

AEROBATIC FLIGHT AND MINIMUM ALTITUDES FOR FLIGHT MANEUVRES

Aircraft shall be used according to aircraft flight manual (AFM) and other instructions published by aviation authorities and/or aircraft manufacturer. Only flight manoeuvres permitted in AFM shall be flown. Maximum velocities and structural loads published in AFM shall never be exceeded.

Joint aviation requirements or Finnish national aviation regulations do not define aerobatic flight. Following limitations based on experience shall be obeyed in TTT – Aviation operations.

Maximum pitch angle in normal operations:

Nose up 30°

Nose down 30°

Maximum bank angle in normal operations:

60°

Yaw angle is not limited. It should be noted, that due to location of pitot-static system in Cessna 150/152/172, slipping/skidding flight causes a significant error in airspeed indicator. It also increases drag and makes unintentional spin more probable. All flight manoeuvres should be flown as controlled as possible ie. keeping the ball centered.

If forementioned limitations are exceeded intentionally, flight is considered aerobatic flight. Aerobatic flight may only be flown with an approved aircraft, following the limitations set by AFM and airworthiness certificate. All persons on board shall wear a parachute. Pilot in command shall have a proper training and experience on aerobatic flight.

STUDENT SOLO FLIGHTS

Following flight manoeuvres are not permitted on student solo flights:

- Stalls
- Steep turns with bank angle exceeding 45 degrees
- Aerobatic manoeuvres
- Spot landings
- Simulated engine- or system failures (landing without flaps is permitted)

ALTITUDE LIMITATIONS

Following altitude limitations are applicable to Cessna 150/152/172 aircraft only. Altitude is measured against the terrain elevation at training area.

Steep turns:	minimum altitude 1500 ft
Stalls:	all stalls shall be recovered at 1500 ft
Recoveries from unusual attitudes:	all unusual attitudes shall be recovered at 1500 ft
Aerobatic flight:	minimum altitude for all manoeuvres 2000 ft
Spins:	all spins shall be recovered at 2000 ft

In other exercises, minimum altitudes set in aviation regulations shall be obeyed.

Approved for operational use 19.12.2011

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