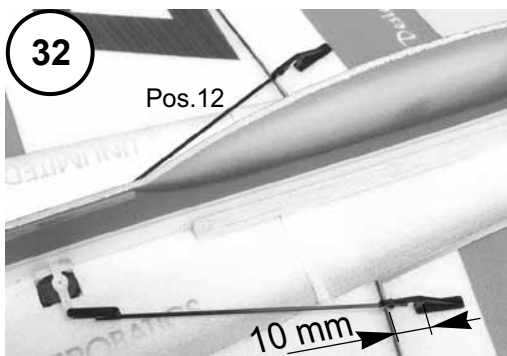
Pos.22



32

Pos.12

10 mm



36

40-60 mm



33



Attention !

Les pièces peuvent présenter une légère courbure, mais ceci est dû au matériau et n'a aucune influence sur les qualités de vol.

Gewährleistungsbestimmungen

Für dieses IKARUS Produkt übernehmen wir eine Gewährleistung von 24 Monaten. Als Beleg für den Beginn und den Ablauf dieser Gewährleistung dient die Kaufquittung. Eventuelle Reparaturen verlängern den Gewährleistungszeitraum nicht. Wenn im Garantiezeitraum Funktionsmängel, Fabrikations- oder Materialfehler auftreten, werden diese von uns behoben. Weitere Ansprüche, z. B. bei Folgeschäden, sind komplett ausgeschlossen. Reparatureinsendungen bitte an die unten angegebene Adresse. Bei Einsendung eines Gerätes, das sich nach der Eingangsprüfung als funktionsfähig herausstellt, erheben wir eine Bearbeitungsgebühr von 20,- €. Der Transport muss frei erfolgen, der Rücktransport erfolgt ebenfalls frei. Unfreie Sendungen können nicht angenommen werden. Für Schäden, die beim Transport Ihrer Zusendung erfolgen, übernehmen wir keine Haftung. Auch der Verlust Ihrer Sendung ist von der Haftung durch uns ausgeschlossen.

Bei Rückfragen und technischen Problemen nutzen Sie unsere Service-Hotline unter der Telefonnummer 0900 1 – 79 50 20 (0,99 €/ Min. Erreichbar von Montag bis Donnerstag in der Zeit von 10 Uhr bis 12 Uhr und von 13 Uhr bis 16 Uhr, freitags von 14 Uhr bis 16 Uhr).

Warranty terms

We warrant the IKARUS product within the European Union for a period of 24 months.

Your sales receipt is evidence of the start and finish of the warranty period. Any repairs do not extend the warranty period. If any functional, manufacturing or material defects become evident during the warranty period we will rectify them. Further claims, e.g. subsequent damage or loss are strictly excluded. There will be a 20.00 € service charge (plus return shipping charges) for repair items, which turn out to be in perfect condition. Postage must be paid for; the return shipping will also be paid for. Shipments arriving postage collect will not be accepted. We do not accept any liability for damage or loss during inbound transport.

Conditions de garantie

Nous offrons une garantie de 24 mois pour le produit IKARUS. La date du ticket de caisse est la date du début de la garantie. D'éventuelles réparations ne prolongent pas cette durée. Si pendant cette période, des défauts matériels ou de fabrication ainsi que des ratés au niveau fonctionnel surviennent, nous les réparerons. Tout autre problème comme par ex. des dégâts consécutifs ne sont pas couverts. Envoyez l'article défectueux à l'adresse indiquée. Votre envoi doit être affranchi par vos soins, de même que l'envoi de retour le sera par nos soins. Tout article retourné pour réparation dont le fonctionnement s'avère correct après contrôle, fera l'objet d'une facturation forfaitaire de 20,- €. Les envois non affranchis ne peuvent pas être acceptés. Nous ne sommes pas responsables des dommages survenant pendant le transport de votre paquet. De même en cas de perte du colis. Pour toute réclamation ou commande de pièces de rechange, veuillez contacter l'une des adresses suivantes.



Ikarus Modellsport
Im Webertal 22
D-78713 Schramberg-Waldmössingen

International Call Center: +49 (0) 74 02/ 92 91-900

Fax: +49 (0) 74 02/ 92 91-750

info@ikarus.net

www.ikarus.net



