

- 7.9 Powerplant
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7.1 Introduction

This section provides description and operation of the aeroplane and its systems. Refer to Section 9, Supplements, for details of optional systems and equipment.

7.2 Airframe

The Tailwind W10 is a single engine classic welded tube (4130 cr/mo alloy) and fabric fuselage/empennage and strut braced wood high wing closed monoplane construction with 2 side by side seats and 2 lateral doors. The airplane is a taildragger with steerable tailwheel.

7.3 Flight controls

The plane is equipped with dual stick controls and foldable right seat rudder pedals. Elevator, ailerons and flaps are operated with push/pull rods, the rudder with cables.

Elevator trim is mechanical spring loaded working on the entire moving surface .

Control travel:

elevator: 30° up - 25° down

rudder: not less than 30° on both sides

ailerons: 36° up - 28° down (differential movement)

flaps: 10°- 20°- 45° down