

# Airbus A321-200

Ce document a été réalisé avec l'aide du Commandant de Bord Eric B.  
— MERCI —



MISC	VALUES
CLIMB	280 KTS / M 0.75
DESCENT	290 KTS / M 0.77
CRUISE	FLXXX, XXX = Dist to Dest + 20
	FL370 MAX
	300 KTS / M 0.80
RAAS	TAKEOFF 7500 FT
	LANDING 5150 FT

## TAKEOFF

PHASES	OPERATIONS
END OF TAXI	CALIBRATE DEVICE
	FLAPS 1
	LINE UP
TAKEOFF	POWER 85%
80 KTS	±RUDDER
V1 = ~132 KTS	START PULL UP
VR = ~142 KTS	ROTATE
TAKEOFF	RUDDER OFF
	CLIMB ~18°
POSITIVE RATE	HDG ON
	GEAR UP
	~170 KTS
~1500 FT AGL	18° → 1200 FT/MIN
~170 KTS	POWER 85% → ~62%
200 KTS	FLAPS UP
200 KTS → 250 KTS	V/S = 3°
250 KTS	SPD ON
5000 FT AGL	

**Note****IN REAL WORLD FOR A321**

- V1 = ~150 kts
- VR = ~160 kts
- V2 = ~160 kts

**CLIMB AT 3°**

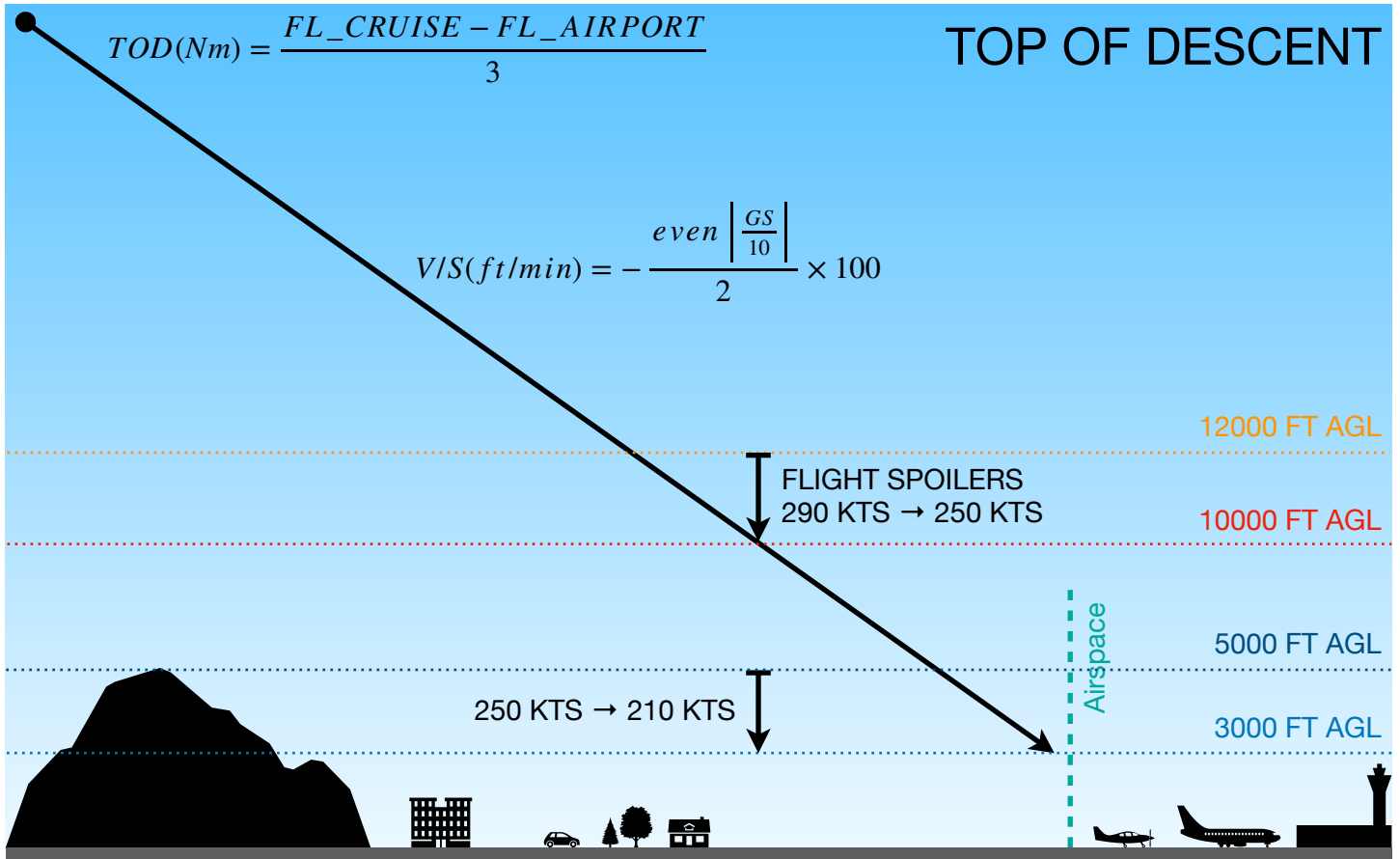
$$V/S(ft/min) = \frac{\text{even } \left| \frac{GS}{10} \right|}{2} \times 100$$

## CLIMB/NAV

PHASES	OPERATIONS
10000 FT MSL	V/S = 3°
	V/S MAX +2000
	250 KTS → 280 KTS
	SPD ON
FL CRUISE	280 KTS → 300 KTS
	M 0.75 → M 0.8

**2000 FT AGL**

It is possible to start navigation from this point



**Note**

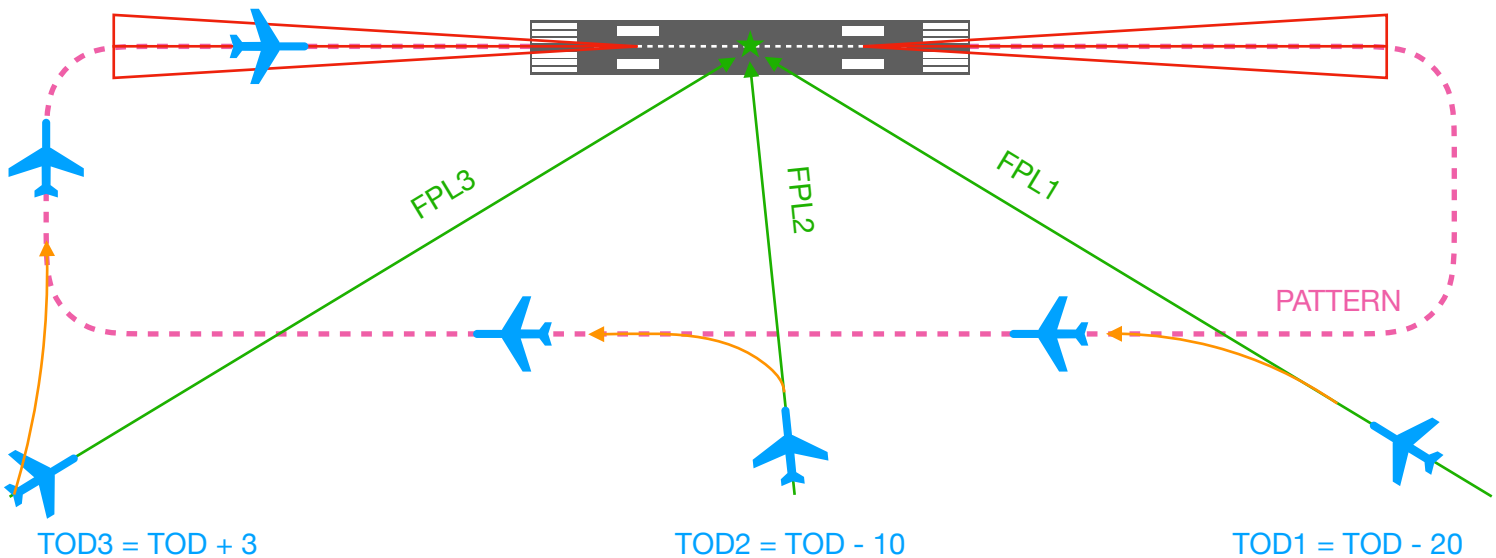
**TOD**  
You can add 3 Nm to the TOD to be comfortable in case of straight approach.

**V/S**

$$even \left| \frac{GS}{10} \right|$$

Take ground speed (GS), divide by 10, round to first even number. Examples: 431 kts → 43.1 → 44, 401 kts → 40.1 → 40.

**CRUISE**  
For short distances, you can cruise at FL Dist to Dest + 20.



APPROACH

V	PHASES	OPERATIONS
	12000 FT AGL	290 KTS → 250 KTS
		FLIGHT SPOILERS
	10000 FT AGL	250 KTS
	5000 FT AGL	250 KTS → 210 KTS
	3000 FT AGL	210 KTS
	HDG	ILS ± 30°
	LOCALIZER	APPR ON
		SPOILERS ARMED
	GLIDE = +1	SPD OFF
		POWER ~17%
		FLAPS 1
		210 KTS → 200 KTS
	200 KTS	FLAPS 2
		200 KTS → ~185 KTS
	2000 FT (6,7 NM)	GEAR DOWN
		~185 KTS → 170 KTS
	170 KTS	FLAPS 3
		170 KTS → 155 KTS
	155 KTS	FLAPS FULL
		POWER ~17% → 40%
		155 KTS → 142 KTS
	142 KTS	SPD ON

LANDING

PHASES	OPERATIONS
1000 FT (3,3 NM)	APPR OFF
300 FT (MINIMUMS)	CONTINUE?
	A/P OFF
20 FT	POWER 0%
10 FT	RUDDER ALIGN
TOUCHDOWN	LANDING SPOILERS
	REVERSE ON
NOSE DOWN SMOOTH	RUDDER OFF
~70 KTS	REVERSE OFF
	BRAKE ON
30 KTS	BRAKE OFF
	SPOILERS OFF

**Note**

**DEVICE CALIBRATION**

Calibrate your device at any time during the approach.

Increase TRIM up to 30% between gear down and flaps 3.

When you disengage the automatic approach your device must be calibrated in a comfortable holding position with the good TRIM.

**NEED TO DIVE ?**

200 kts max / flaps 2 / gear down / -3000 ft/min max

