

**With a correct installation the Fenestron will work first time**

**Basically**

The essential Fenestron speed depends on the all up weight of the model.  
 For a model weight of approx. 7 kg a Fenestron speed of 6 500 - 7 000 rpm is required.  
 For a model weight of approx. 12 kg a Fenestron speed of 8 500 - 9 000 rpm is required.  
 A higher rotation speed is not necessary when using the correct settings and the installation of recommended components. Higher speed demands needless power from the engine and increases component wear.  
 The max. permitted Fenestron speed comes within the limit of 9 000 rpm. You may not use a mechanics with driven tail rotor during auto-rotation.

**Servos**

For control you should use Graupner DS 8231, C 4421 or Futaba 9206 servos with reinforced servo arms. The pushrod should be connected at 15 - 17 mm distance out from the centre of the servo arm. At the Fenestron the outer hole of the bellcrank is used exclusively.

**Gyro**

Before any "High-Tech-Gyro and Servos" are used in trial runs (subsequently commented that the Fenestron is inoperable), you first should satisfy yourself that the Fenestron is working faultless with a simple Robbe G-300 or Graupner NEJ-120 BB ECO!

**Linkage**

Connected in direct straight assembly between the linkage points either with 2 mm steel wire Ord.No. 21/10 or carbon fibre pushrod Ord.No. 21/4.

**Basic setting of the transmitter**



- Important: Don't reduce servo channel travel for the tail rotor
- - Set gyro gain sensitivity for Robbe G-300 on 70 % approx.
- Set gain potentiometer of NEJ-120 BB ECO in central position

Leave Dual Rate on 100 % and Expo on 0 %



Pitch → tail rotor mixer for gyro G-300 adjust on values -10 / 0 / +10

Pitch → tail rotor mixer for gyro NEJ-120 BB ECO adjust on values -25 / 0 / +25

**Mechanical settings**

- Pitch: middle position of the transmitter stick the servo arm shows 90° angle to the servo housing
- Pitch: minimum position of the transmitter stick the blade angle of the Fenestron is 0°!