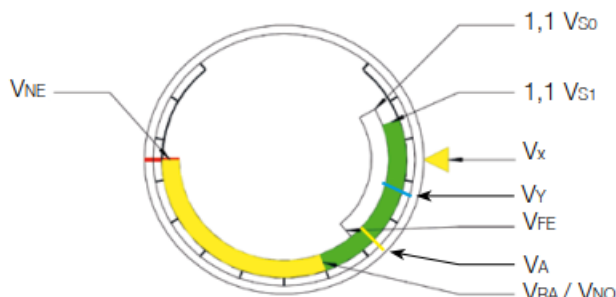




FAHRTMESSER AIRSPEED INDICATORS

SPEEDS INDICATED ON AIRSPEED INDICATOR



WHITE ARC

Speed range in landing configuration, i.e. with fully extended wing flaps and extended landing gear (with retractable landing gear)

WHITE ARC LOWER LIMIT

VS0 = Stall speed or minimum flight speed at which the aircraft is still controllable in landing configuration.

WHITE ARC UPPER LIMIT

VFE = Flaps Extension speed, the maximum speed for extending the flaps.

GREEN ARC

VS1 bis VRA = normal operating range at maximum take-off weight.

GREEN ARC LOWER LIMIT

VS1 = Stall speed with closed flaps.

GREEN ARC UPPER LIMIT

VRA or VNO = Maximum structural cruising speed in strong turbulence or maximum speed for normal operations. Wing flaps in neutral position (retracted), running gear retracted (with retractable landing gear). Full rashes of the handlebar are allowed. Previously = Normal Operating Speed.

YELLOW LINE

VA = The Maneuvering speed which you can make full control deflections in strong turbulence. If VA and VRA are equal, no yellow line needed, the VA is the border between green and yellow bow.

YELLOW TRIANGLE

VX = lowest recommended landing airspeed or best climbing over an obstacle in relation to distance.

RED LINE

VNE = permissible maximum speed must never be exceeded, otherwise structural damage threatens even in calm air mass.

BLUE LINE

VY = Airspeed for the best climb rate (per time); with VY you climb fastest (Best Rate of Climb), even if you travel another distance in contrast to VX; Speed for best climbing - greatest gain in height in the shortest possible time.

ABBREVIATION, NAME AND EXPLANATION

VNE	never exceed speed
VNO/VRA	maxi. structural cruising speed or max. speed for normal operations
VA	Maneuver speed in strong turbulence with full rudder deflections.
VFE	Flaps Extension Speed, maximum permissible speed for extending the wing flaps
VX	lowest recommended landing approach speed or best climb over obstacle "X" in relation to the flight distance (VY = best climb with respect to the flight time).
VS1	Stall speed or minimum steady speed at which the aircraft with flaps is still controllable. English Definition: Stalling speed or minimum steady controllable flight speed.
VS	like VS1, but in a specially defined configuration.
VS0	Stall speed or minimum steady speed at which the aircraft is still controllable in the landing configuration.
VY	Optimate speed of the best climb