



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