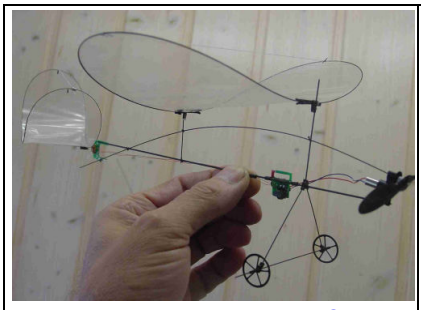
Ultralight pieces for 3-10g planes



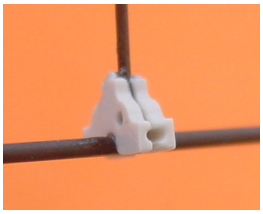
www.didel.com/FlyBus.MPG

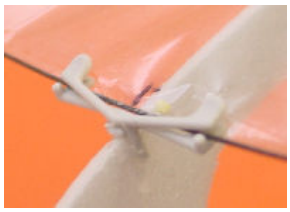
An ultralight plane that flies slowly and allows for proximity flying in the home environment can only be built with carbon rods and mylar film, in order to get a very low wing loading. Remember the lower the wing loading, the slower the flight speed. In order to facilitate construction, Didel has developped a set of ultralightplastic pieces

www.didel.com/microCelineVideos.html

T-shaped pieces facilitate the assembly of perpendicular rods of 0.7-1mm. The 60 degree pieces are good for landing gears.

The elastic wing pieces position the wing without adding weight on the wing ring.



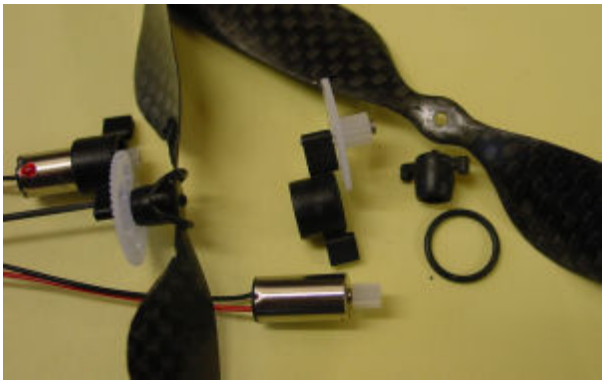


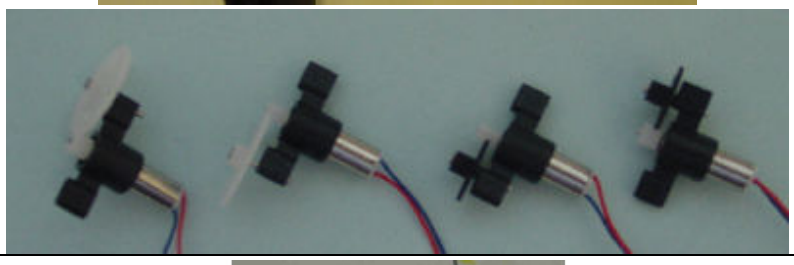
The 6mm gearbox has a propeller-save connector. The 5.3 ratio gives ut to 15g thrust with a Mk06-4.5, for a weight of less than 3grams .

Tricky spacing of holes allows for 4 gear factors. Fixture to the fuselage with down or side thrust is easy to imagine and test.

The 4mm gearbox uses mod 0.2 gears and allows 4 ratios:

12-40 ratio 3.33
9-40 ratio 4.44
12-60 ratio 5
9-60 ratio 6.66
Selection depends on the propeller.





The Polybird magnetic actuator has been specially developped for a one-piece ultralight rudder-stabilisator. Wires are easy to solder with the new PCB option.

For the receiver, Didel promotes infrared, cheap, light and good for home flying. Several receivers and transmitters, plus the Servir adapters to a radio receiver are available.