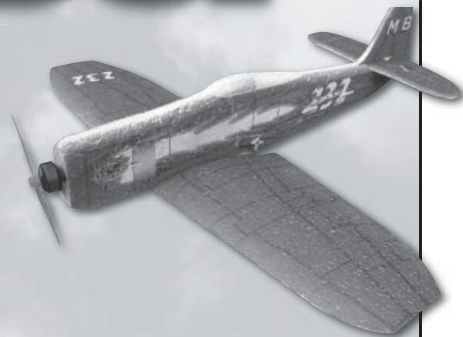




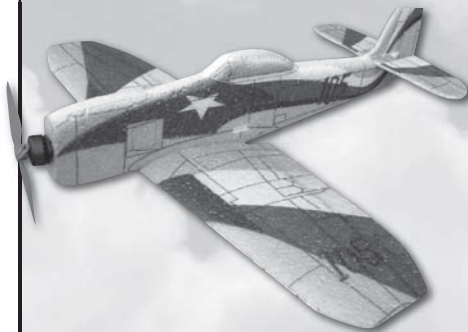
Micro Pylon Racer



Dago Red



**September
Fury**



Spirit of Texas



Voodoo



Miss America

www.freeair.cz

Micro Pylon Racer



Dear customer, congratulations on the purchase of the Micro Pylon Racer (**Dago Red, Miss America, Voodoo, Spirit of Texas or September Fury**) model. To enjoy building and flying the model most, please read carefully the building instructions before you begin and make sure that you understand the building process.

DESCRIPTION OF THE MODEL:

The model is completely made of the expanded polypropylene EPP, and its design is optimised for pylon flying and aerobatics. Its light weight (from 105 grams) makes it an ideal model for flying in any place – e.g. school playing field or in the street. It is designed for not only for the experienced pilots, but the advanced modellers as well in mind. Thanks to its powerplant – we suggest one of our motors e.g. the HCS-40/2-3, and 2 LiPol cells. Thanks to its well thought out design the actual building process would take about 60 minutes.

BUILDING PROCESS:

Unless otherwise stated, all parts are to be glued by the medium-thick or thin CyA glue. Start the building process by gluing the elevator joiner in place (Fig. 1), making sure that it is free to rotate. Now glue the horizontal tail to the fuselage, checking all the time for being perpendicular to the fuselage (Fig. 2). In the same way glue the vertical tail with rudder in place, checking continuously until the glue dries that the control surface hinge is free to rotate (Fig. 3). Ensure especially that the gap between the rudder and the fuselage remains free. Using a sharp knife, cut the slits for the control surface, elevator levers (Figs. 4). Glue the levers using a CyA glue. Install the control surface servos (you may glue them either by their flanges, or, after wrapping the servos in a self-adhesive tape, glue them in place by their body). Use wires to make the control surfaces' control rods (Figs. 5). Now assemble the wings, using a sharp knife, cut the slits for the wings spar (Fig. 6). Install the aileron servo and its control rods (Fig. 7,8). Ready the powerplant (the recommended equipment is the HCS C 40/2E motor, the Jeti 08A controller and the Penta receiver). Sanding the fuselage nose lightly, make a bevel of about 3° angle, to get the same right (starboard) side thrust of the motor. Glue the motor bearer and the holding wire for motor mount parts utilised as the outer reinforcement to the fuselage nose; the rods should be glued with a thin CyA glue (Fig. 9). Cut, using a sharp knife, a slit from the motor bearer to the receiver compartment in the fuselage (Fig. 10). Cut an opening for the controller, taking care to prevent the fuselage from opening too much. Connect the receiver with the servos and glue the wing to the fuselage (Fig. 11). Now attach the propeller and insert the battery pack (LiPol 640 mAh) into the opening in the fuselage. If you use other type of battery pack, modify the opening, using the hot knife or solder gun to cut the EPP. The centre of gravity (CG) of the model is 40 mm to the rear of the wing leading edge. Set the control surface displacement – the elevator should have ± 10 mm and the ailerons ± 12 mm, for pylon racing the elevator deflection should be ± 5 mm. The more experienced pilots must not to limit the deflections. When hand-launched, it flies straight and level, with no tendency to swing or turn/roll.

This model is no toy – avoid therefore flying in crowded or similar places where health or property not only of yourselves, but also of third persons could be jeopardised.

Many happy landings wishes FreeAir.

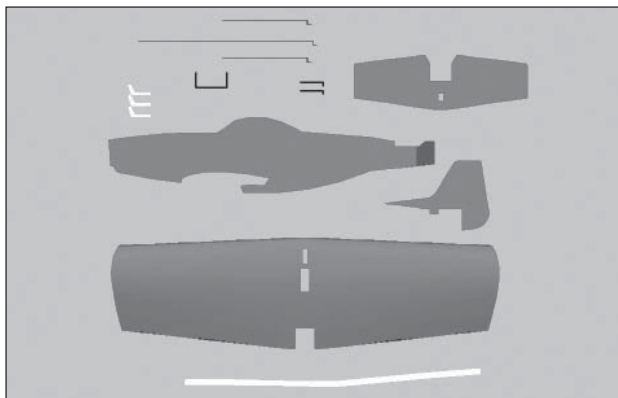
PARTS LIST

Part name	Pcs	Part name	Pcs
Fuselage of EPP	1	Wing spar	1
Elevator control rod	1	Holding wire for motor mount	2
Wing of EPP	1	Control surface lever	3
Horizontal tail of EPP	1	Instructions	1
Vertical tail of EPP	1	Elevator joiner	1
Aileron control rod	2		

You will need the following tools and materials:

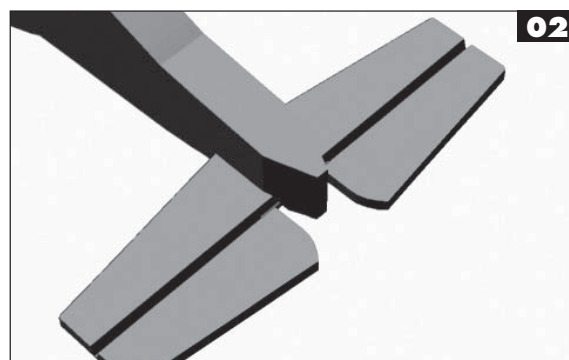
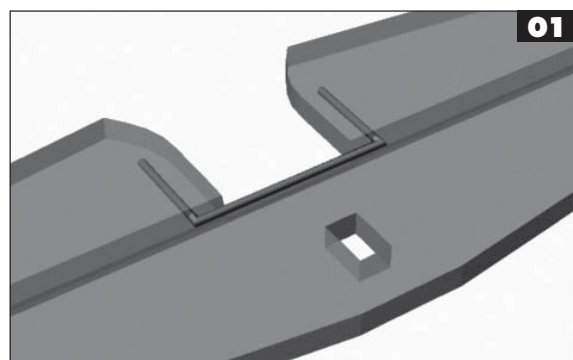
CyA glue, CyA glue accelerator, a sharp (modelling) knife.

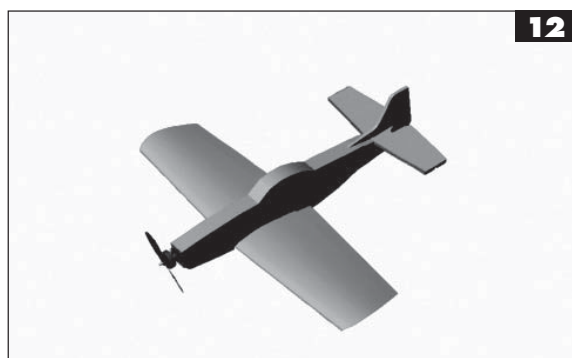
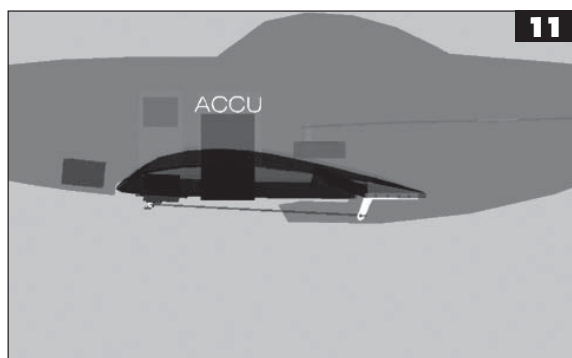
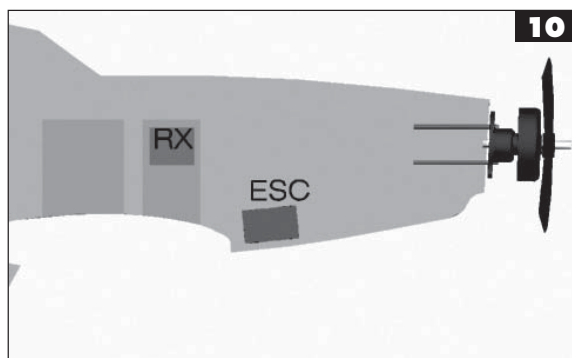
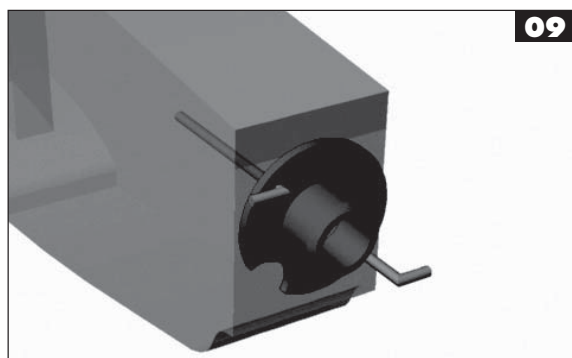
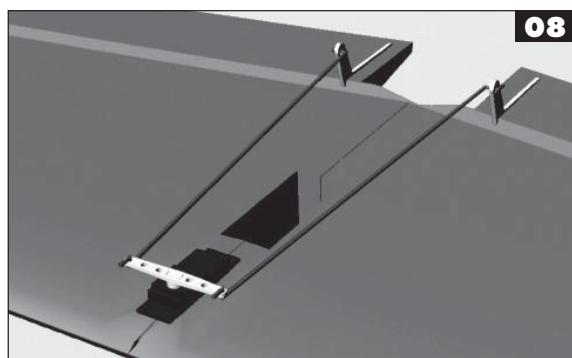
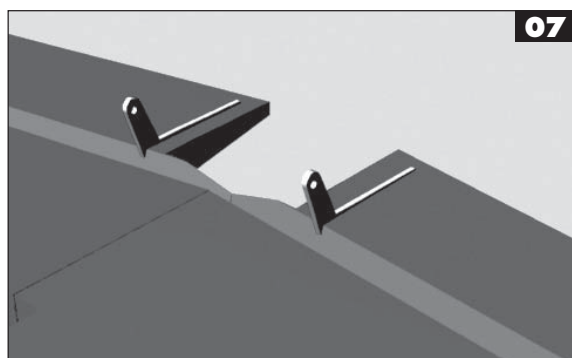
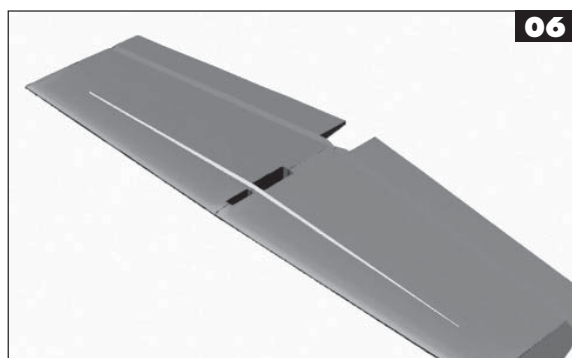
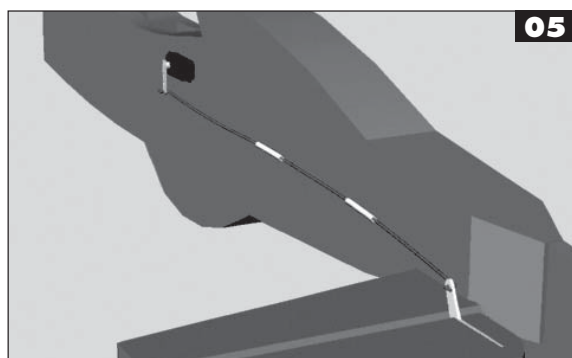
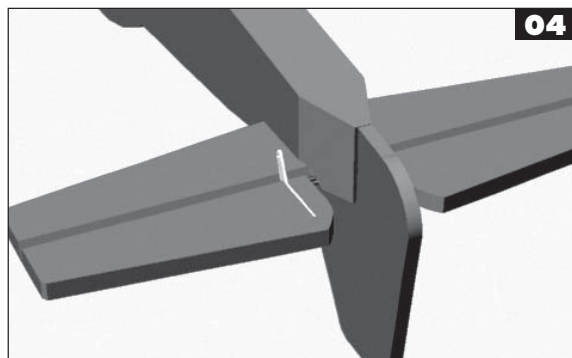
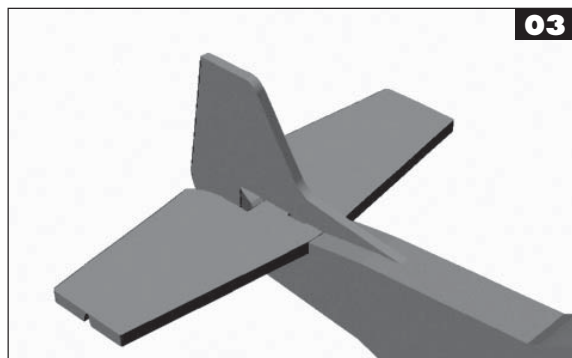
To complete the model you need the following: a receiver (MZK), two servos (Waypoint W-060 or W-038), AC controller (TMM 0810-3 or Jeti 08), a battery pack (2 or 3 LiPol cells of 400 mAh, a HCS-40/2-3 or similar motor of about 40 W output)



Tested configuration

HCS C 40W/2	prop	4,5/4	2x Lipol 400mAh competition flying optimal flying 4.5Amps.
HCS C 40W/2	prop	5/3	2x Lipol 400mAh optimal flying 5.6Amps.
HCS C 40W/2	prop.	4,5/4	3x Lipol 400mAh very fast outdoor flying 7Amps.
HCS C 40W/2	prop.	125/110	2x Lipol 400mAh fast optimal flying 6.8 Amps
HCS C 40W/2	prop	125/110	3x Lipol 400mAh hardcore fast flying (Pylon Racing) 9.5 Amps
HCS C 40W/2-3	prop	4,5/4	2-3x Lipol 400mAh optimal flying





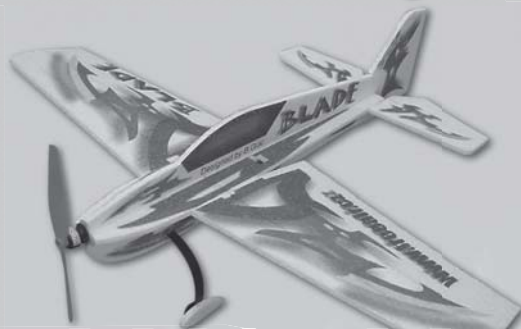
FREE AIR



Alca



B-25 Mitchell



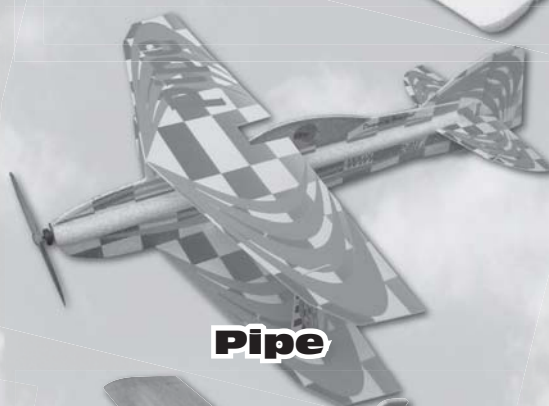
Blade/MicroBlade



Blast



Bad John



Pipe



Easy



HE 162



Jerry



Horten

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