

V-speeds

A series of designators used by the FAA and listed in 14 CFR 1 to describe certain flight conditions.

- V_A Design maneuvering speed
- V_B Design speed for maximum gust intensity
- V_C Design cruising speed
- V_D Design diving speed
- $V_{DF/MDF}$ Demonstrated flight diving speed
- V_F Design flap speed
- $V_{FC/MFC}$ Maximum speed for stability characteristics
- V_{FE} Maximum flaps extended speed
- V_H Maximum speed in level flight with maximum continuous power
- V_{LE} Maximum landing gear extended speed
- V_{LO} Maximum landing gear operating speed
- V_{LOF} Lift-off speed
- V_{MC} Minimum control speed with the critical engine inoperative
- $V_{MO/MMO}$ Maximum operating limit speed
- V_{MU} Minimum unstick speed
- V_{NE} Never-exceed speed
- V_{NO} Maximum structural cruising speed
- V_R Rotation speed
- V_S Stalling speed or minimum steady flight speed at which the aircraft is controllable
- V_{SO} Stalling speed or minimum steady flight speed in the landing configuration
- V_{S1} Stalling speed or minimum steady flight speed obtained in a specific configuration
- V_{TOSS} Take-off safety speed for Category A rotorcraft
- V_X Speed for best angle of climb
- V_Y Speed for best rate of climb
- V_1 Take-off decision speed (formerly denoted as critical engine failure speed)
- V_2 Take-off safety speed
- V_{2min} Minimum take-off safety speed