

Phantom II

Living room R.O.G.

Wout Moerman, january 2007

A tiny living room flyer, inspired by the visit of Andy Mitas, january 2007, and the famous F-4 Phantom.

Flies 45 seconds after take off from the dining table. Removable landing gear for easier transport or longer flights. Removable wing for trimming and easier transport.

Span: 17 cm

Weight: 0.9 gram (landing gear 0.14 gram)

stripwood: 1 x 1.5 mm balsa

fuselage: 3,5 x 1.5 mm balsa

prop spar, legs, arrestor hook: 1.5 x 1.5 mm balsa

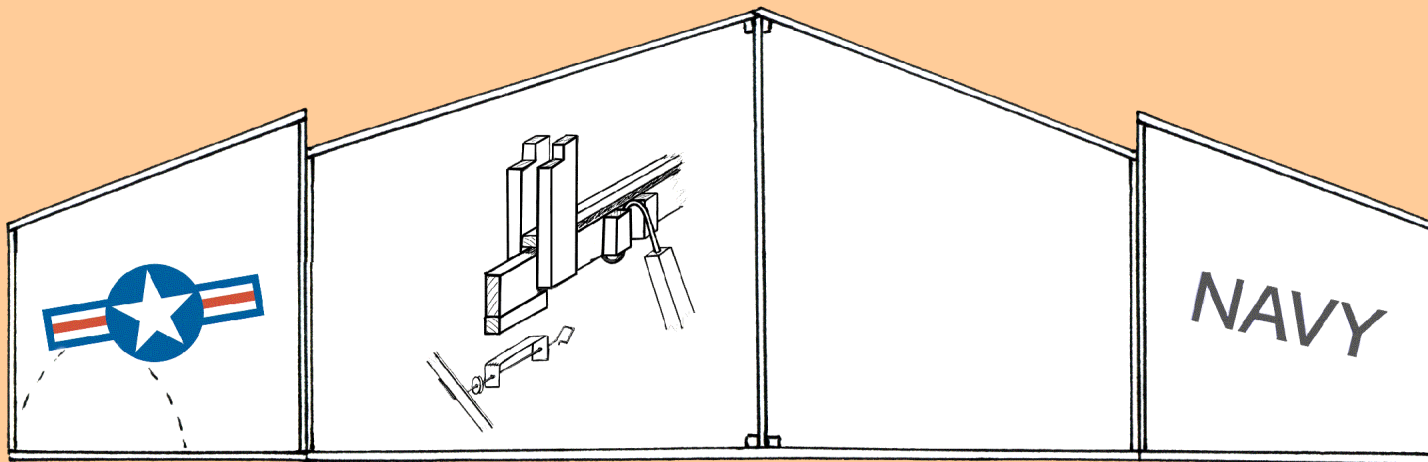
wire parts: 0.4 mm (0.015 guitar string)

propblades: very thin coffeecup

covering: condenser paper (or Esaki tissue, which gives 0.07 g weight gain)

aluminum prop bearing: soda can top

rubber: loop of 0.035" (0.2 gram)



left wing panel is 1 cm bigger than right wing panel

glue wing here

push on wing mount, don't glue!

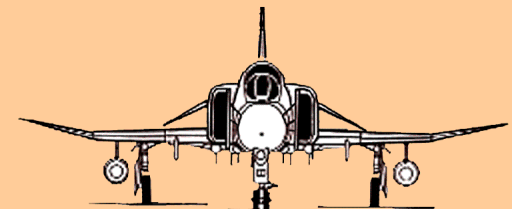
2 pieces of 1.5 x 1.5 mm balsa to secure landing gear position

landing gear clip

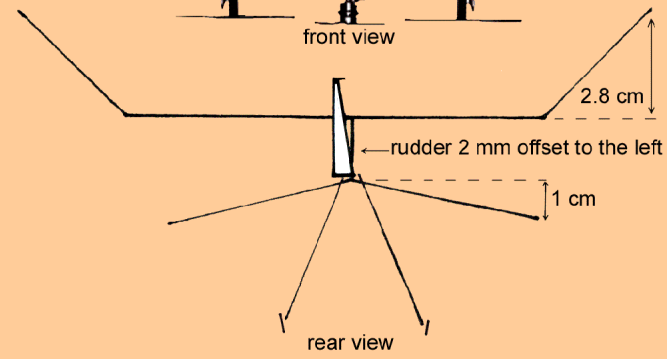
arrestor hook

prop 5" x 8"

balsa wheels



front view



2.8 cm

rudder 2 mm offset to the left

1 cm

rear view