

V – Speed Chart

Speed type	MPH	KTS	Description	Airspeed marking
V_{so}			Stall speed in landing configuration	bottom of white arc
V_s (V_{s1})			Stall speed in clean configuration	bottom of green arc
V_x			Best angle of climb	
V_y			Best rate of climb	
V_a			Maneuvering speed	
V_r			Rotation speed/ takeoff speed	
V_{fe}			Max flap extend speed	Top of white arc
V_{no}			Max structural cruising speed	Top of green arc
V_{ne}			Never exceed speed	Red line
V_g			Best glide speed	
Xwind demonstrated			manufacture demonstrated crosswind	

Some V names may not exist in the POH for some aircraft, but should find reference to the description listing the speed. The Crosswind demonstrated is not often listed for many aircraft; therefore not applicable.

Landing configuration is often referred to as dirty (landing gear and flaps extended etc). Clean is usually reference to takeoff configuration or no extension of flaps and or gear as applicable.

Most training aircraft are fixed gear, but those that are complex an extra Vspeed used is V_{le} – landing gear extended speed.