

“V” speeds

These are the most useful operating speeds for single engine aircraft.

- Vfe Maximum flaps extended speed
- Vle Maximum landing gear extended speed
- Vmo Maximum operating limit speed
- Vne Never exceed speed
- Vr Rotation speed
- Vs Stall speed – minimum steady flight speed in “clean configuration”
(Low speed end of green arc)
- Vso Stall speed – minimum steady flight speed in “landing configuration”
(Low speed end of white arc)
- Vx Best angle of climb speed – most altitude in shortest horizontal distance
- Vy Best rate of climb speed – most altitude in least amount of time