V Speeds

V SPEED	DEFINITION
V1	Decision speed on take-off; continue or reject take-off
V1WET	A/C should stop at end of ASD available on an average day
V2	Take off safety speed to be attained at screen height with OEI at V1
V ₂ MIN	Minimum take-off safety speed; must be achieved by 35ft with OEI
VEF	The assumed speed of engine failure
VFE	Maximum flap extended speed
Vgo	Minimum speed which t/off can be continued after engine failure
VLO	Maximum speed at which landing gear can be lowered
VLOF	Speed at which main wheels leave the ground on t/off
VMAXTYRE	Maximum tyre speed; must be equal to or faster than VLOF
Vmbe	Maximum brake energy speed for a t/off rejected at V1
VMC	Minimum control speed where directional control and S&L flight can be
	maintained with a max AOB of 5degrees
VMCA	Minimum control speed in the air
VMCG	Minimum control speed on the ground
VMCL	Minimum control speed when landing
VMD	Velocity of minimum drag
Vмо	Maximum operating speed
VMP	Velocity for minimum power
VMU	Minimum unstick speed at which a/c can safely t/off and climb without
	hazards
VP	Hydroplaning speed
V R	Speed at which pilot starts to apply back pressure to initiate rotation
VREF	Speed above screen height
Vs0	Stalling speed of the a/c in the landing configuration
Vs1	Stall speed of the a/c in a specific configuration
Vsr0	Reference stall speed when in the landing configuration
VSR1	Reference stalling speed in a specific configuration
VSTOP	Maximum speed at which t/off can be rejected and a/c is able to stop in ASD
	available on an average day
VTOSS	Take-off safety speed
Vx	Speed for maximum angle of climb
VY	Speed for maximum rate of climb
Vzf	Minimum safe manoeuvring speed with zero flap

 $VEF < V1 \le VR < VLOF < V2$

VLOF < VTYRES < V2

VMCG $\leq V$ EF $\leq V$ 1 $\leq V$ MBE / VR