

Airwork PA28-181

Airwork Setup

- Speed: 100 kt (KIAS)
- power: ca. 2.400 RPM
- Fuel Pump: on

Toleranzen

- Altitude: +/- 100 ft
- HDG: +/- 10°
- Speed: +/- 10 kt (Appr: + 5 kt / - 0 kt)

End of Airwork

- Cruise Power
- Flaps up
- Fuel Pump off
- X-Check gyro compaass

Maneuvers

Steep Turn 45° bank

SETUP

- Power 2.400 RPM (2.550 RPM @ 30° bank)
- 100 KIAS stable
- Flaps up
- maintain HDG (roll out 15° prior)
- maintain Altitude

Slow Flight

SETUP

- Power 1.800 RPM
- 70 KIAS stable
- Flaps up
- increase pitch to 5°
- maintain Altitude

CHECK

min. 3.000 ft AGL
Cockpit secured
Area clear

Trim Speed

$$V_{REF} (= 1.3 V_S) + 20kt$$

BRIEFING

- Steep Turn 45° bank left/right
- speed: 100 kt
- Altitude ____ ft
- initial HDG ____° (= final HDG)
- Area clear!
(look out to the side of turn!)

BRIEFING

- Slow Flight 70 kt
- Altitude ____ ft
- HDG ____°
- Area clear!

Maneuvers

Clean Stall

SETUP

- Power 1.200 RPM
- Carburator Heat: on
- Trim Speed 80 kt (KIAS)
- Flaps up
- recovery @ first indication
(end of green arc / buffeting / horn)

Approach Stall with Turn

SETUP

- Power 1.700 RPM
- Carburator Heat: on
- Trim Speed 80 kt (KIAS)
- Flaps 25°
- recovery @ first indication
(end of white arc / buffeting / horn)

Landing Stall

SETUP

- Power 1.400 RPM
- Carburator Heat: on
- Trim Speed 80 kt (KIAS)
- Flaps 10° - 25° - 40°
- recovery @ first indication
(end of white arc / buffeting / horn)

STALL RECOVERY

PITCH
POWER
BANK

BRIEFING

- Clean Stall
- Altitude ____ ft
- HDG ____°
- Trim Speed: 80 kt
- Stall Speed: 50 kt
- recovery @ first indication
(end of green arc / buffeting / horn)
- Area clear!

BRIEFING

- Approach Stall
- Altitude ____ ft
- HDG ____°
- Trim Speed: 80 kt
- Stall Speed: 46 kt
- Flaps: 25°
- recovery @ first indication
(end of white arc / buffeting / horn)
- Area clear!
(look out to the side of turn!)

BRIEFING

- Landing Stall
- Altitude ____ ft
- HDG ____°
- Trim Speed: 80 kt
- Stall Speed: 44 kt
- Flaps 10° - 25° - 40°
- recovery @ first indication
(end of white arc / buffeting / horn)
- Area clear!

- Call out „STALL!“
- release aileron / slight pitch down
- full power
- wings level
- pos ROC: first flaps (hold speed)
- Stabilized climb: flaps up
- Carburator Heat: off