

2.2 Airspeed Limitations

Airspeed limitations and their operational significance are shown below in indicated airspeed.

Speed		KIAS	Remarks
V_{NE}	Never exceed speed (barber pole)	180	Do not exceed this speed in any operation.
V_{NO}	Maximum structural cruising speed (bottom of yellow arc)	110	Do not exceed this speed except in smooth air, and then only with caution.
V_A	Maneuvering speed	87	Do not make full or abrupt control movements above this speed.
	Max Straight & Level	140	Full power straight and level
V_{FE}	Maximum flap extended speed (top of white arc)	75	Do not exceed this speed with flaps down.
V_{S1}	Stall speed, flaps up	45	At max takeoff weight
V_{S0}	Stall speed, flaps down (bottom of white arc)	40	At max takeoff weight

Landing Approach:

Normal Approach, Flaps 25°.....52 KIAS

Short Field Approach, Flaps Full.....52 KIAS

Balked Landing:

FULL POWER, allow speed to increase to 70 KIAS

Clear of obstacles, Flaps 10°.....70 KIAS

Flaps UP, Normal Climb.....85 KIAS

Maximum Recommended Turbulent

Air Penetration Speed90 KIAS