Horizontal Fuselage Pattern

Motor

ESC

Battery

Battery position to suit C of G

Suggested position of aileron servo

C of G range is from carbon tube position to 2 cm in front of it

Slot 40 cm x 0.5 cm for 0.5 cm dia. carbon tube

Bevel underside of both ailerons 45°

Suggested position of elevator servo

All material used is 5 mm Depron. If other thicknesses are used, slots in horizontal fuselage part should be adjusted accordingly. Same for wing slot in upper fuselage part.

Stabiliser and fin may be cut separately, if required

Motor

ESC

Battery

Vertical Fuselage Pattern

Wing Pattern

Project Holidep 280 is a further development of the IMA Holiday 280. This plan is intended to be a guide to building a number of versions, many variations are possible: made of 5 or 6 mm depron® the Holidep 280 is sturdy enough to be powered in the 100 Watt (or plus) range, the other end of the scale being an all 3mm depron® version setup with a motor in the 20-30 Watt range. Instead of the flat -plate profile one of the Kline-Fogleman profiles could be used.

Project Holidep 280

Material: 5 mm Depron®
Power: From CD-Rommotor 14turn 0.4 mm or equivalent to 150 W brushless
Propeller: Gunther 125 x 110 for CD-Rom motor; propeller to suit larger motors
Recommended RTF Weight: 100 - 200 grams

Design and Drawing: Willem Bravenboer
Depron® 5 MM used on prototype

Copyright 2008 Willem Bravenboer

REVISION V 1.1 2008-07-28