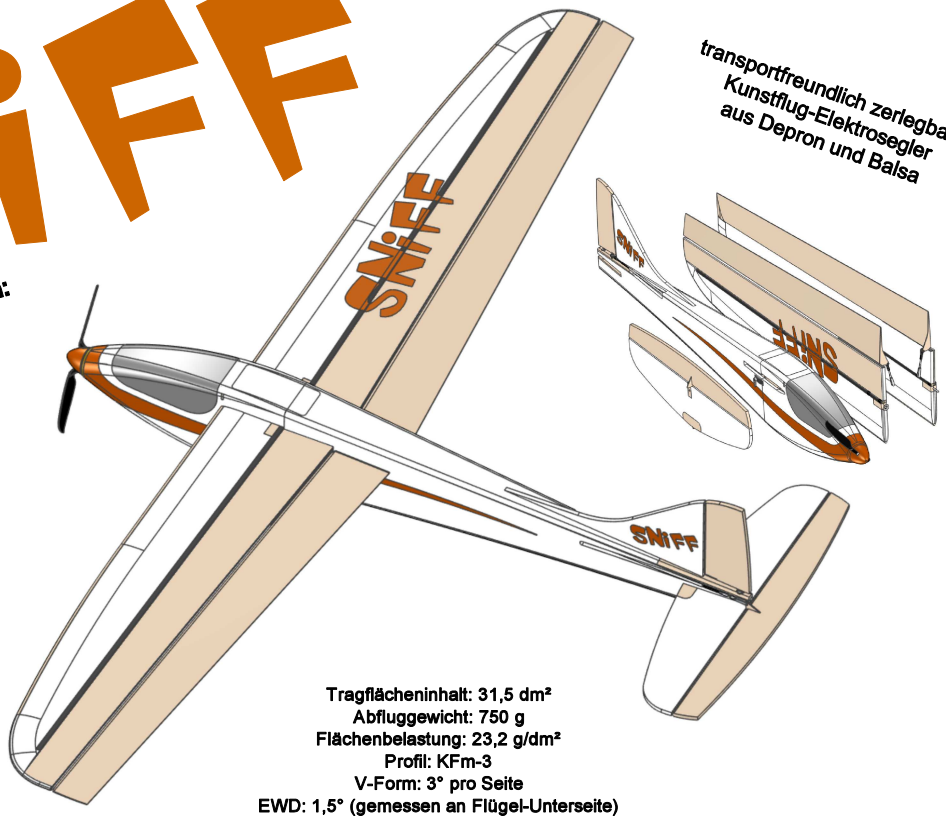
SNiFF

transportfreundlich zerlegbarer
Kunstflug-Elektrosegler
aus Depron und Balsa

Entwurf und Konstruktion:
Hilmar Lange



Steuerung über:
Höhe / Seite / Quer / Motor

mögliche Zusatz-
funktion:
Wölbklappen

Tragflächeninhalt: 31,5 dm²
Abfluggewicht: 750 g
Flächenbelastung: 23,2 g/dm²
Profil: KFm-3
V-Form: 3° pro Seite
EWD: 1,5° (gemessen an Flügel-Unterseite)
Motor-Seitenzug: 2,5°
Motorsturz: 5°

RC-Ausstattung:

PLANET-HOBBY **Spinner 40 / 3,2mm** Alu
für Klapp-Propeller
(Lindinger-Art.-Nr.: 64868)

Aeronaut **CAM-Carbon 8x4"**
(Lindinger-Art.-Nr.: 723413)

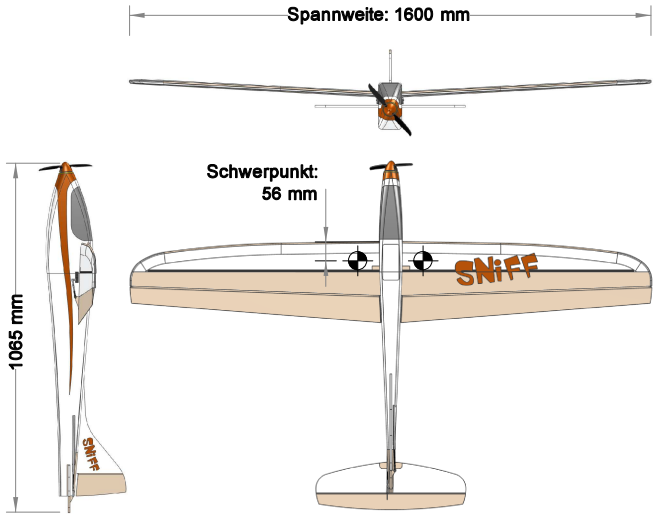
maximaler Motordurchmesser: 30 mm
z.B. PLANET-HOBBY **BL Joker 2830-7 V3**
1500 KV / 58 g
(Lindinger-Art.-Nr.: 9748727)

4x **Servo 9x23 mm** / 13g
z.B. Torcster NR-65 MG BB Digital
oder Robbe FS 166 BB MG Digital
(Lindinger-Art.-Nr.: 9756143)

Empfänger: 6-Kanal
z.B. Spektrum mit Vario (SPMAR6610T)

Regler: 30 A
z.B. Spektrum AVIAN (SPMXAE1030)

Akku: 3S 1500 mAh
(ab ca. 40C)

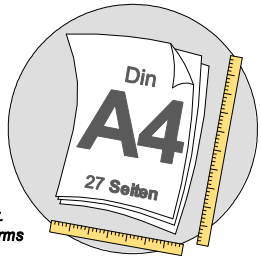


Höhenruder	*elevator*	+- 18 mm	
Seitenruder	*rudder*	+- 30 mm	
Querruder	*aileron*	+- 25 mm	

Flaps:		Querruder	Höhenruder
Neutral	*neutral*	0 mm	0 mm
Thermik	*thermal*	-7 mm	+1 mm
Bremsen	*brake*	-35 mm	-5 mm

alle Werte gemessen am Punkt der größten Rudertiefe
all values measured at the point of greatest rudder depth

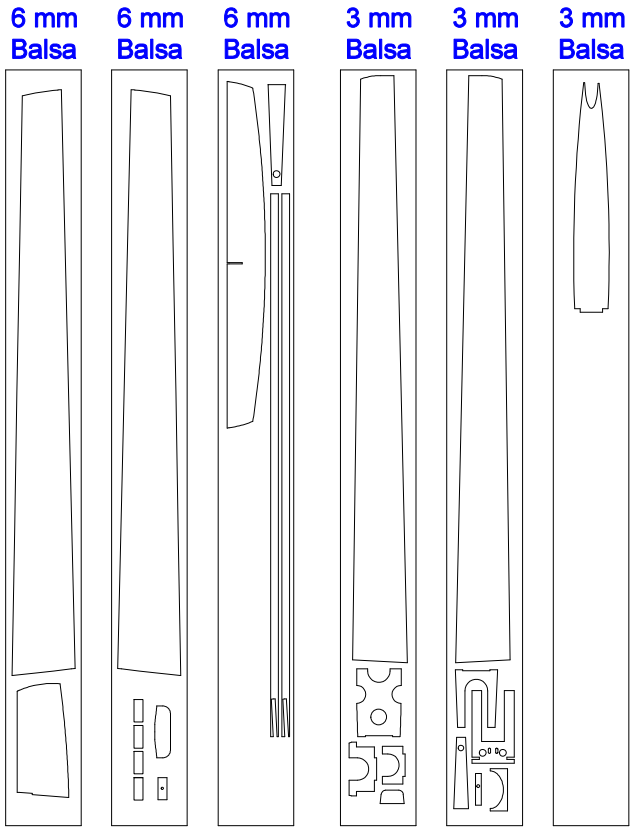
Die Thermikstellung dient dazu, dass das Modell langsamer fliegt. Die Bremsfunktion wird so eingestellt, dass das Modell einen dauerhaft stabilen Sinkflug vollführt.
The thermal setting is used to make the model fly more slowly. The braking function is set in such a way that the model performs a permanently stable descent.



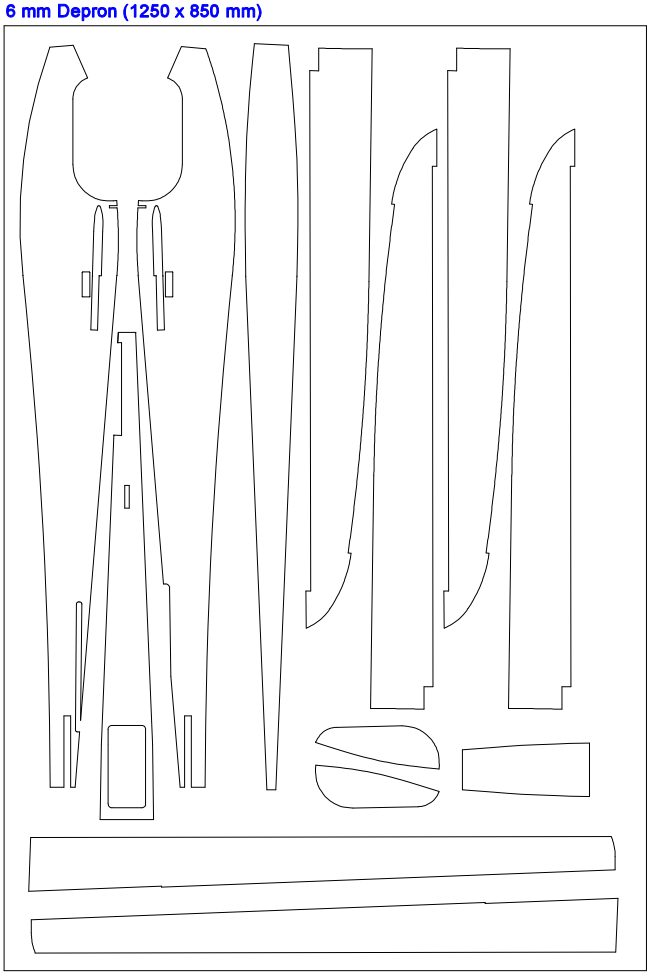
Aufgepasst beim Ausdrucken: stellen Sie im Druckmenü unter "Seiteneinstellungen" die Seitenanpassung auf "keine" bzw. "100%" !

cm

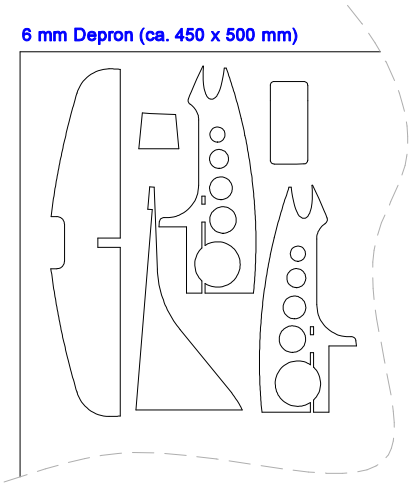
Materialbedarf
(Darstellung im Maßstab 1:10)



6 mm Depron (1250 x 850 mm)

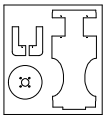


6 mm Depron (ca. 450 x 500 mm)



1,5 mm Flugzeug-sperrholz

4 mm Pappel-sperrholz

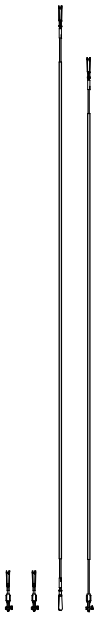


12x **Rundmagnet** Ø 3 x 3 mm

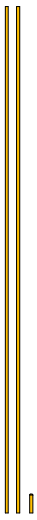
Federstahldraht Ø 4 mm x 155 mm

2 kleine **Schraubhaken** (außen-Ø max. 10 mm)

1 **Nylonschraube** M4 x 22 + **Mutter** M4

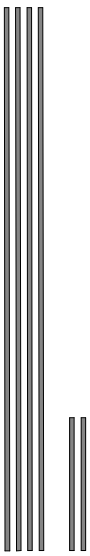


Anlenkungs-gestänge:
48 mm
48 mm
795 mm
726 mm

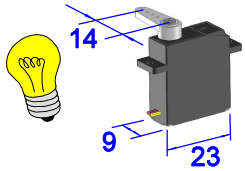


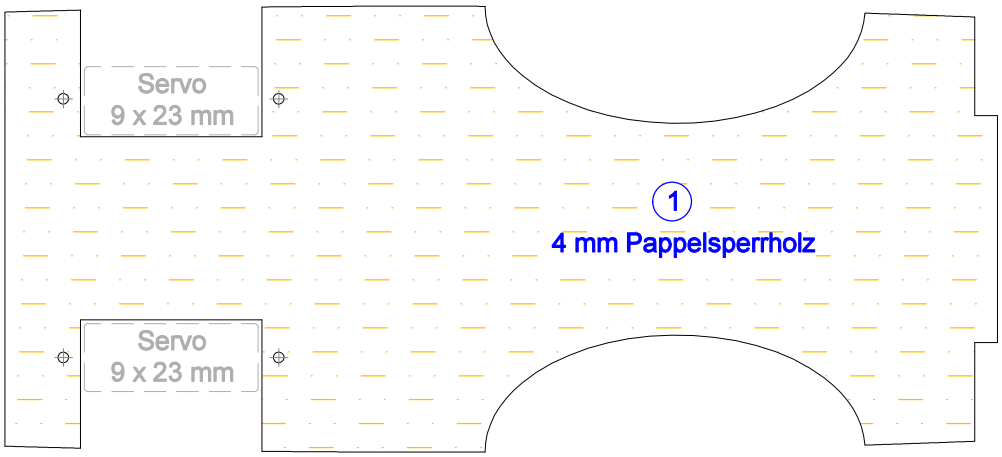
Ø 4 mm **Rundholz**
668 mm
668 mm
25 mm

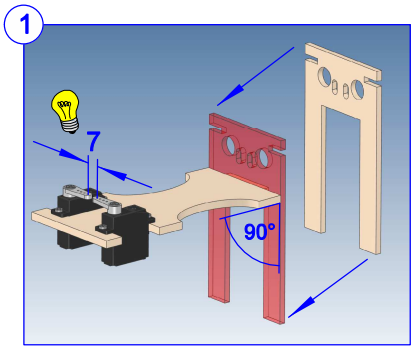
Ø 4,1 / Ø 5 mm **Messingrohr**
55 mm
50 mm
50 mm

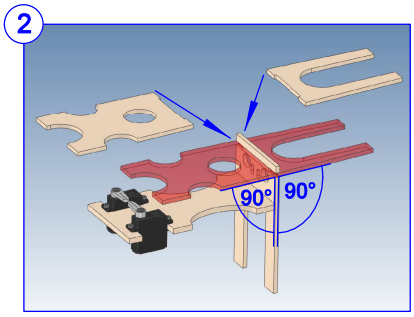


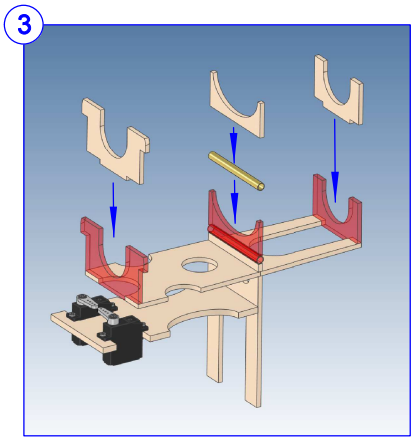
6x1 mm **CFK-Profilstab**
719 mm
719 mm
719 mm
719 mm
176 mm
176 mm


14
9
23


Servo
9 x 23 mm
1
4 mm Pappelsperrholz
Servo
9 x 23 mm


1
7
90°


2
90°
90°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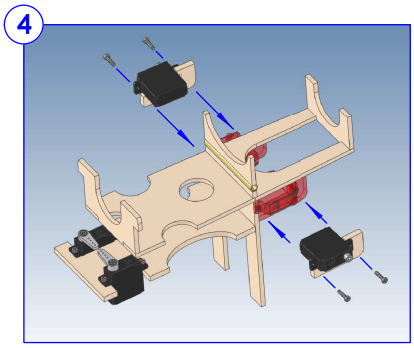
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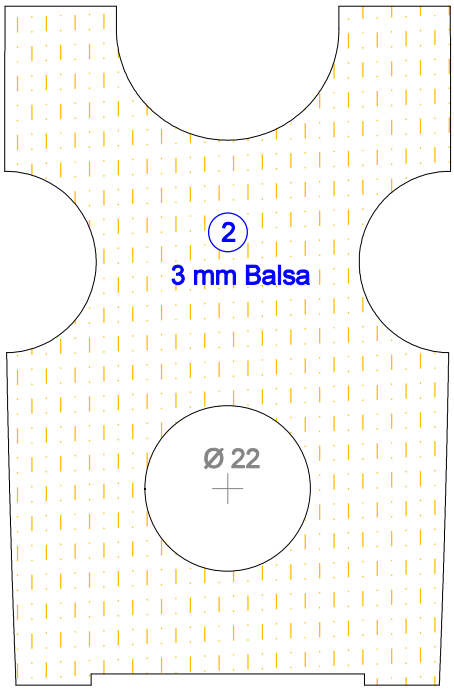
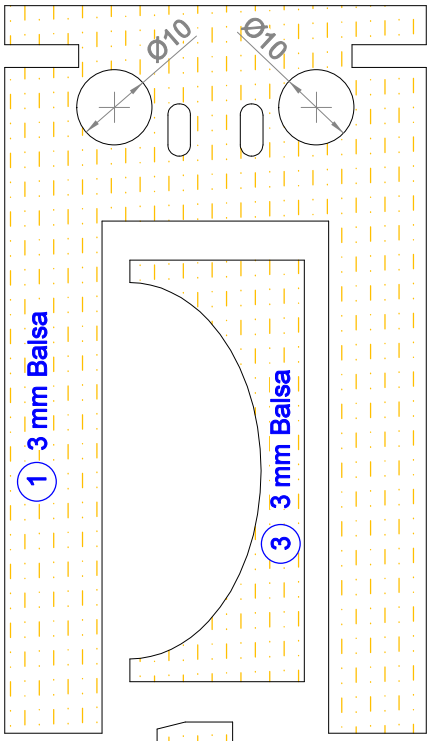
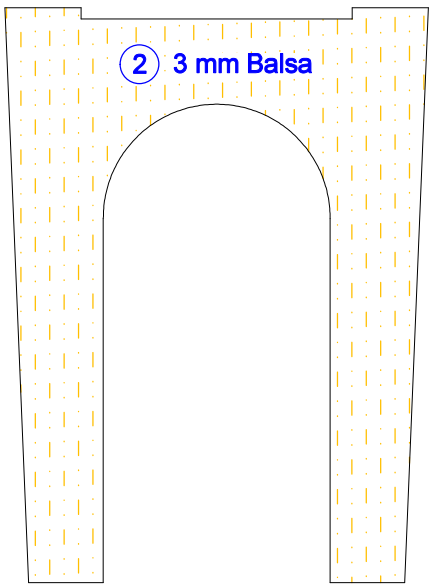
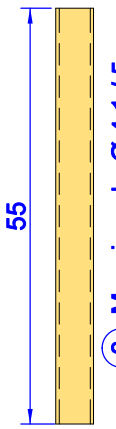
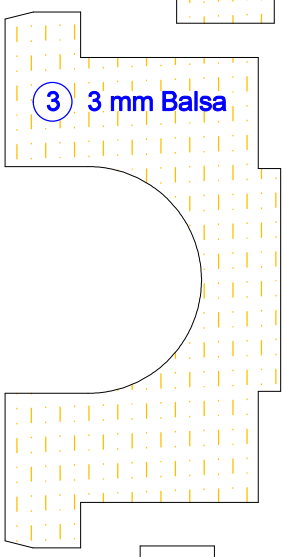
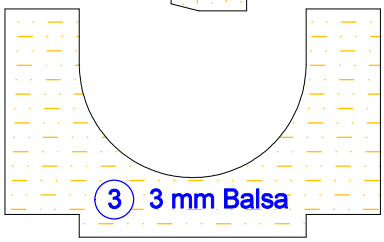

2
3 mm Balsa
Ø 22


Ø10
Ø10
1 3 mm Balsa
3 3 mm Balsa


2 3 mm Balsa

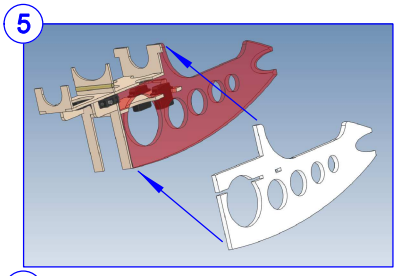

55
3 Messingrohr Ø 4,1 / 5


3 3 mm Balsa


3 3 mm Balsa


Servo
9 x 23 mm
4
(2x)
4 mm Pappelsperrholz

5



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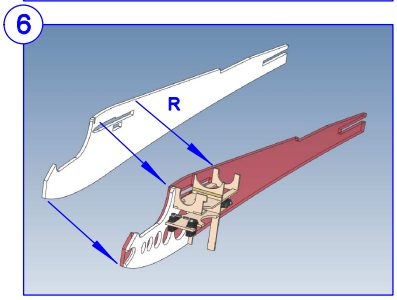

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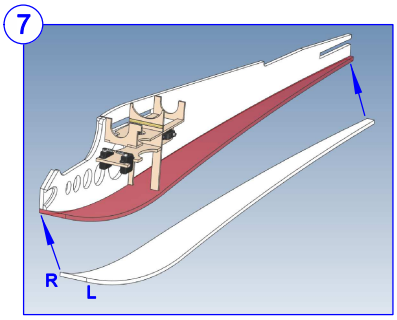
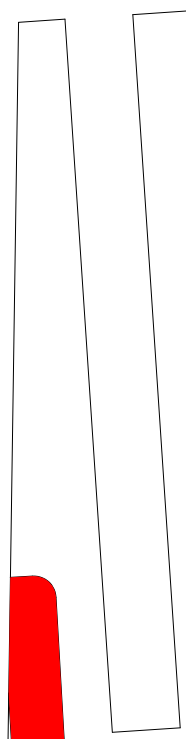




Nur an
RECHTER
Rumpfhälfte!
RIGHT part
only!

5 / 9
6 mm Depron
(2x)

Ø 60

Ø 35

Ø 30

Ø 25

Ø 20

Kontur Rumpf-Seitenteil / Contour fuselage side panel

innen

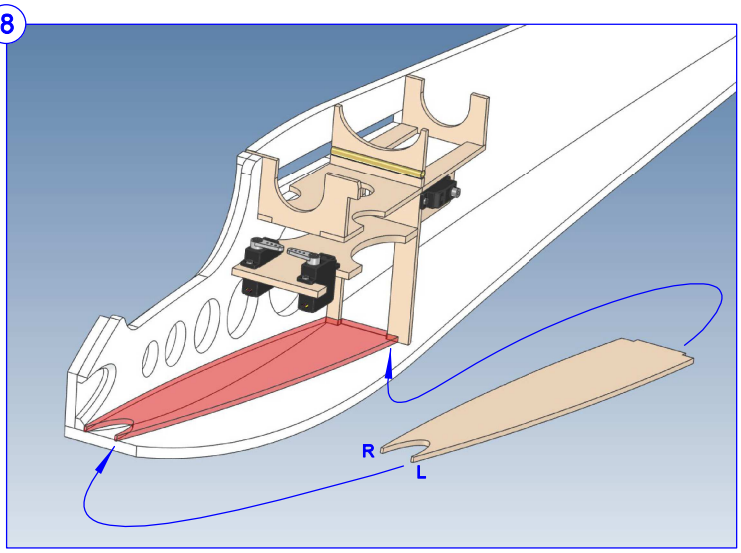
bevel

Seite 4

inside

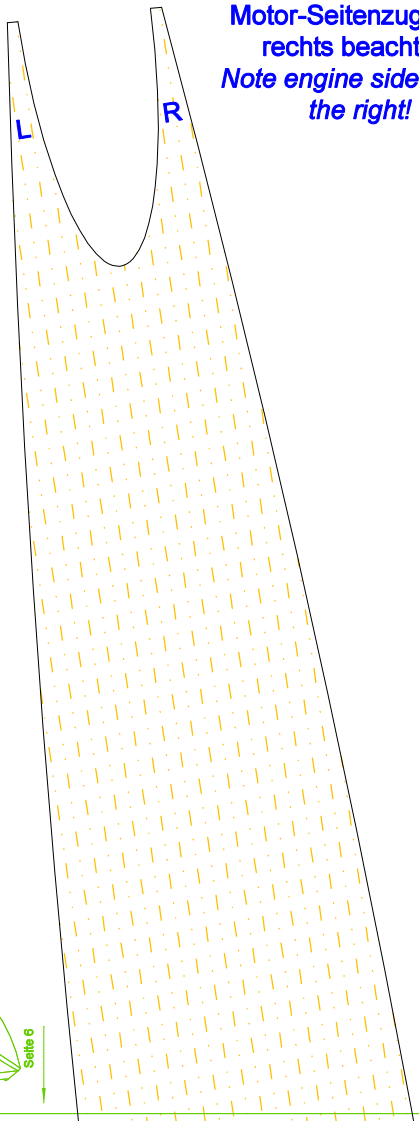
anschrägen

8



Nur an
LINKER
Rumpfhälfte!
LEFT part
only!

Motor-Seitenzug nach
rechts beachten!
Note engine side pull to
the right!



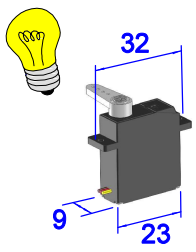
Seite 6

Seite 5

⑧ 3 mm Balsa

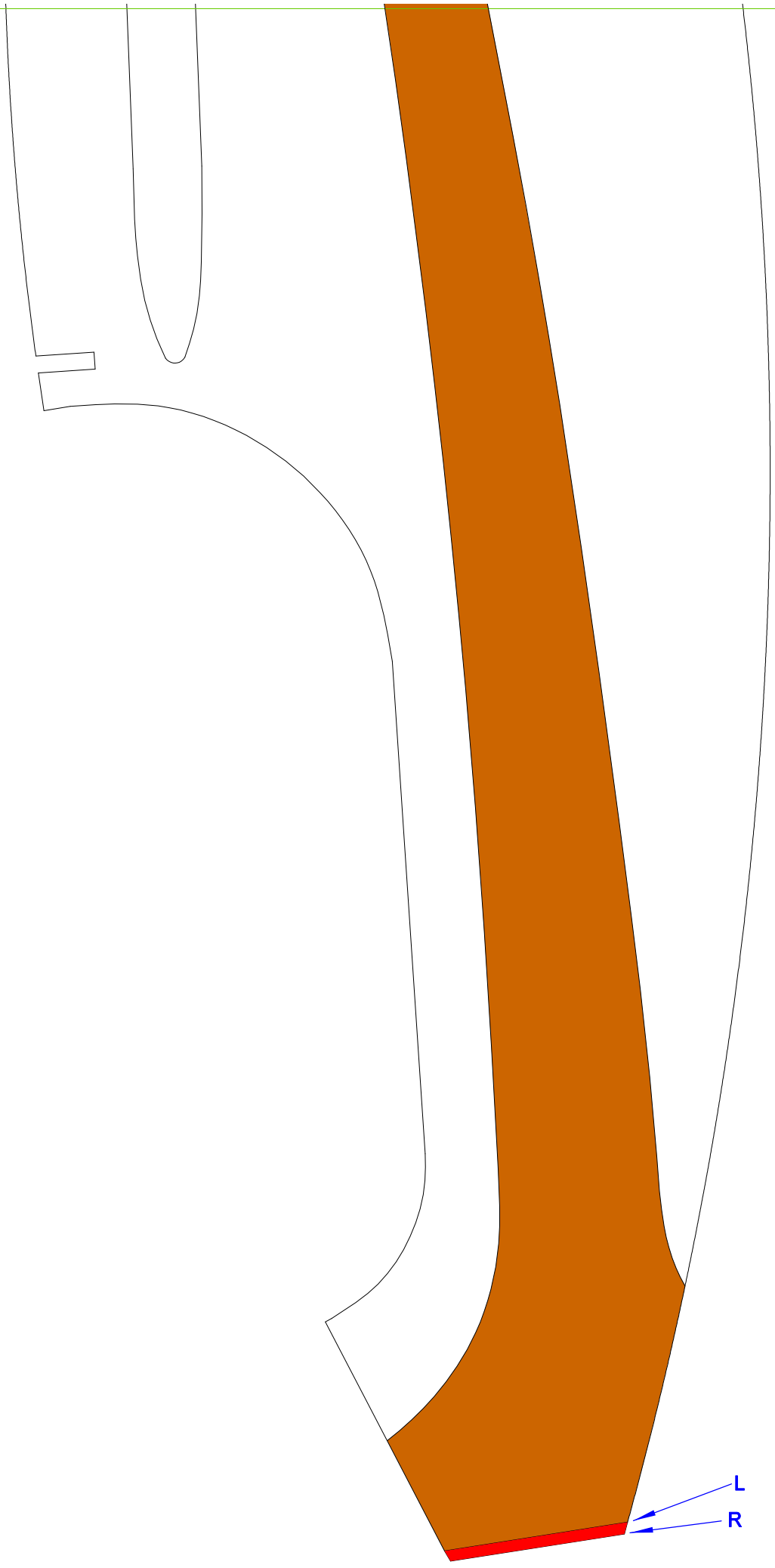
⑥/⑨
6 mm Depron
(2x)

Servo-Ausschnitt
servo-cutout



Servo-Ausschnitt
passend für
vorgeschlagenes Servo
Servo cutout to fit
suggested servo

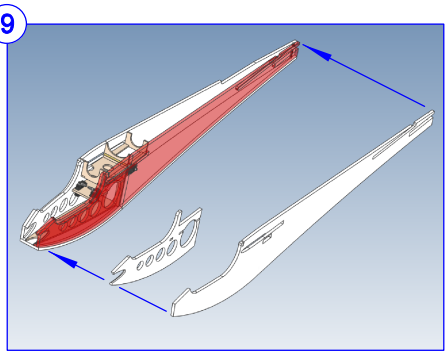
Seite 7



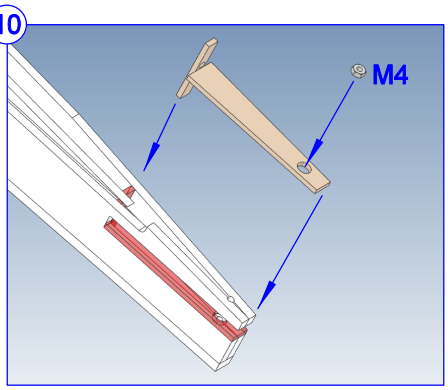
Aufgrund des Motor-Seitenzuges ist das rechte Rumpf-Seitenteil kürzer als das linke

Due to the engine side pull, the right fuselage side panel is shorter than the left

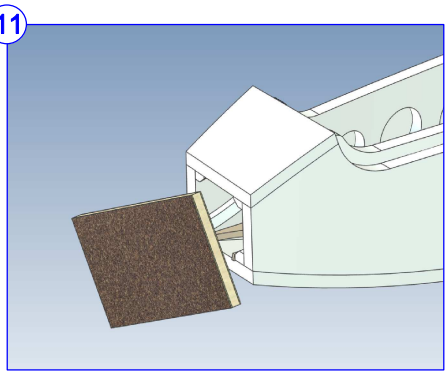
9

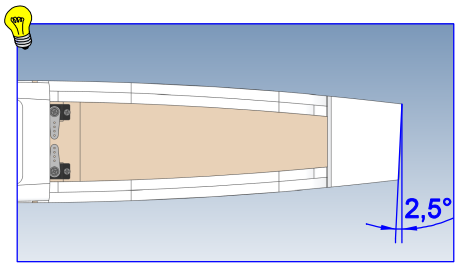


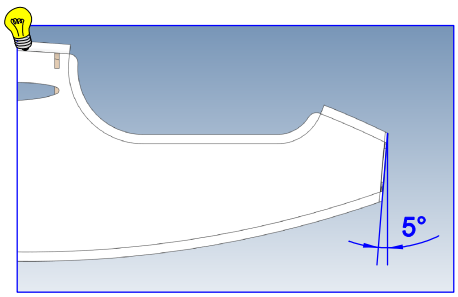
10


M4

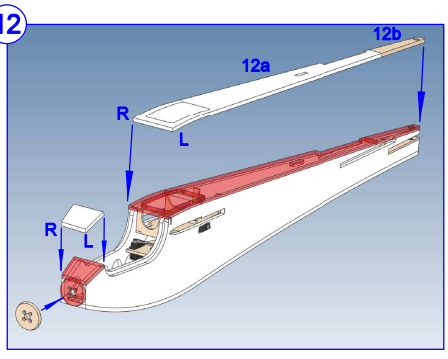
11

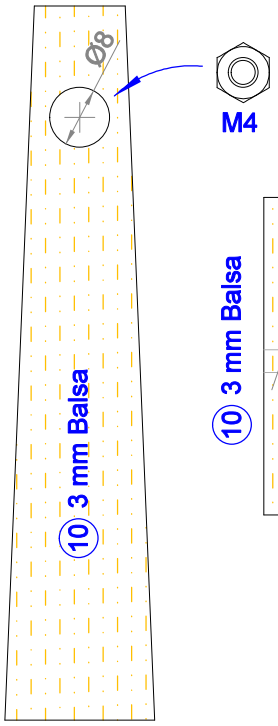



2,5°

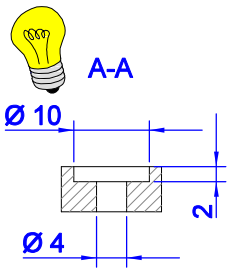

5°

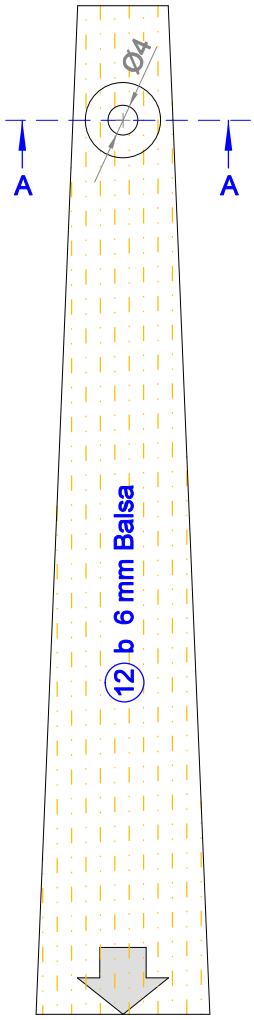
12

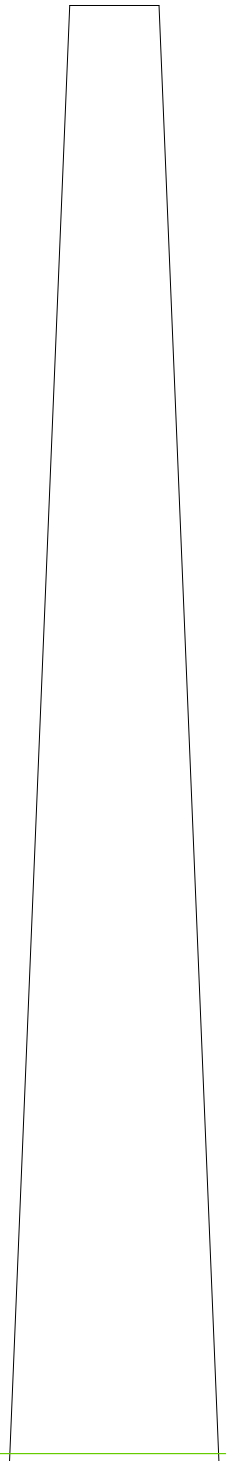

12a
12b
R
L
R
L


Ø8
M4
10 3 mm Balsa

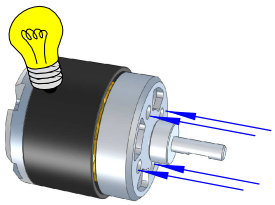
10 3 mm Balsa
Ø4

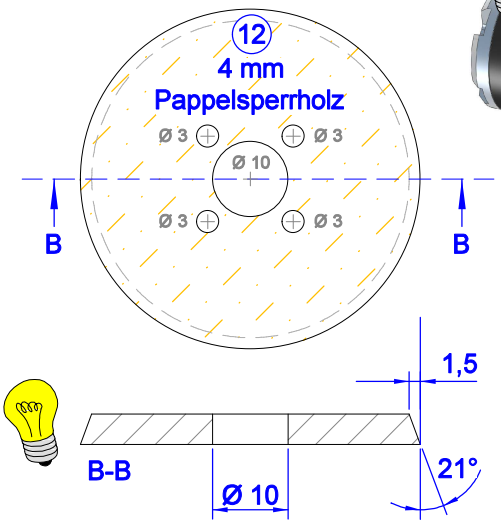

A-A
Ø 10
2
Ø 4


Ø4
A
A
12 b 6 mm Balsa

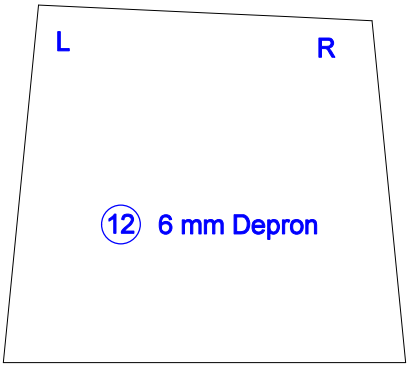


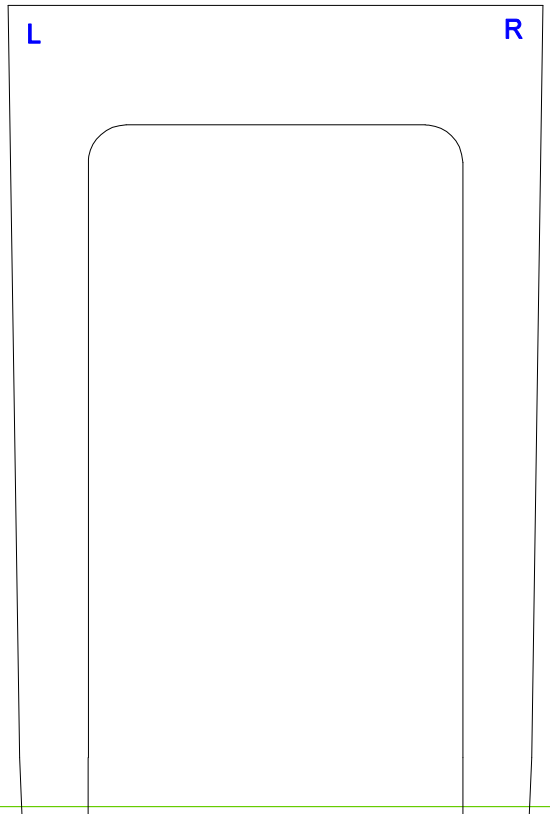
Seite 8





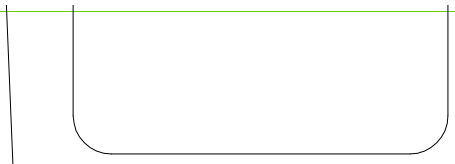
Bohrungen passend für vorgeschlagenen Motor
holes suitable for proposed motor





Seite 10

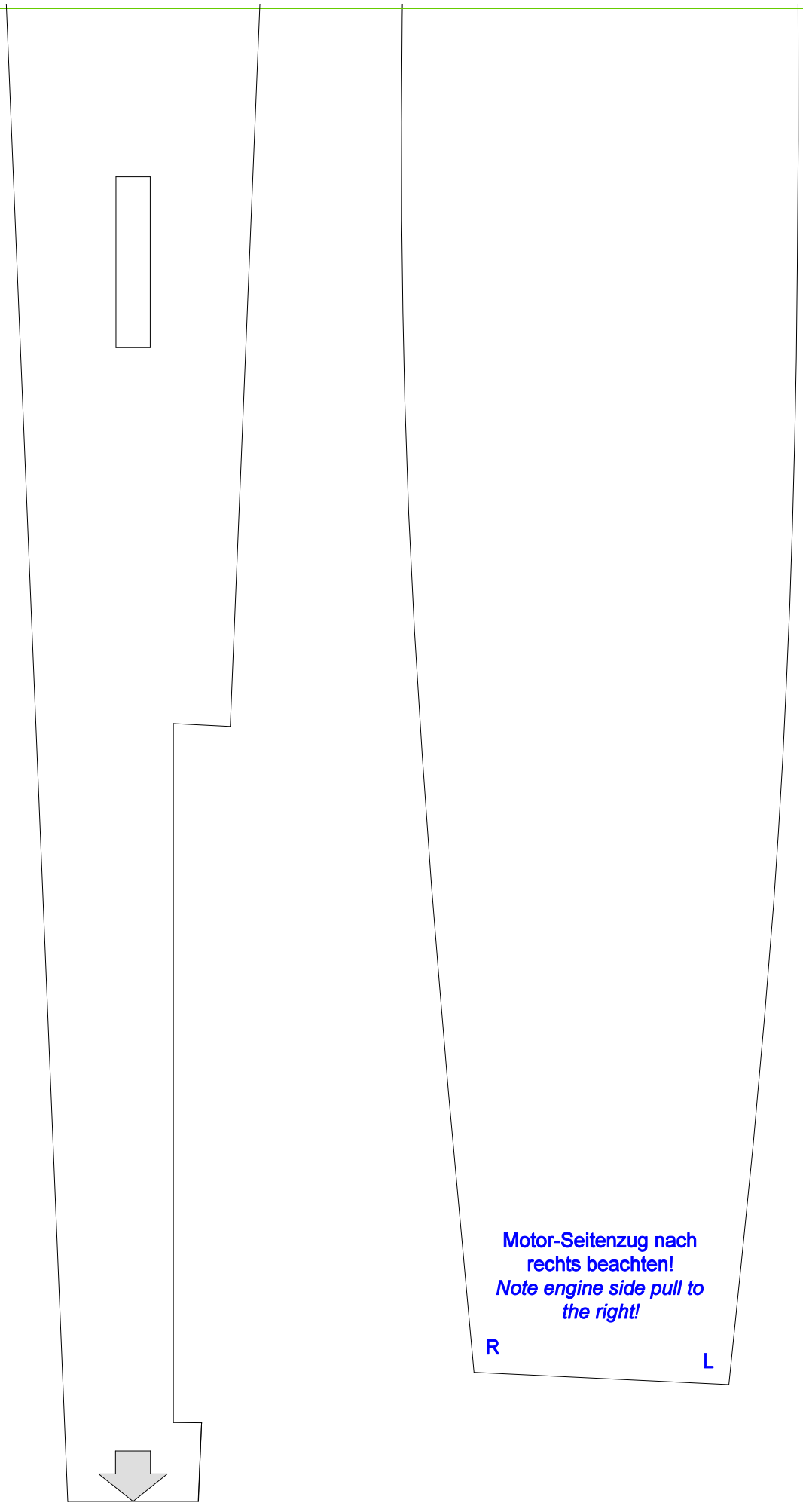
Seite 9

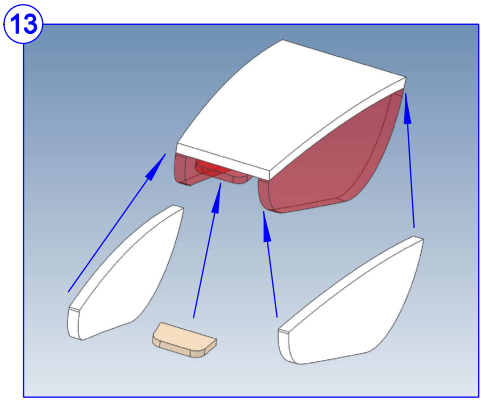


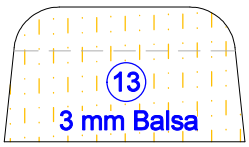
12a 6 mm Depron

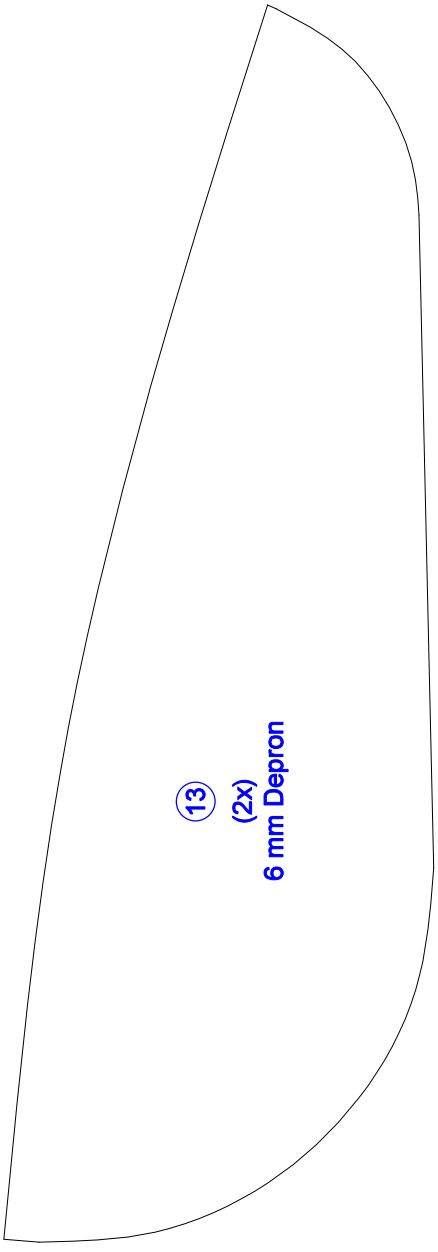
7 6 mm Depron

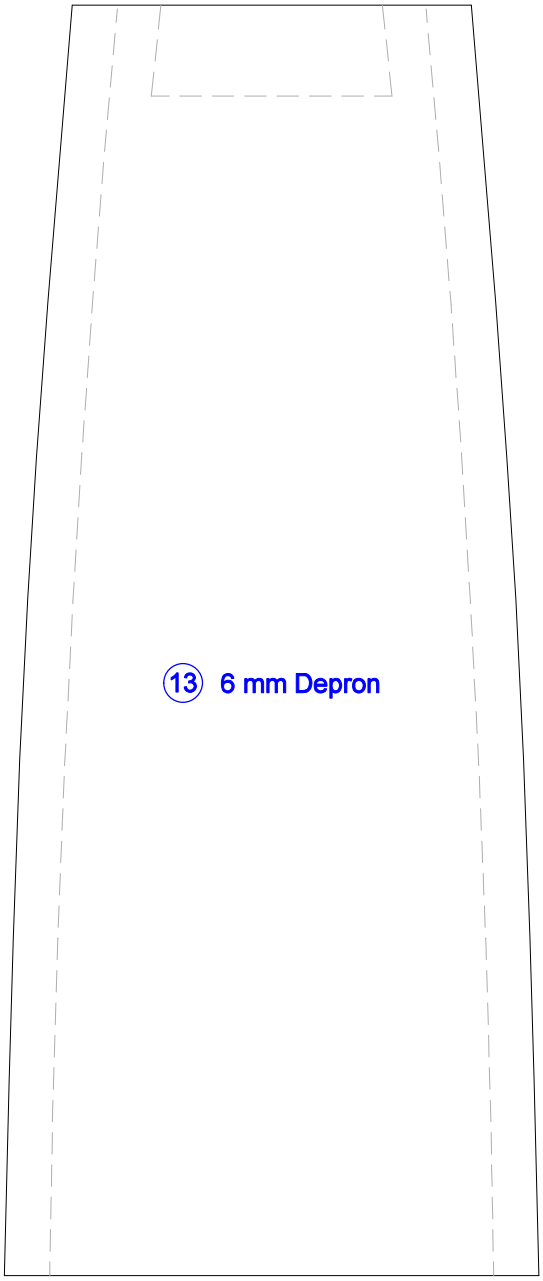
Seite 11


Motor-Seitenzug nach
rechts beachten!
*Note engine side pull to
the right!*
R
L

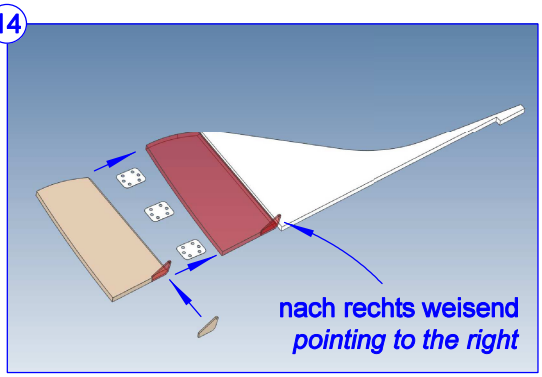

13


13
3 mm Balsa


13
(2x)
6 mm Depron


13
6 mm Depron

14



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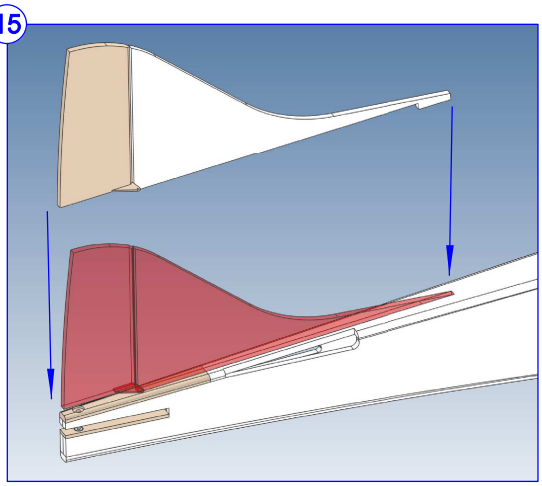
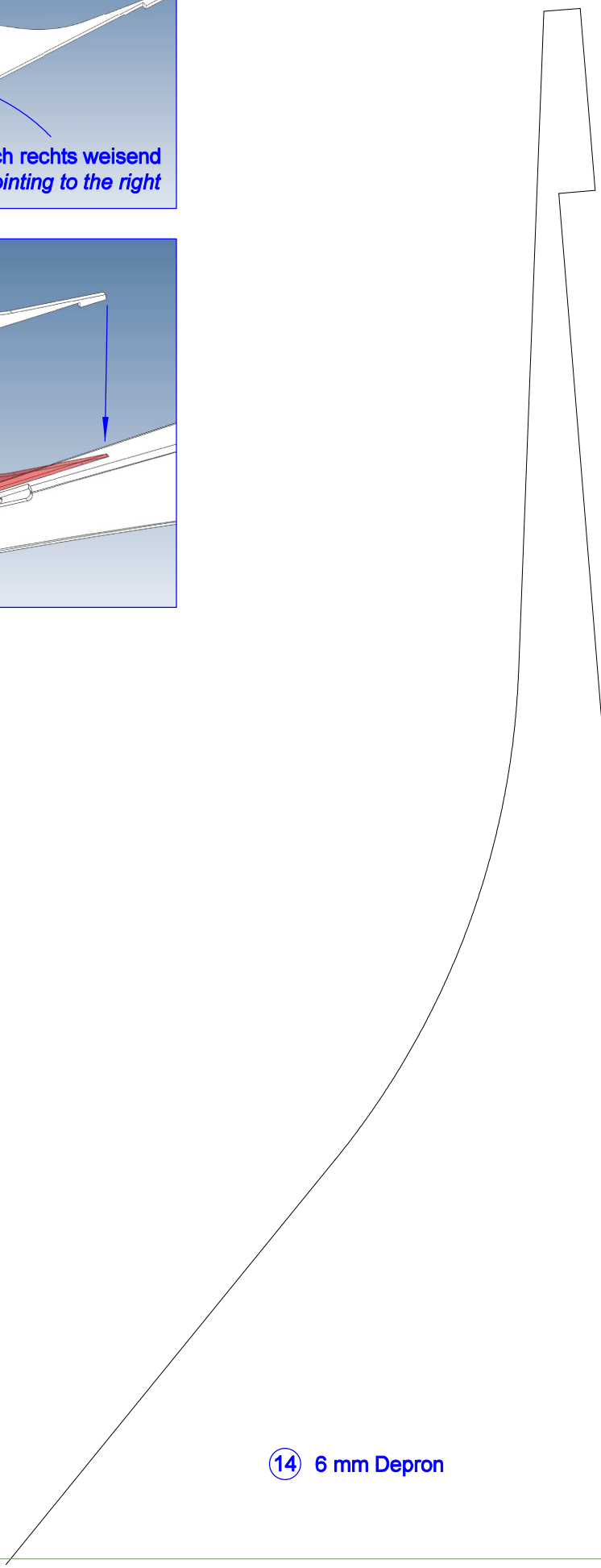
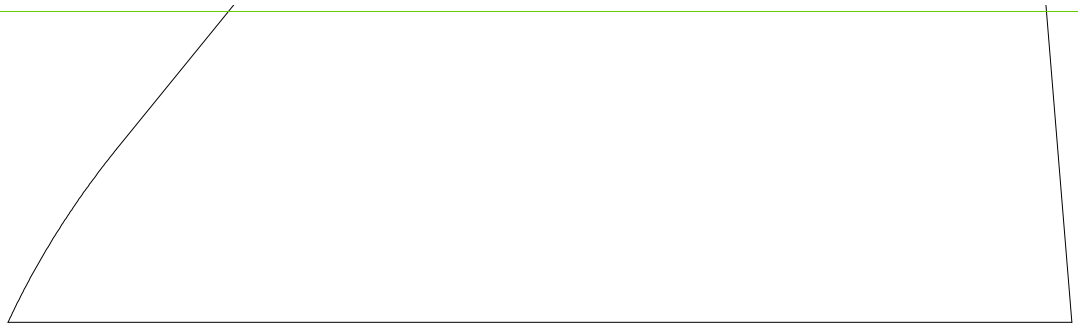
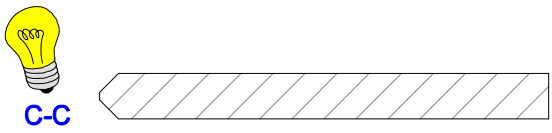
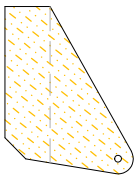




14 6 mm Depron



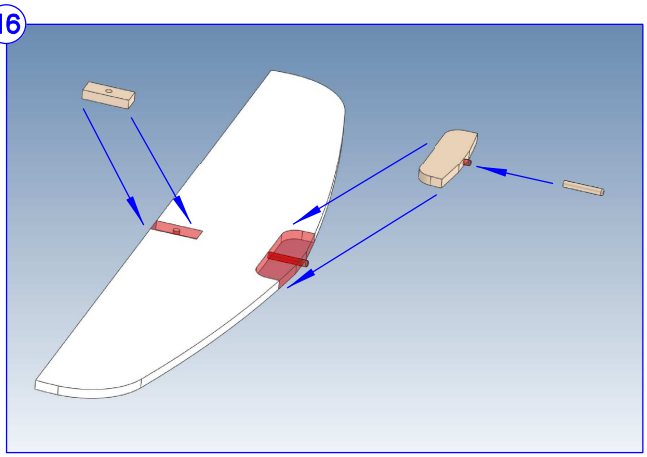




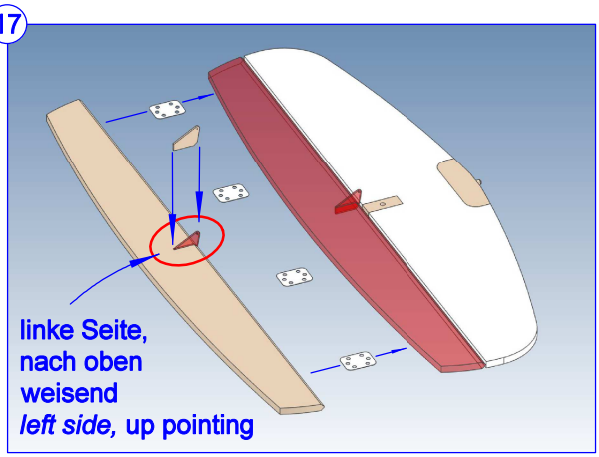
14

1,5 mm
Flugzeugsperrholz

16



17



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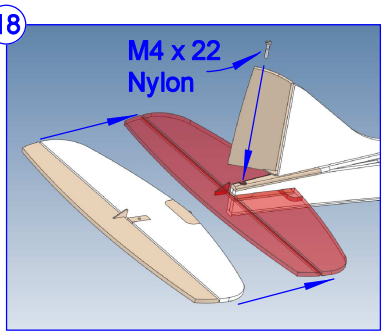
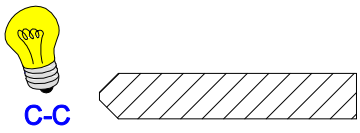
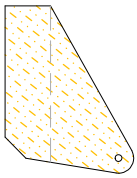
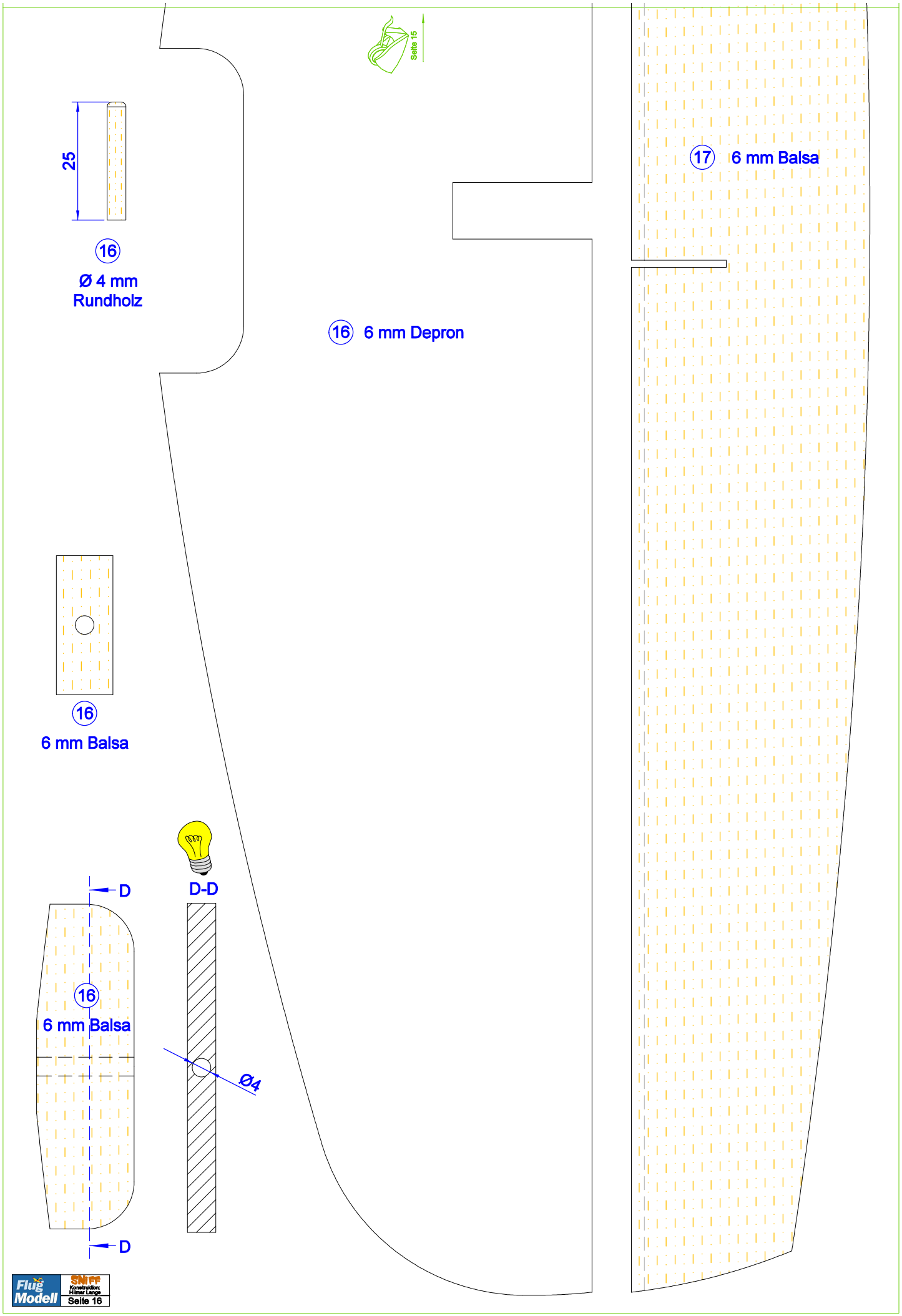




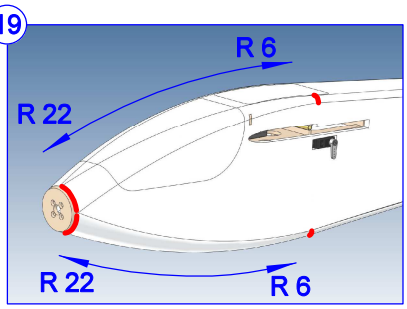


17

1,5 mm
Flugzeugsperrholz


Seite 15
25
16
Ø 4 mm
Rundholz
16 6 mm Depron
17 6 mm Balsa
16
6 mm Balsa
D
D-D
16
6 mm Balsa
Ø4
D

19



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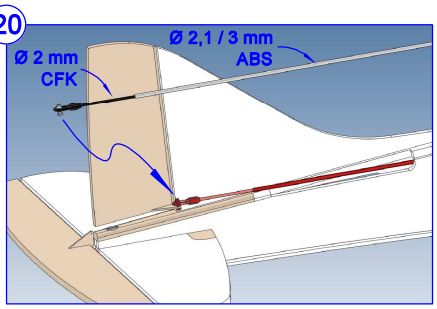

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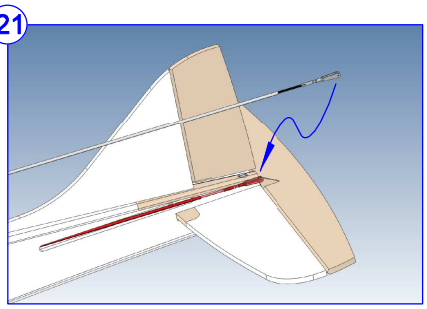
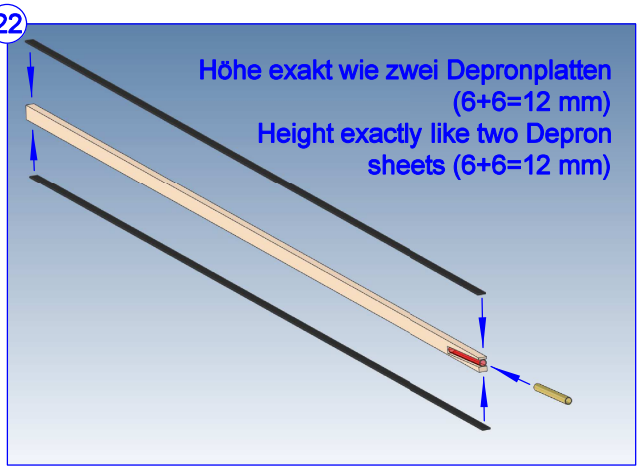


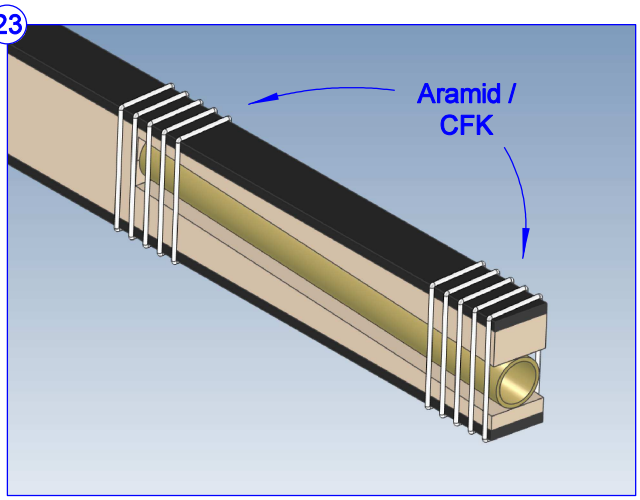
Im Folgenden wird der Bau der RECHTEN Flügelhälfte gezeigt. Der Bau des linken Flügels verläuft dementsprechend spiegelbildlich.

The construction of the RIGHT wing half is shown below. Accordingly, the construction of the left wing is a mirror image.

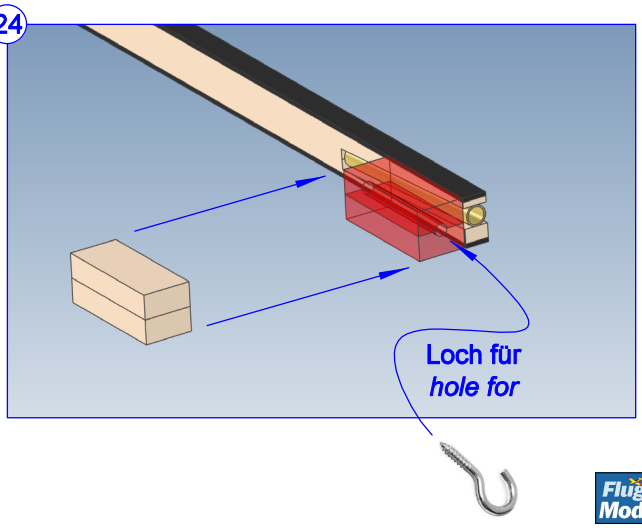
22

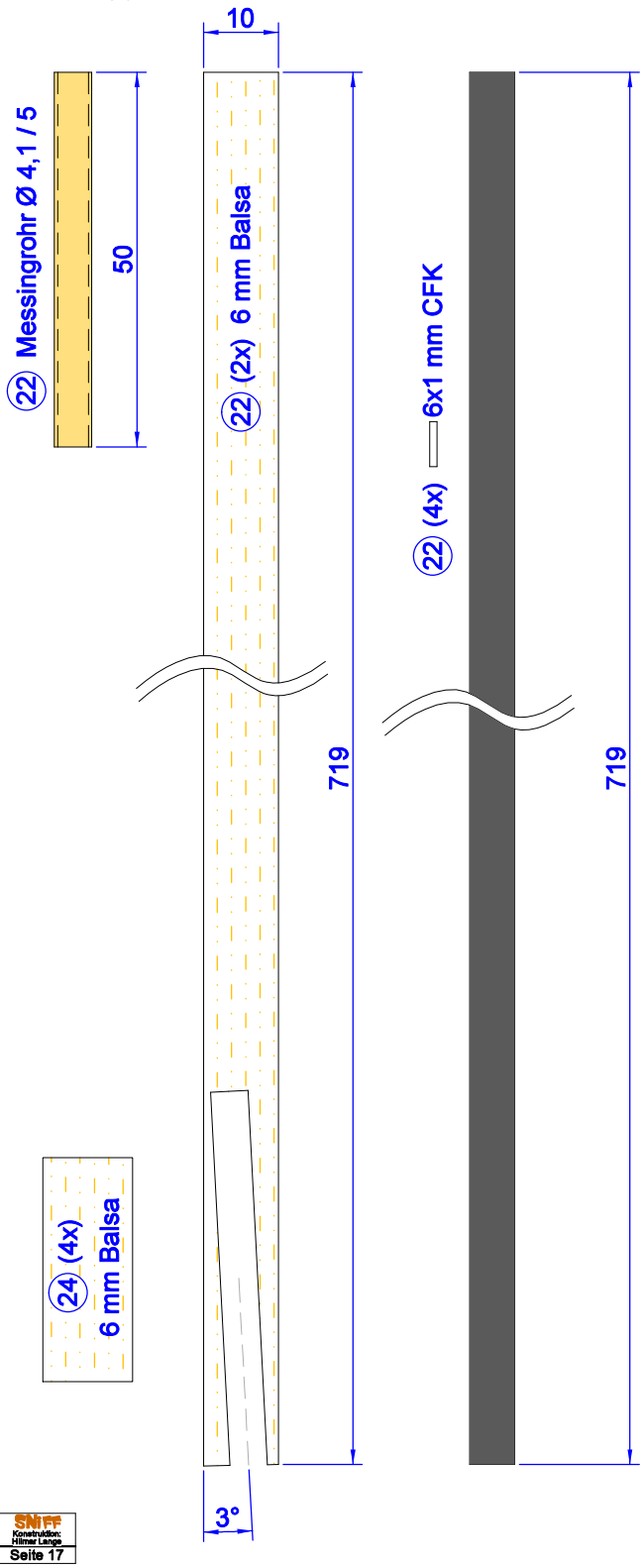


23

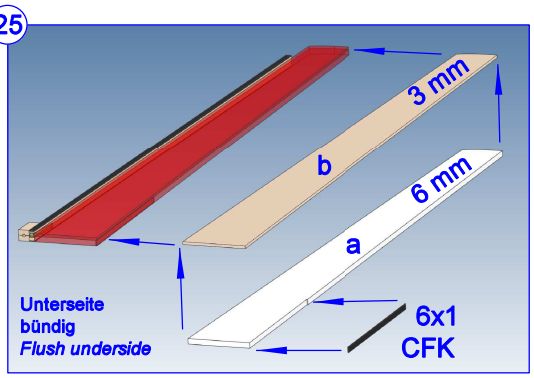


24





25



25 (2x) — 6x1 mm CFK

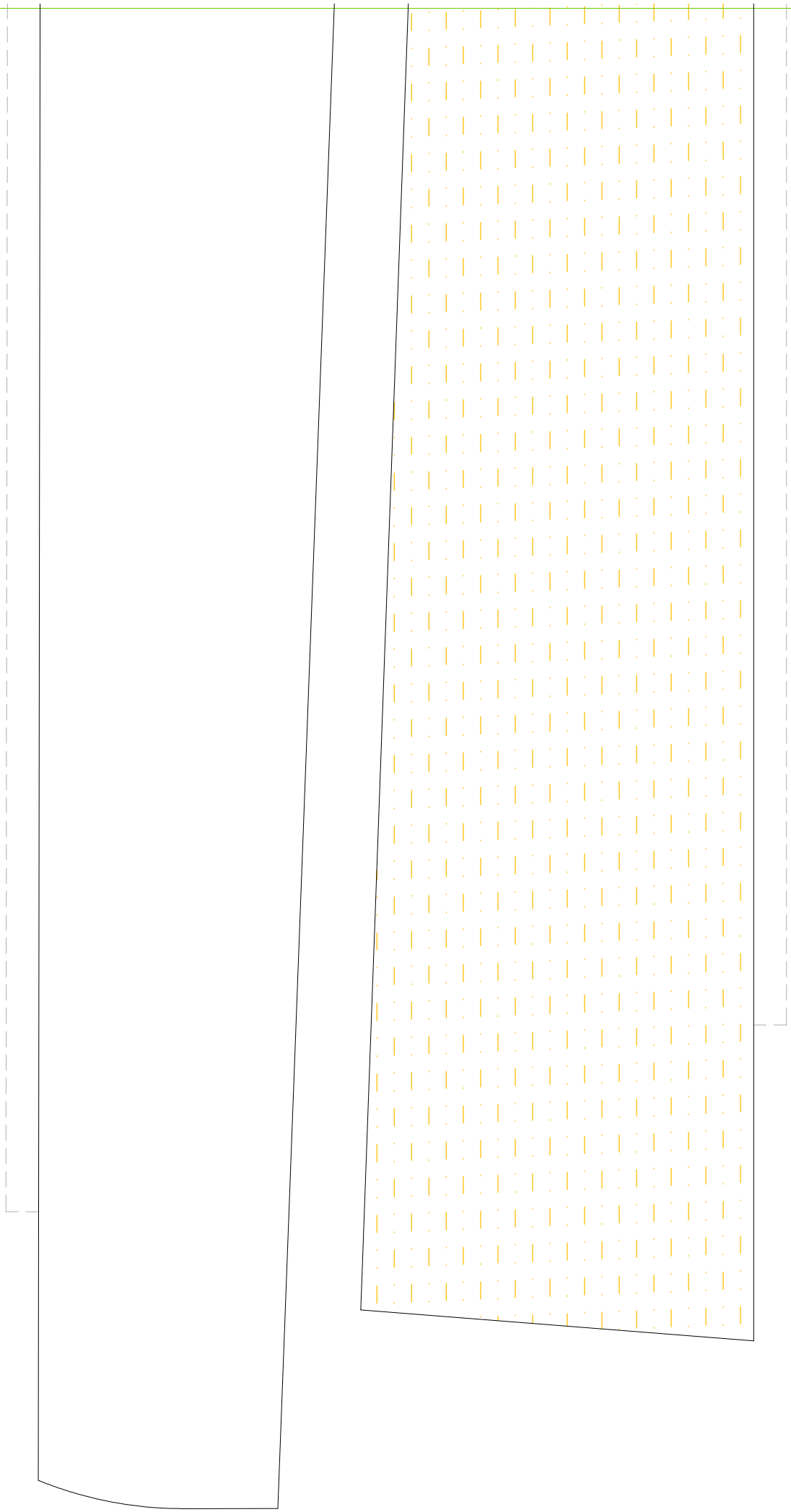
176

25a (2x)
6 mm Depron

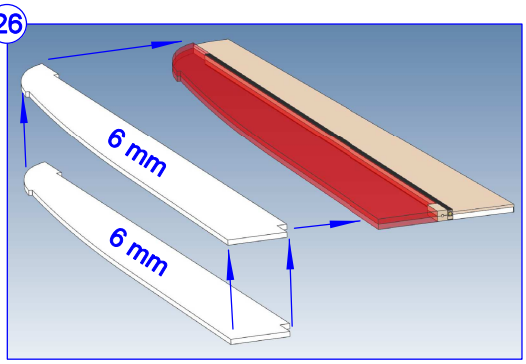
25b (2x)
3 mm Balsa

Seite 18

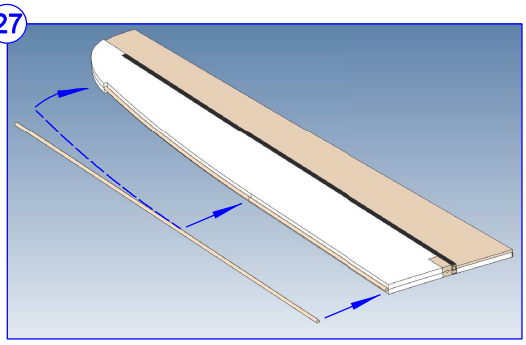
Seite 20

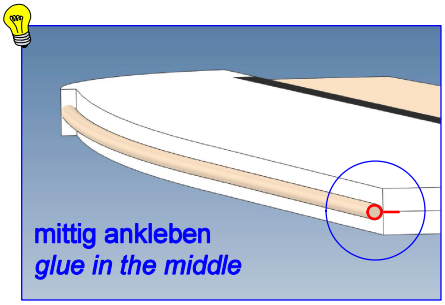


(26)

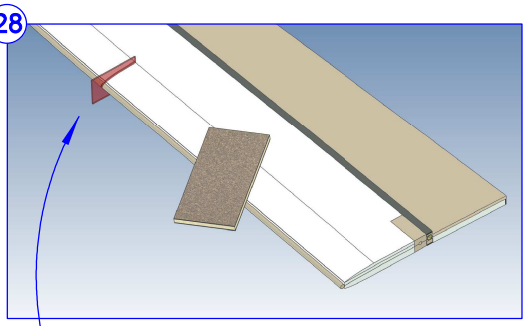


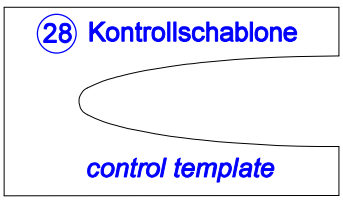
(27)

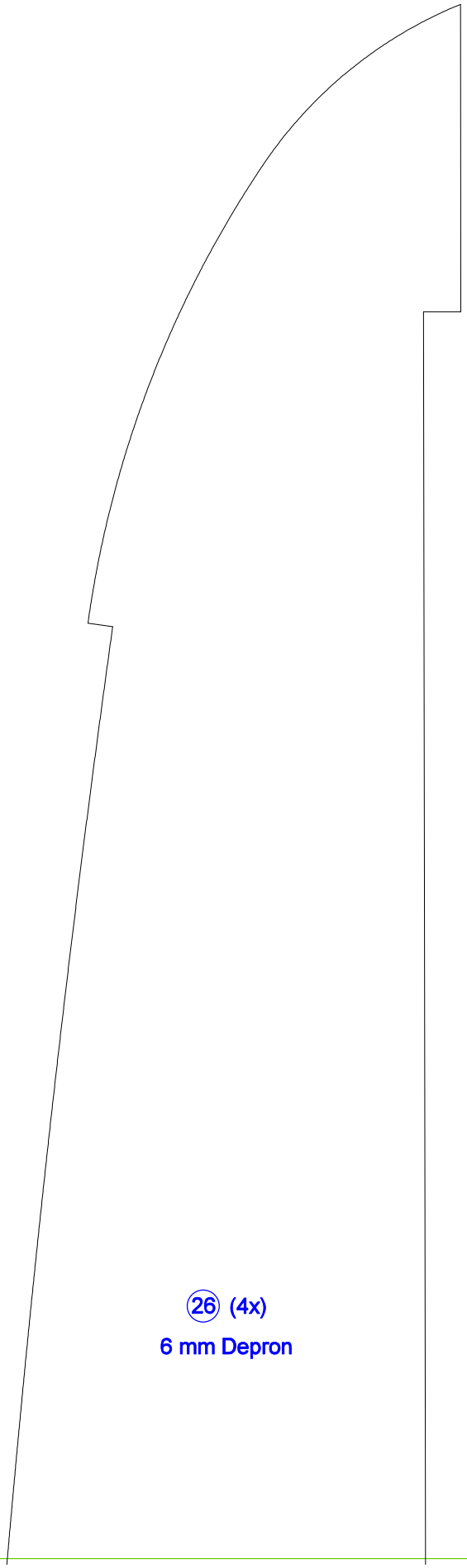




(28)

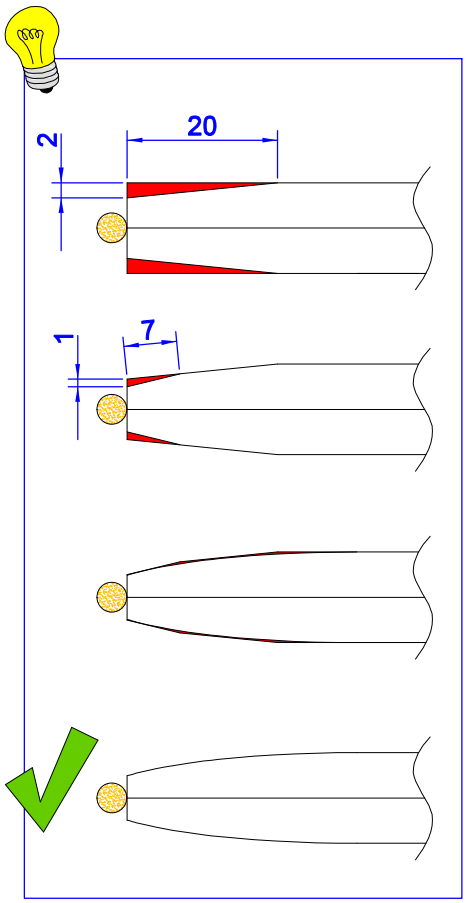


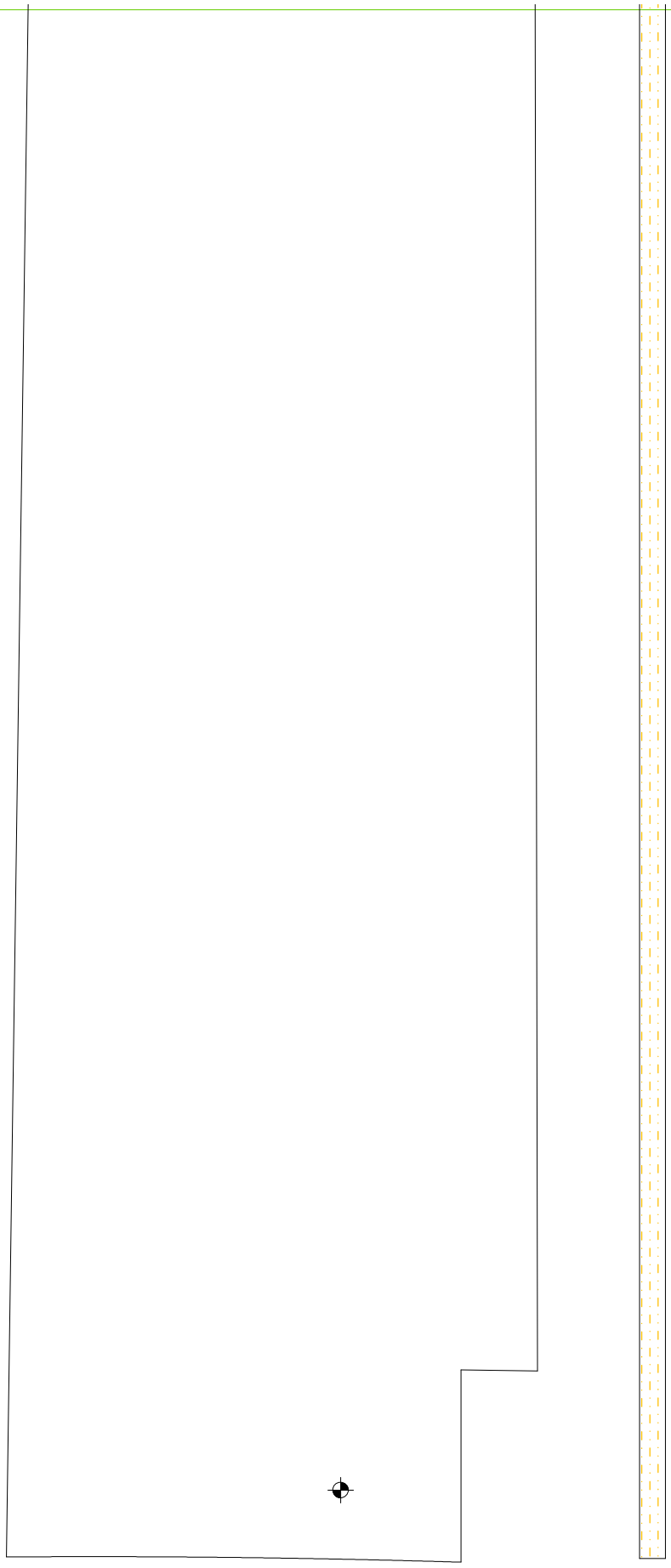




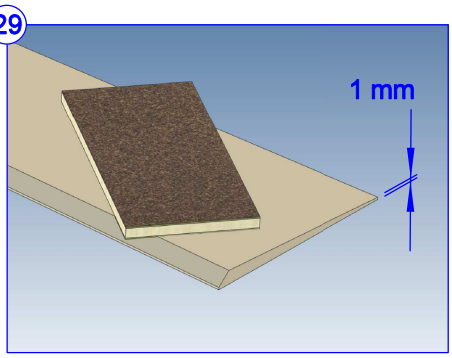
(26) (4x)
6 mm Depron

(16)
Ø 4 mm
Rundholz
(L=668 mm)

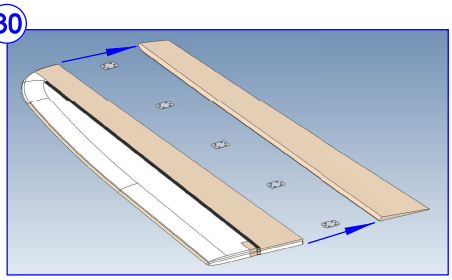

20
2
7
1



29

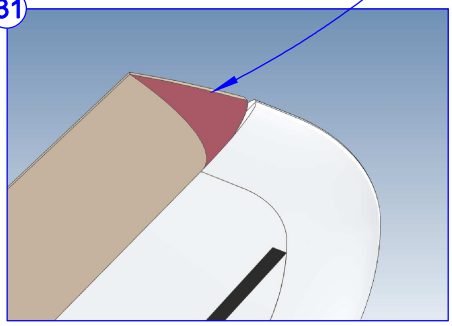


30

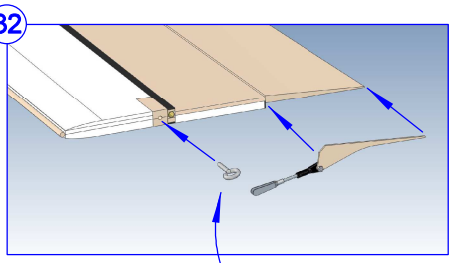


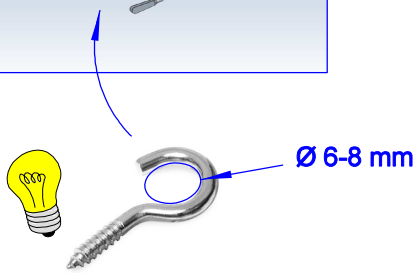
Querruder-Unterseite
angleichen
Adjust aileron underside

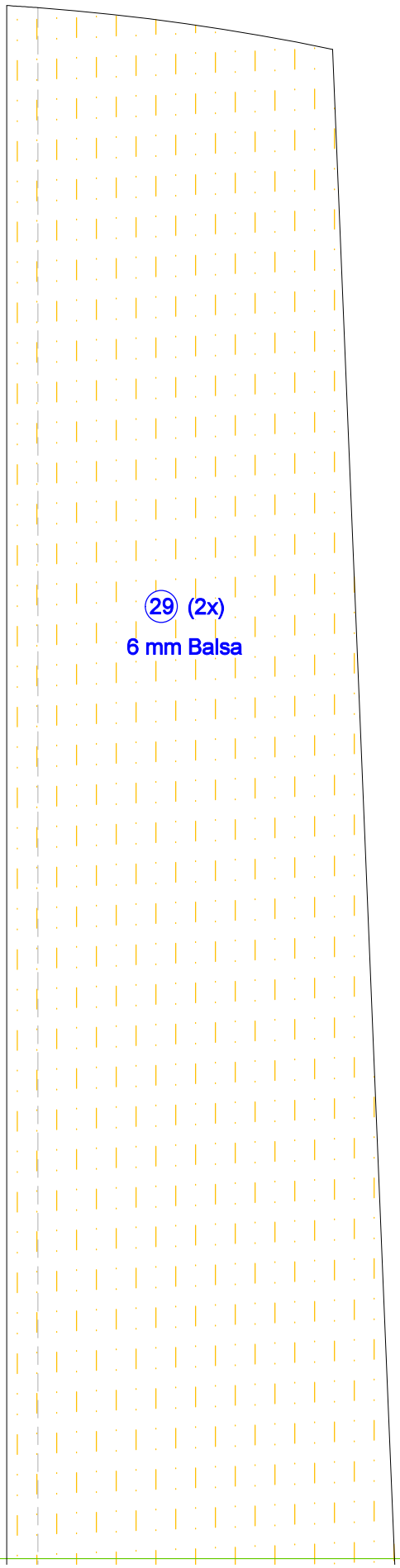
31



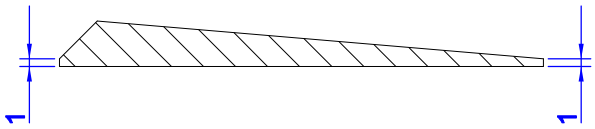
32

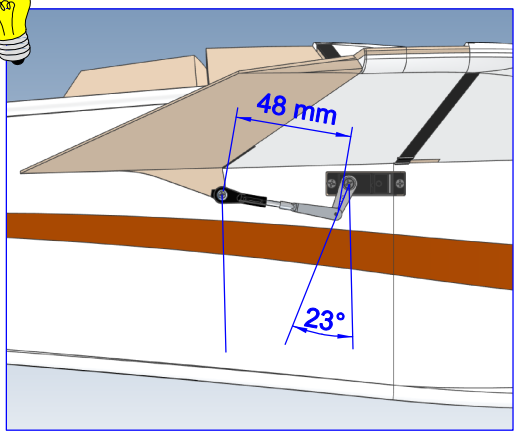




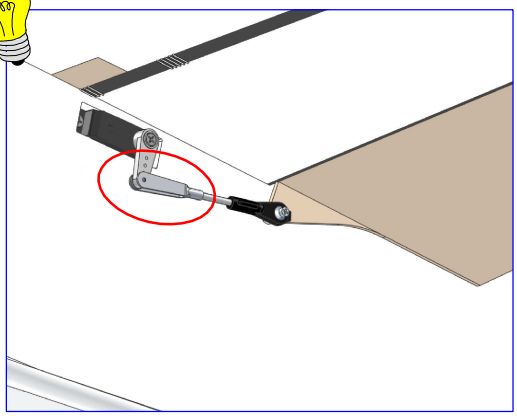


E-E

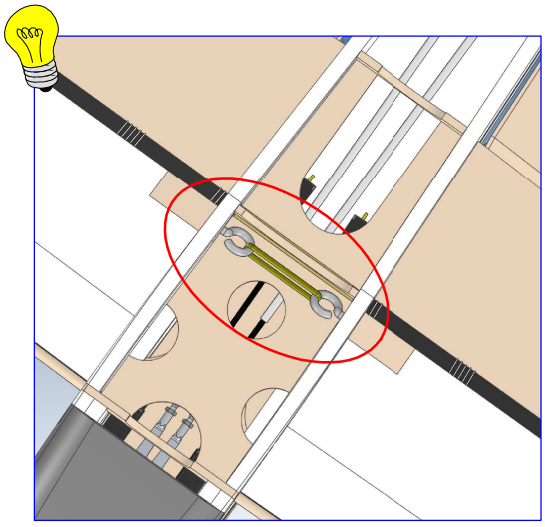




Der Servoarm zeigt nach hinten, um für die Flaps-Funktion einen großen Ausschlag nach unten zu ermöglichen
The servo horn points backwards to allow a large downward deflection (flaps)



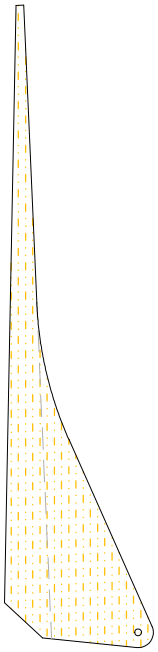
Querruderverbindung abnehmbar gestalten
Make the aileron connection detachable

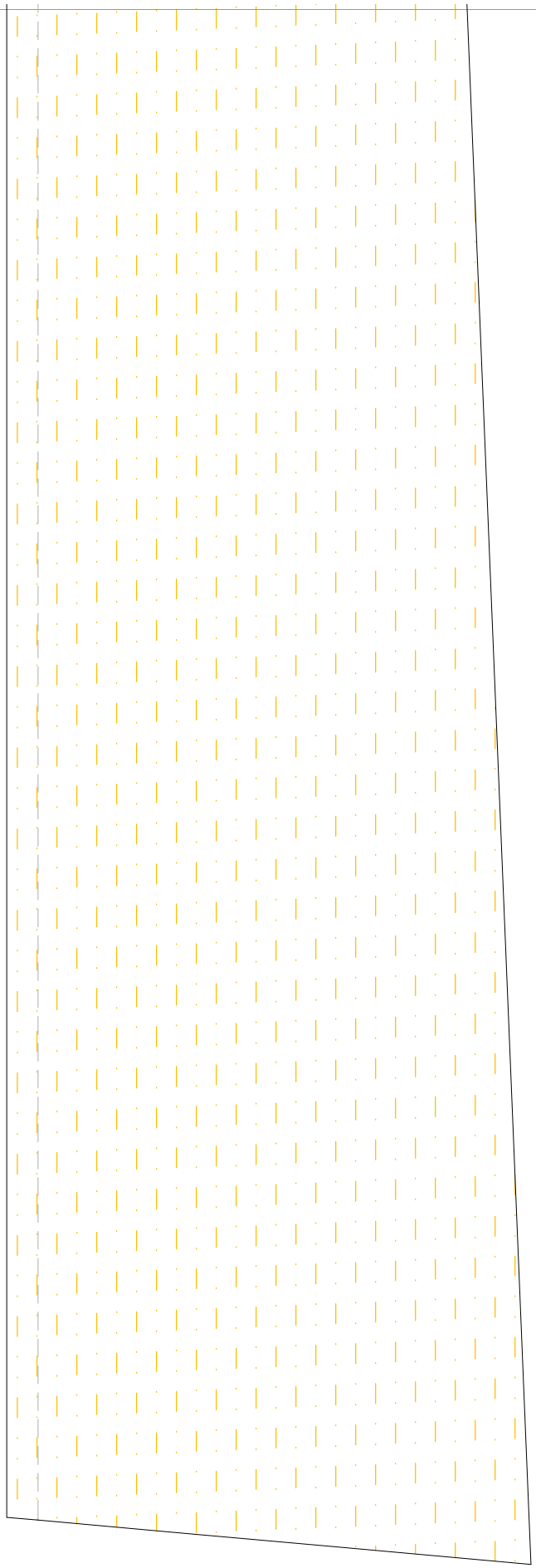


Die Flügel werden mit einem Gummiring zusammengehalten
The wings are held together with a rubber ring

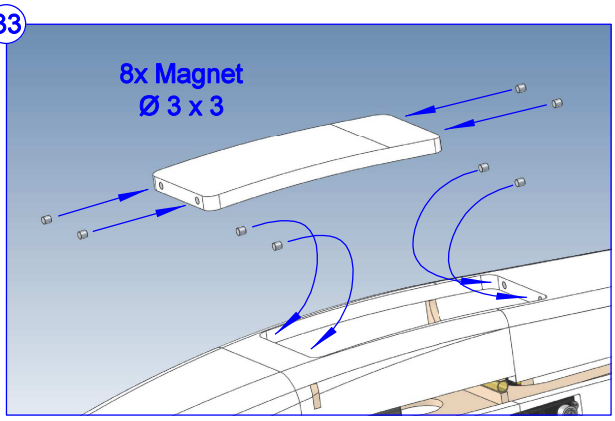
(32) (2x)

1,5 mm
Flugzeugsperrholz

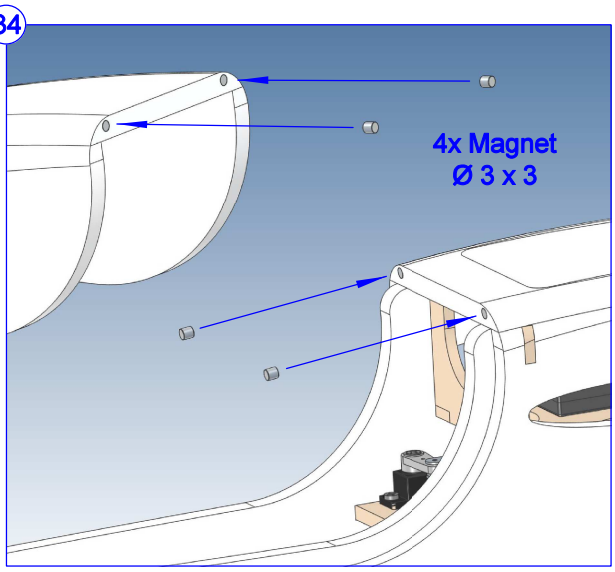




33



34



35