

Quasy Tandem F1R de Manuel Angel Diaz

Since the first flight test, the behavior of QuasyTamdem has been very good. Under a roof 8 m the plane is able to do 17 min. without problems and with some adjustment time can be increased significantly. In general the model is very robust and the behavior in the early flight is suitable despite the high torque of the rubber in these early stages. I chose the microfilm coating in order to save some weight in the covering to increase wood sections in order to gain in stiffness.

The coating of the propeller, on the contrary, is Y2K2. This makes it a bit more robust in order to avoid damages when it touches the ground for example.

The rubber torque remains high enough throughout the flight which, combined with propeller pitch change, makes the model maintains a trend flight right all the time climbing gently up to the ceiling and down in the last engine turns. The motor-stick allows higher caliber gums which probably would increase flight times.

The V.P mechanism has the spars on the front. This system is the one I like because although the length of the drive pins are greater, the carbon drive arm is closer to the hub of the propeller and therefore the top stop arm are shorter. Besides longer arms, carbon drive arm and pins, makes the mechanism more "manageable" and therefore easier to handle and adjust. Furthermore small clearances between elements have minor importance being more accurate in its operation.

A combination that includes a larger section of rubber accompanied by an adjustment in the variable pitch mechanism to reduce the rate of rise will probably increase flight times.



L'hélice à pas variable sensiblement à l'échelle 2.

