



DOWNLOADPLAN

Kwirl

Autogyro mit gegenläufigen Rotoren

Rotordurchmesser: 52,5 cm

Länge: 56 cm

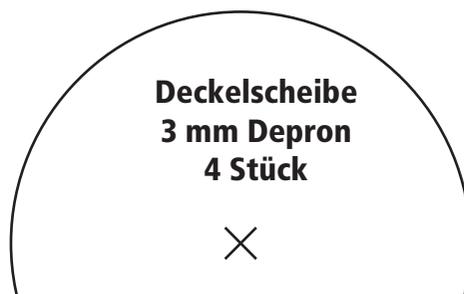
Gewicht: 200 g

Motor: 20 g Außenläufer

Akku: 450-800 mAh

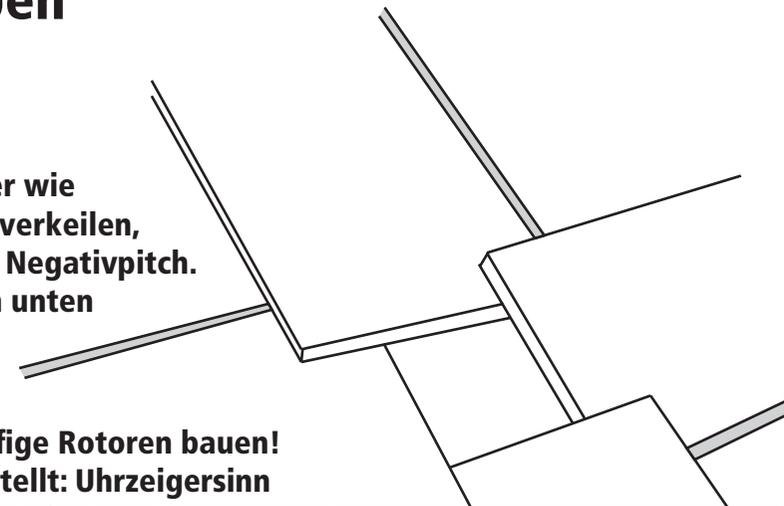
Servos: 2 Stück 4-8 g

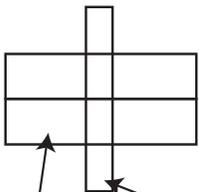
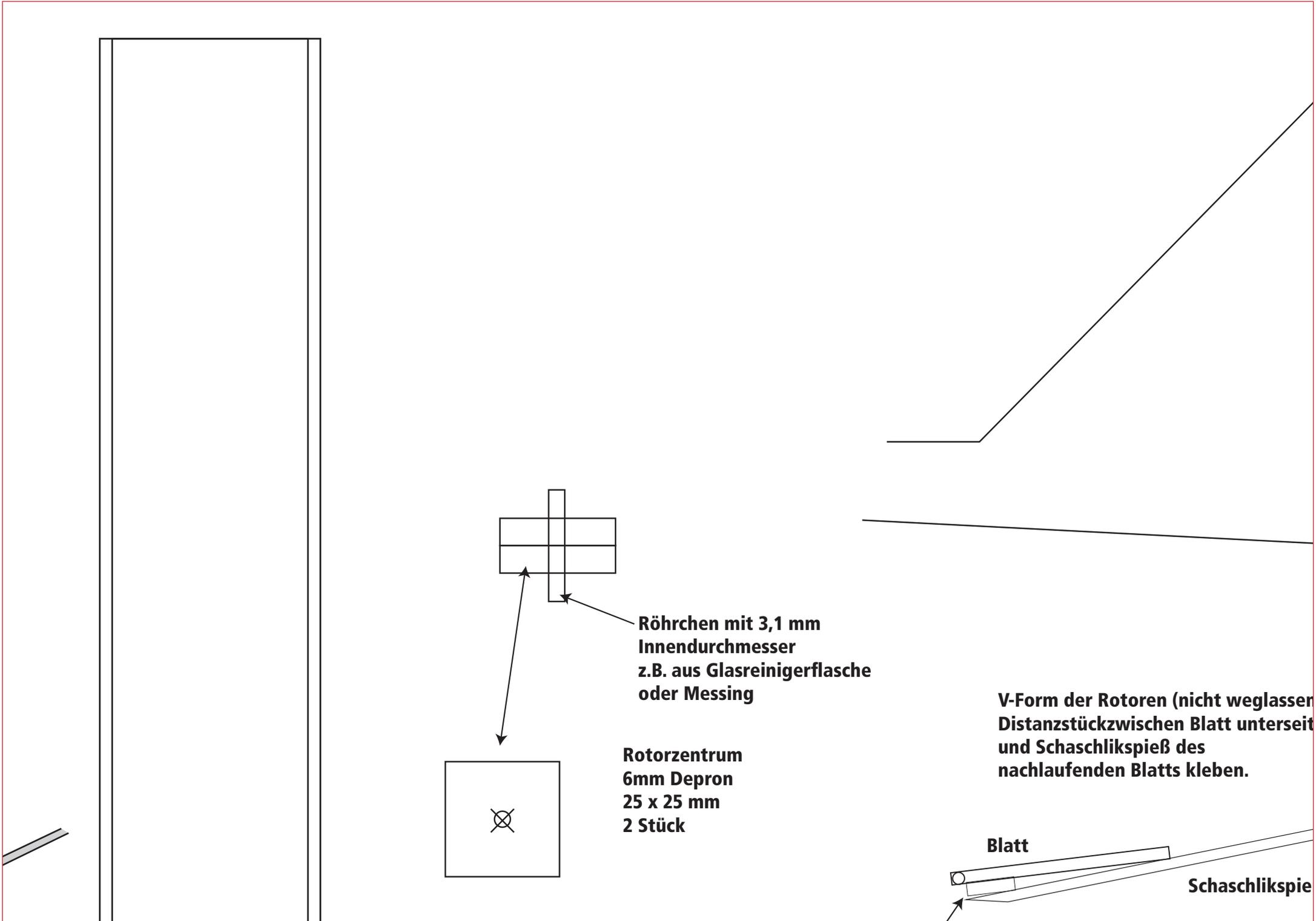
Material: 3 mm Depron, wenn nicht anders angegeben



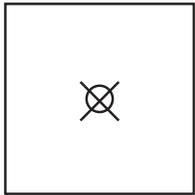
Rotorblätter wie
Dachziegel verkeilen,
so entsteht Negativpitch.
Ansicht von unten

2 gegenläufige Rotoren bauen!
Hier dargestellt: Uhrzeigersinn

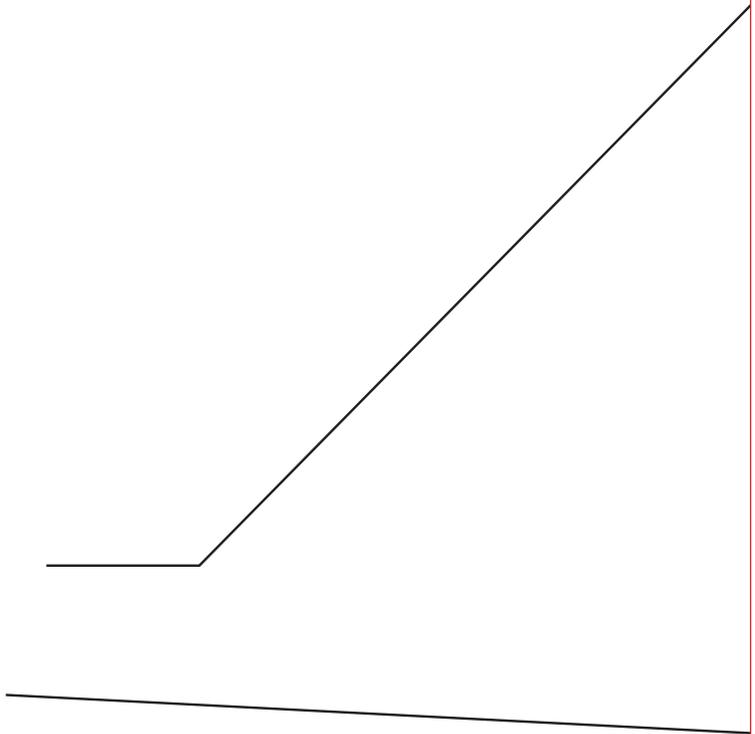




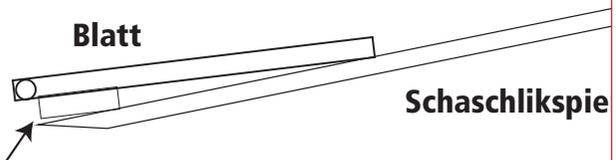
Röhrchen mit 3,1 mm
Innendurchmesser
z.B. aus Glasreinigerflasche
oder Messing



Rotorzentrum
6mm Depron
25 x 25 mm
2 Stück

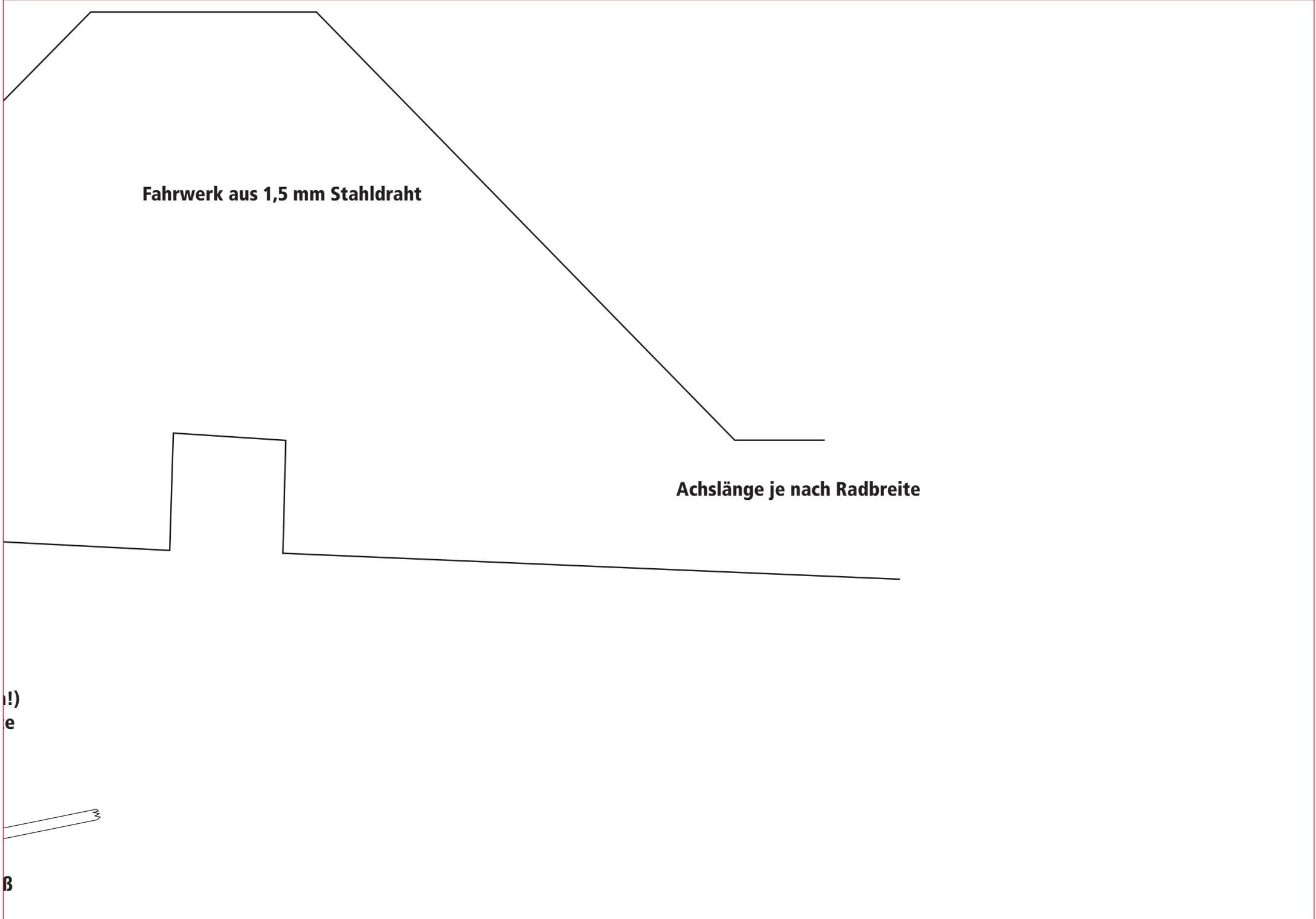


V-Form der Rotoren (nicht weglassen
Distanzstück zwischen Blatt unterseit
und Schaschlikspieß des
nachlaufenden Blatts kleben.



Blatt

Schaschlikspieß



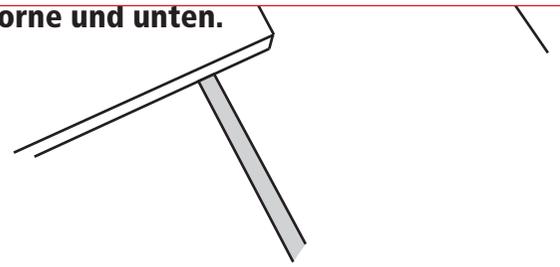
Fahrwerk aus 1,5 mm Stahldraht

Achslänge je nach Radbreite

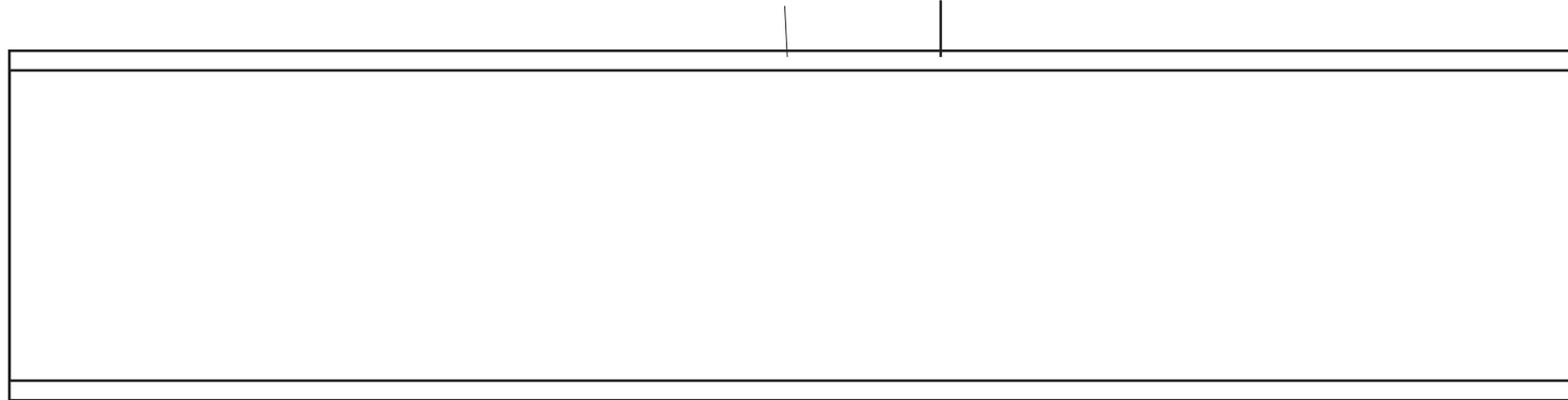
h!)
e

B

Schaschlikspieße jeweils vorne und unten.



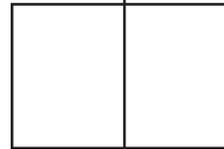
Schaschlikspieß



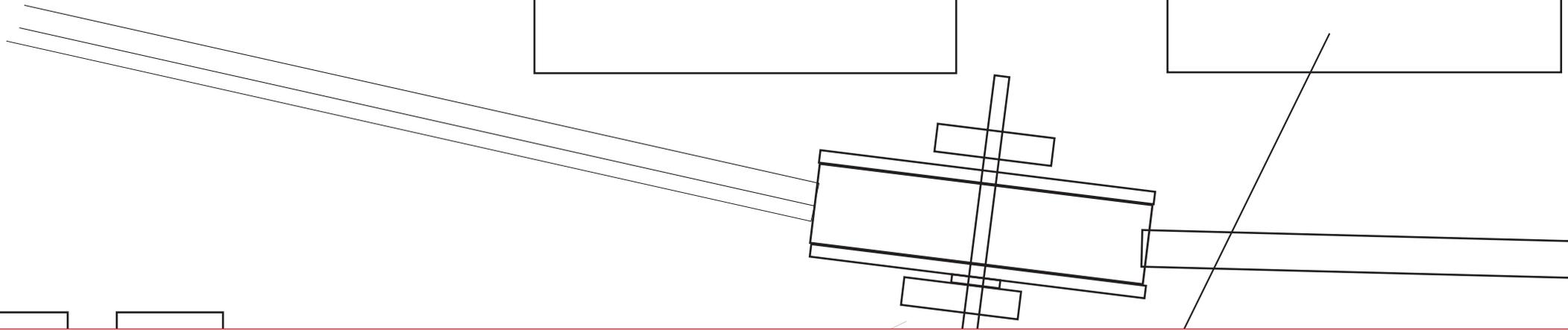
Magnet



Deckel
3mm Depron
50x75 mm



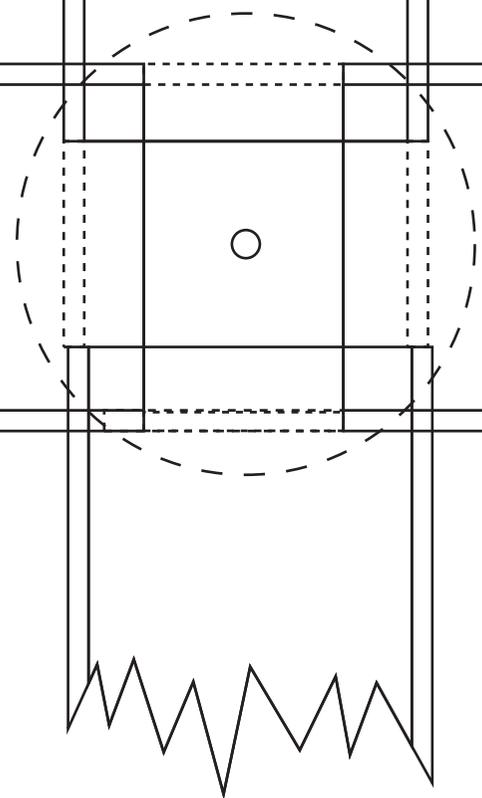
obere Achshalterung
6 mm Depron
44x70 mm



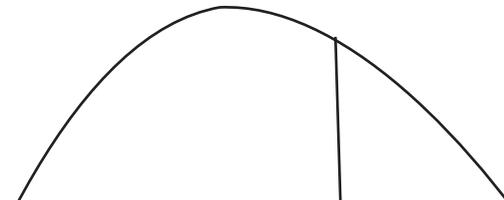
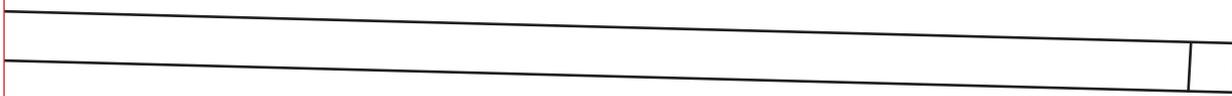
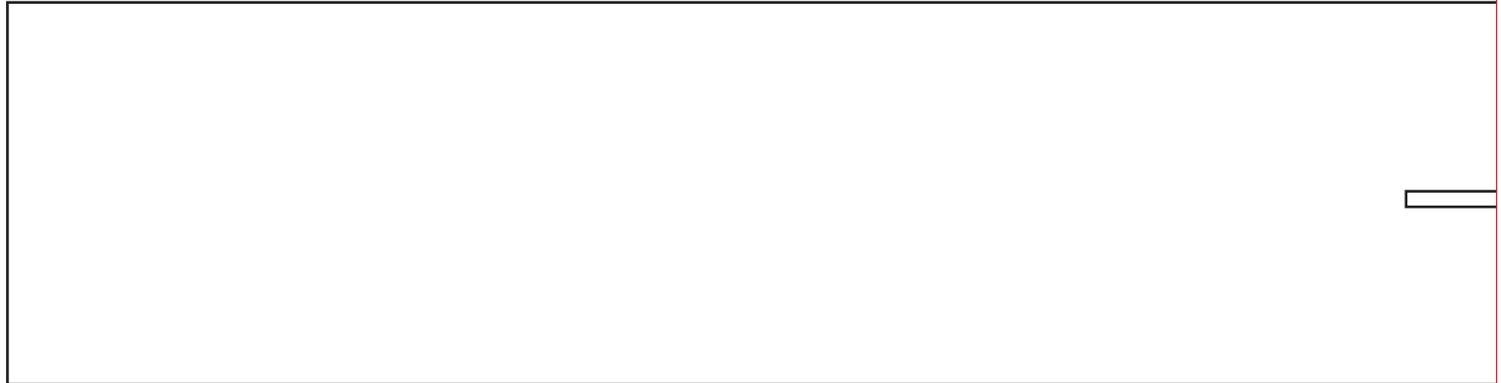
**Jeweils Hinterkante
auf Vorderkante**

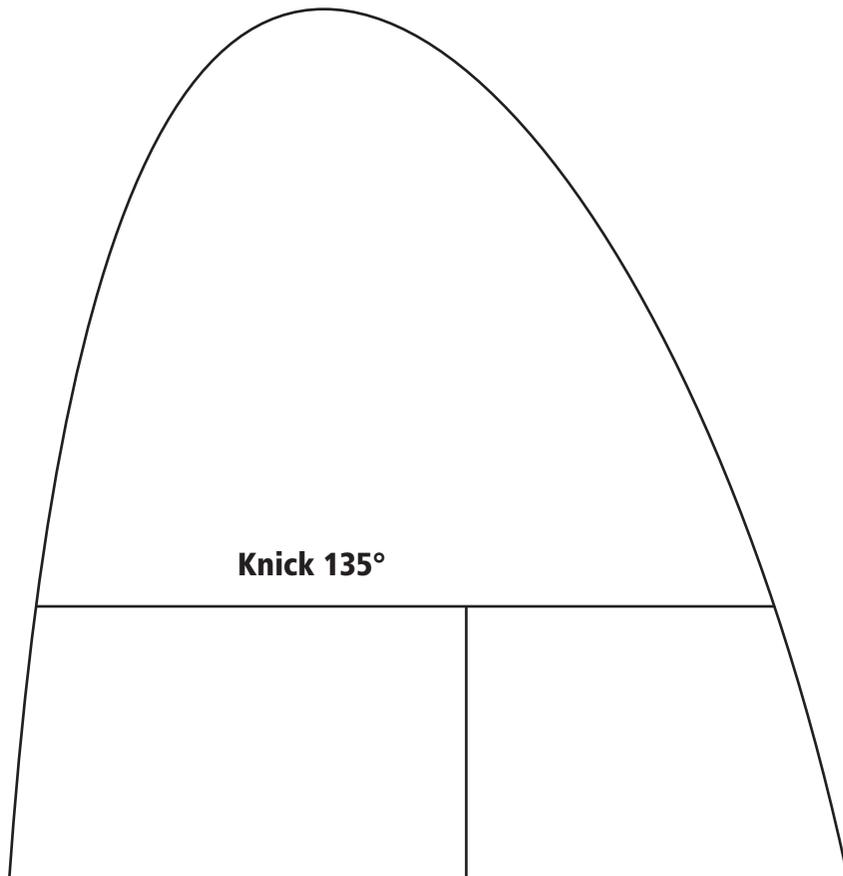
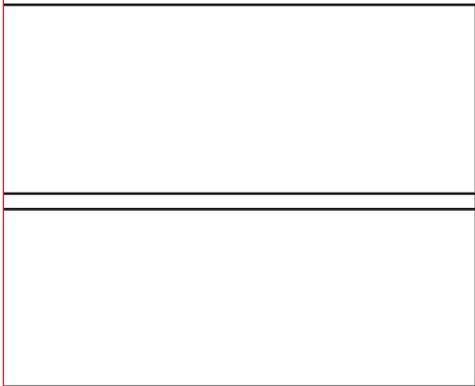
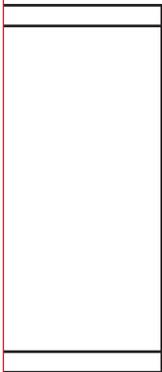


**Distanzstück
3mm Depron
10 x 10 mm
4 Stück**



Schaschlikspieß





**Motorspant
2mm Sperrholz
+ 6 mm Depron
oder 5mm Balsa**

**4 Kunststoff-
korkenscheiben**

**Rotorzentrum vereinfacht
dargestellt s. o.**

Nylon-Unterlegscheiben

**Rotorachse
3 mm CFK**

**Achsstütze
3mm Depron**

**1-2° Sturz
ca. 4° Seitenzug**

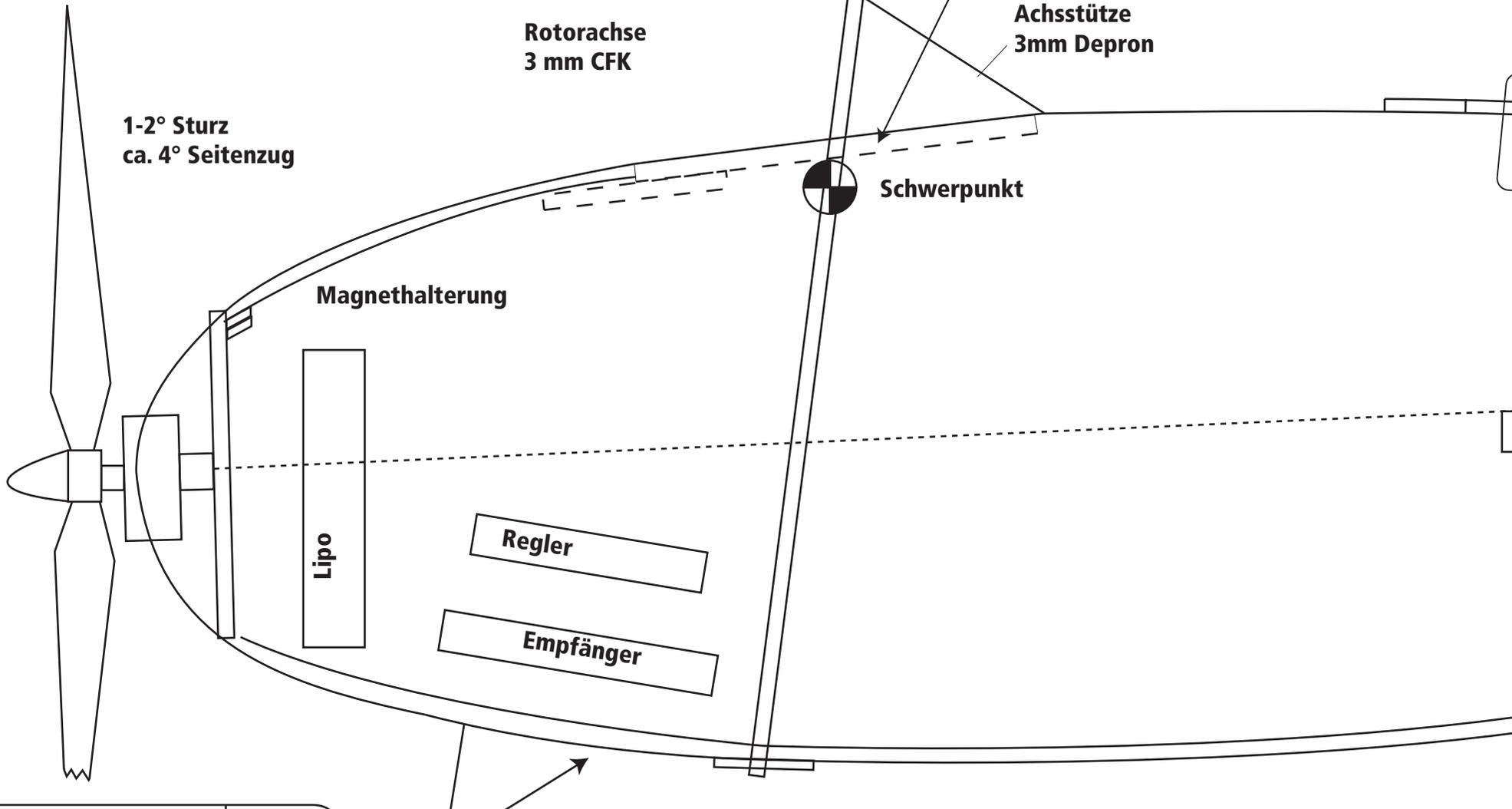
Schwerpunkt

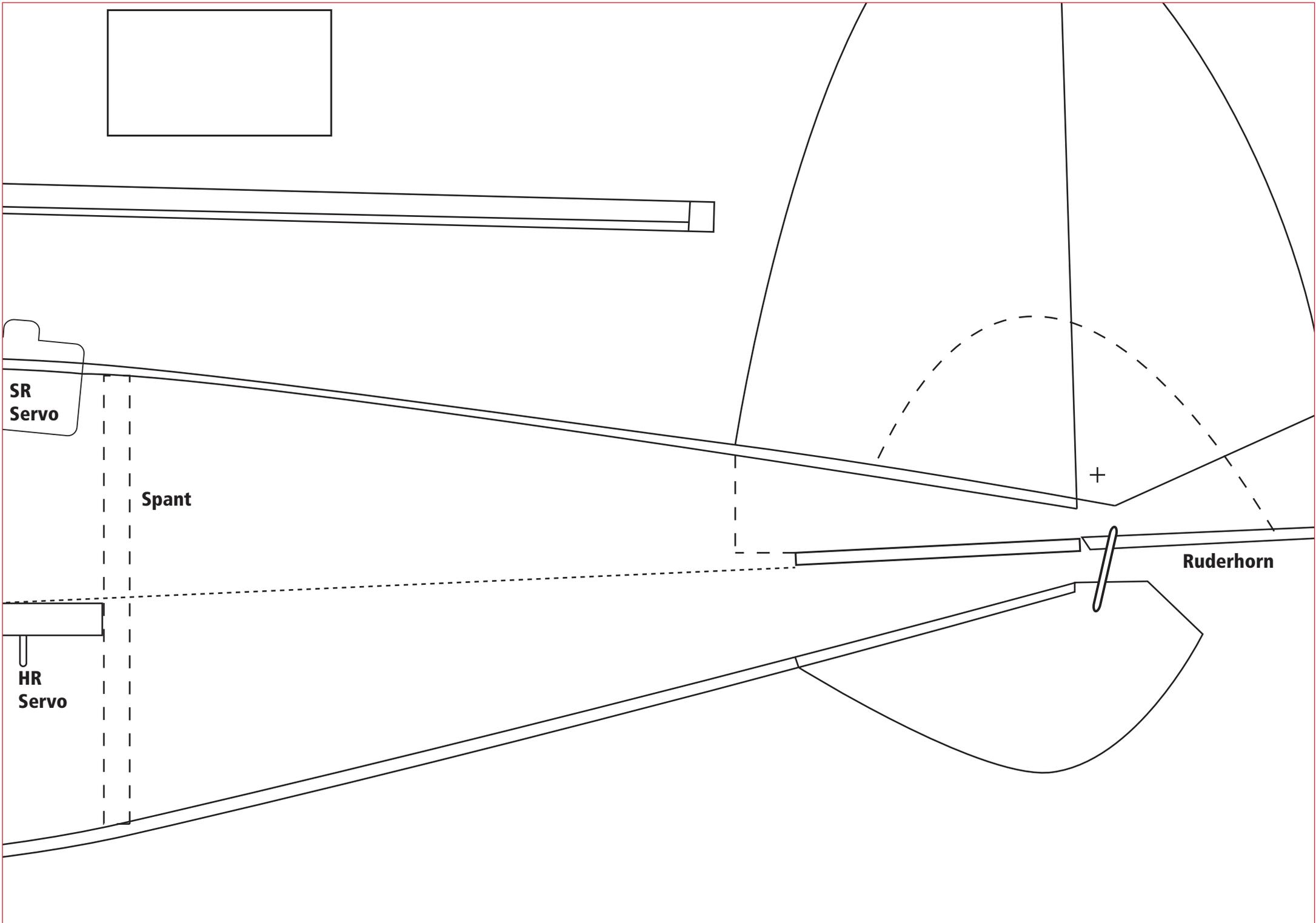
Magnethalterung

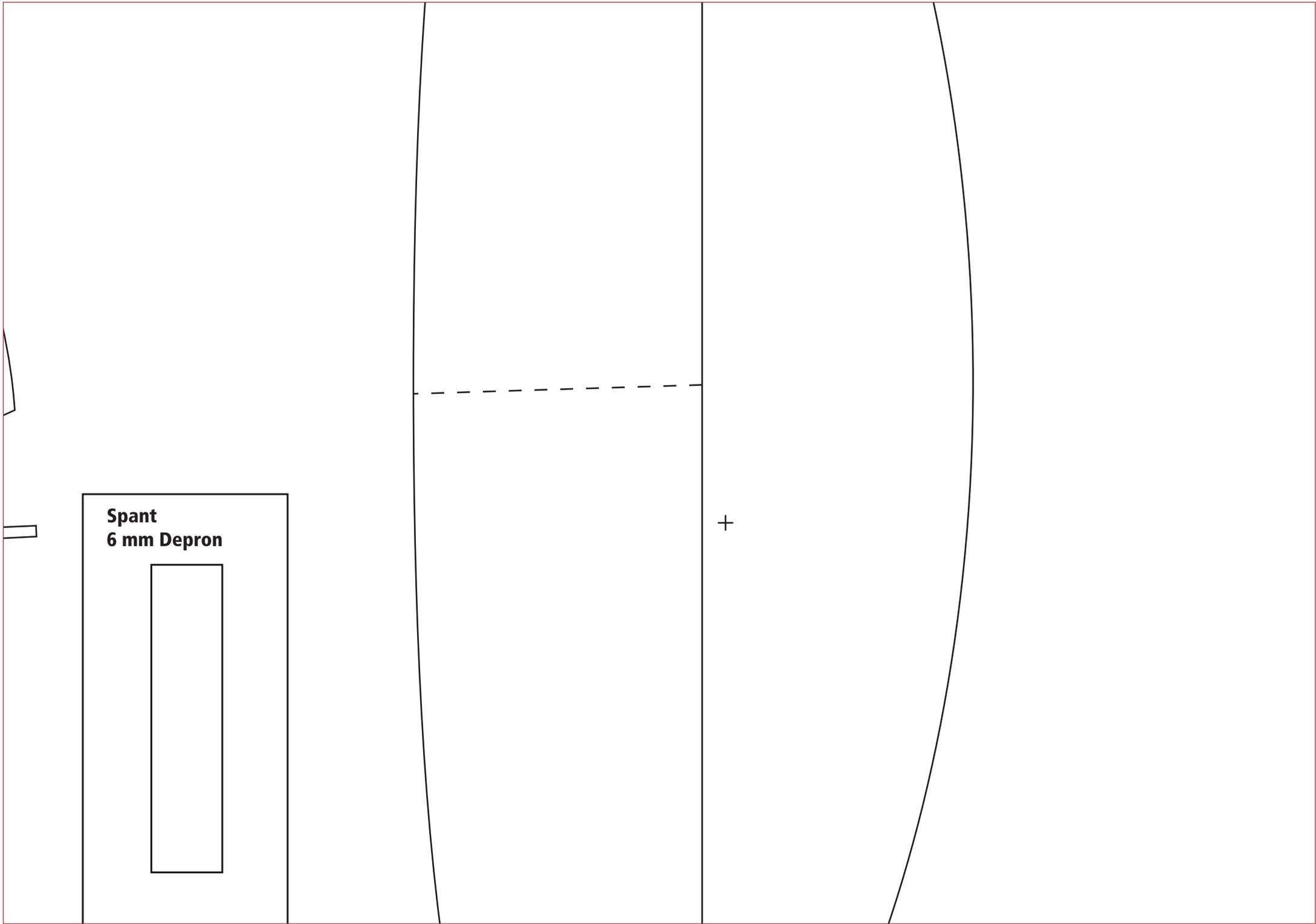
Lipo

Regler

Empfänger





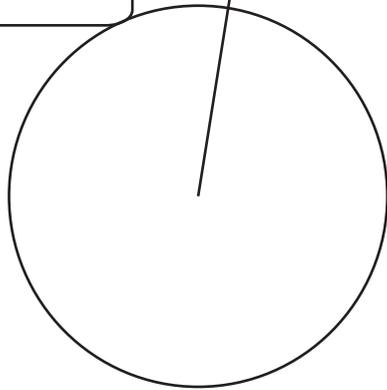


Spant
6 mm Depron

+

**Bodenverstärkung
2 mm Sperrholz**

ansägen und knicken



Rumpfboden 3 mm Depron
50 x 470 mm

Knick 135°

The image shows a technical drawing of a chamfered edge. It features a horizontal line at the top, which is then cut off by two diagonal lines meeting at a point. The angle between these two diagonal lines is labeled as 135 degrees. The text 'Knick 135°' is positioned above the chamfered edge. To the left of the chamfered edge, there is a rectangular shape with a horizontal line extending from its top edge to the left edge of the drawing. Above this horizontal line, there is a small rectangular notch. The entire drawing is enclosed in a thin red border.