

**Subject:** Limitation of the aileron deflection by supports on dismantled plane

**Effectivity:** Sailplane model ASTIR CS, Work no. 1001 to 1536 .

**Accomplishment:** Till 15. 9. 1977

**Reason:** To avoid burdening of the control push rods in case of improper handling during the transportation on ground (erection of the plane and sliding on aileron) a support must be built in on each aileron.

**Material:** with the supply will be delivered  
2 aileron supports 102-0107.03 (Anschlagsbügel)  
2 screws M 6 x 26 LN 9037 (Schrauben)  
2 discs 6,4 LN 9025 (Scheiben)  
2 hexagonal nuts M 6 LN 9348 (Mutter)  
1 fork key SW 10

**Instructions:**

1. On dismantled plane:  
Loosening of the screw which connects the joint pole head (Gelenkstangenkopf) on the rear of the last lateral push rod (Queruderstoßstange) with the impulse mounting. Now the push rod can be pushed slightly inwards.
2. The aileron support is to be guided into the cut of the aileron banner, so that the two straps of the aileron support are lying outside of the impulse mounting.  
(See picture No. 2 and 3 and sketch)
3. When the support ist inserted, the push rod can again be pulled out. The drills of the joint pole head, impulse mounting and aileron support are straightened and the delivered longer screw (L = 26 mm) can be threaded through. Fit up the disc and the new hexagonal nut. The narrow adjustment is the reason, that we send you a special fork key SW 10.

**Important**

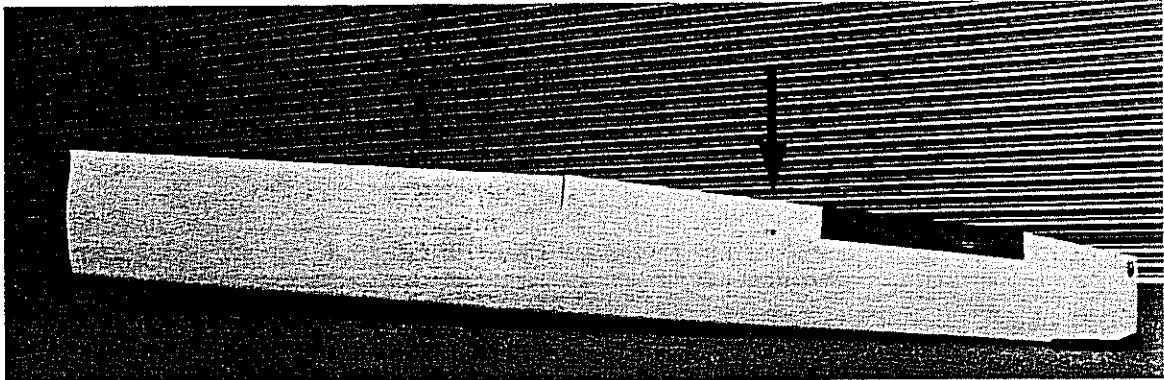
4. After the assembly on the dismantled plane, control if the aileron deflection is upwards in the measure (Maßbereich) 110 – 130 mm. If not, file the hole until the deflection is reached. (picture 4)

**Important**

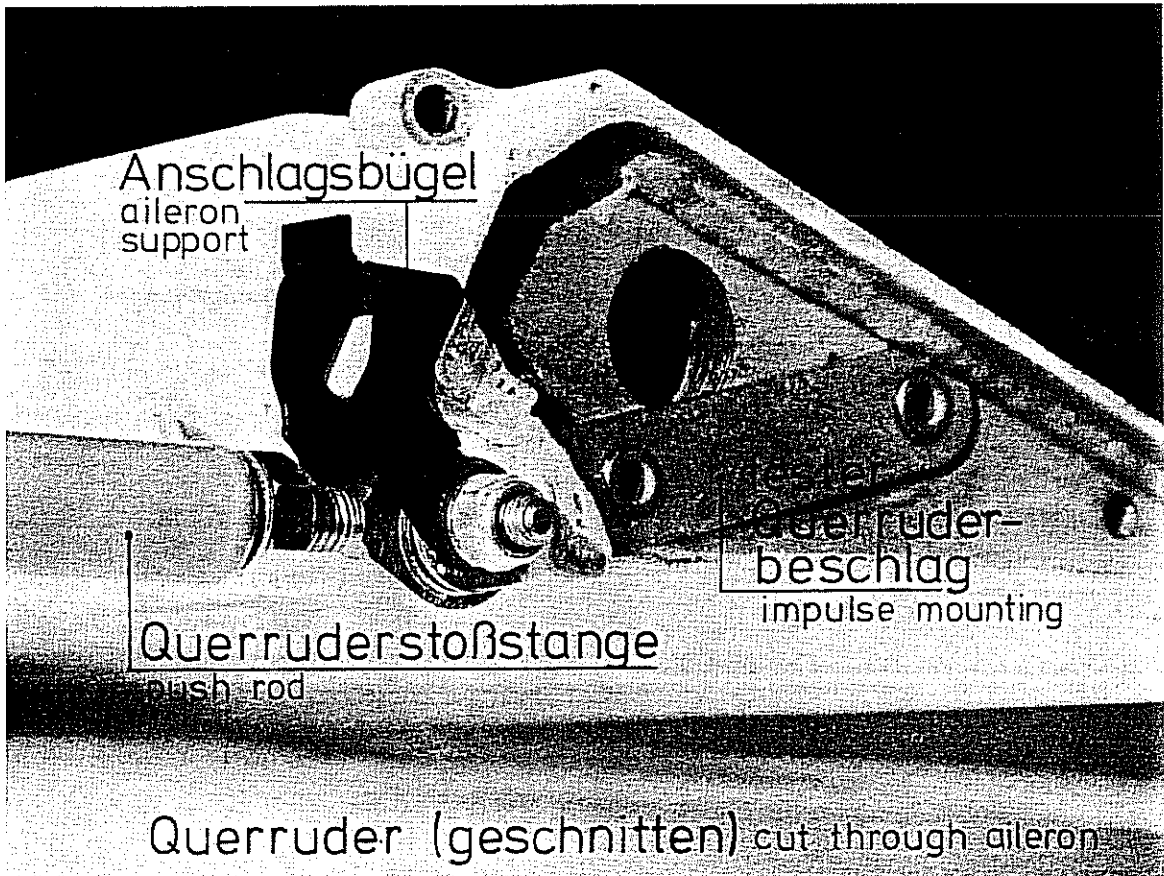
5. It has to be checked on the erected plane, that the aileron deflection are in the tolerances as indicated in the controlreport. The stick has to be in elevator-zero position. (picture 5 and 6)

**Weight and Balance:** No influence.

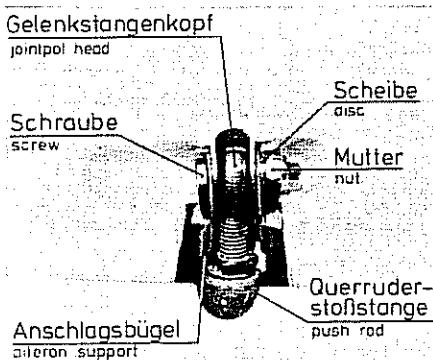
**Remarks:** The proper carrying out of the regulations 1 – 5 has to be certified in the logbook by an examiner, Class III.



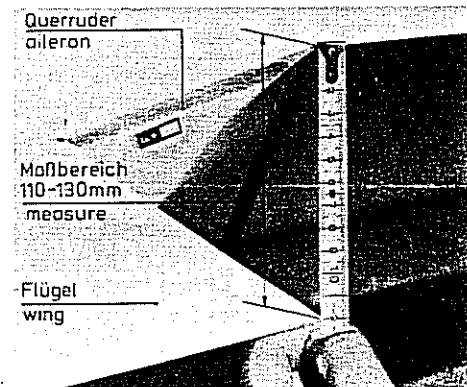
1 Ort für den Einbau des Anschlagsbügel / position for installation of aileron support



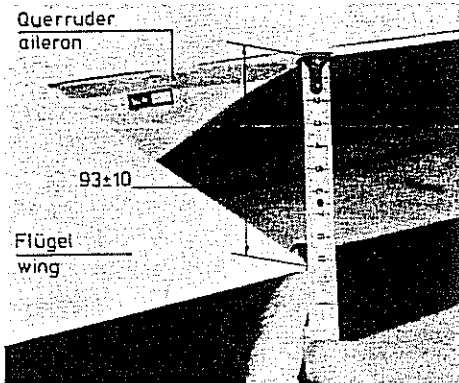
2 Einbau des Anschlagsbügel / installation of aileron support



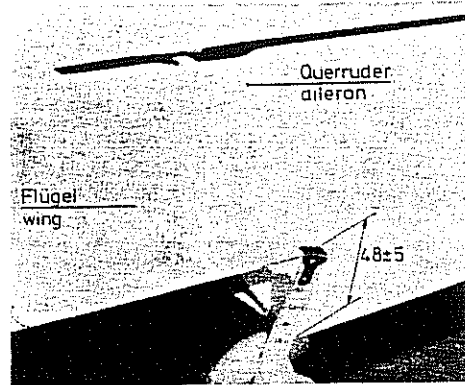
3 Ansicht von unten nachher / view from lower side after installation



4 Kontrolle bei abmontiertem Flügel / examination on dismantled wing



5 Querruderausschlag nach oben bei aufmontiertem Flugzeug / deflection of aileron upwards on erected plane



6 Querruderausschlag nach unten bei aufmontiertem Flugzeug / deflection of aileron downwards on erected plane

