

V_RO = V_APP

36.1	130	140.3	118.4	99.1	82.4	68.3	56.7	47.7	41.3	37.4	36.1
33.3	120	115.6	96.3	79.6	65.5	53.9	44.9	38.5	34.6	33.3	34.6
30.6	110	93.6	76.9	62.7	51.1	42.1	35.7	31.8	30.6	31.8	35.7
27.8	100	74.1	59.9	48.4	39.4	32.9	29.1	27.8	29.1	32.9	39.4
25.0	90	57.2	45.6	36.6	30.1	26.3	25.0	26.3	30.1	36.6	45.6
22.2	80	42.8	33.8	27.4	23.5	22.2	23.5	27.4	33.8	42.8	54.4
19.4	70	31.0	24.6	20.7	19.4	20.7	24.6	31.0	40.0	51.6	65.7
16.7	60	21.8	18.0	16.7	18.0	21.8	28.2	37.2	48.8	63.0	79.7
13.9	50	15.2	13.9	15.2	19.0	25.5	34.5	46.0	60.2	76.9	96.2
11.1	40	11.1	12.4	16.3	22.7	31.7	43.3	57.4	74.1	93.4	115.3
8.3	30	9.6	13.5	19.9	28.9	40.5	54.6	71.3	90.6	112.5	136.9
5.6	20	10.7	17.1	26.1	37.7	51.9	68.6	87.9	109.7	134.2	161.2
2.8	10	14.4	23.4	34.9	49.1	65.8	85.1	106.9	131.4	158.4	188.0
0.0	0	20.6	32.2	46.3	63.0	82.3	104.2	128.6	155.6	185.2	217.3
		40	50	60	70	80	90	100	110	120	130 V_VUT
		11.1	13.9	16.7	19.4	22.2	25.0	27.8	30.6	33.3	36.1

dV=0 km/h			
dV=10 km/h	a	3 m/s ²	Srear 55 m
dV=20 km/h	tb = Reactiontime	1 s	
dV=30 km/h	tg = gap	1 s	V_APP m/s km/h
dV=40 km/h			36.1 130
dV=50 km/h	Input in cells with blue text only !!!		V_SMIN 25.47 91.7

$$V_{Smin} = a * (t_B - t_G) + v_{App} - \sqrt{a^2 * (t_B - t_G)^2 - 2 * a * (v_{App} * t_G - S_{Rear})}$$