

Brake Efficiency

Stopping Distance conversion Table (Metric). All measurements made on level road, driver's reaction time excluded

Brake Efficiency per cent	Distance to stop in metres					Time to stop in seconds					Rate of Retardation	
	From	From	From	From	From	From	From	From	From	From	m/s/s	km/h/s
	20km/h	40km/h	60km/h	80km/h	100km/h	20km/h	40km/h	60km/h	80km/h	100km/h		
5	31.46	125.84	283.13	503.34	786.47	11.33	22.65	33.98	45.31	56.63	0.49	1.77
10	15.73	62.92	141.57	251.67	393.24	5.66	11.33	16.99	22.65	28.32	0.98	3.53
15	10.49	41.95	94.38	167.78	262.16	3.78	7.55	11.33	15.10	18.88	1.47	5.30
20	7.87	31.46	70.78	125.84	196.62	2.83	5.66	8.49	11.33	14.15	1.96	7.06
25	6.29	25.17	56.63	100.67	157.29	2.27	4.53	6.80	9.06	11.13	2.45	8.83
30	5.24	20.97	47.19	83.89	131.08	1.89	3.78	5.66	7.55	9.44	2.94	10.59
35	4.49	17.98	40.45	71.91	112.35	1.62	3.24	4.85	6.47	8.09	3.43	12.36
40	3.93	15.73	35.39	62.92	98.31	1.42	2.83	4.25	5.66	7.08	3.92	14.13
45	3.50	13.98	31.46	55.93	87.39	1.26	2.52	3.78	5.03	6.29	4.42	15.09
50	3.15	12.58	28.31	50.33	78.65	1.13	2.27	3.40	4.53	5.66	4.91	17.66
55	2.86	11.44	25.74	45.76	71.50	1.03	2.06	3.09	4.12	5.15	5.40	19.42
60	2.62	10.49	23.59	41.95	65.54	0.94	1.89	2.83	3.78	4.72	5.89	21.19
65	2.41	9.68	21.80	38.72	60.50	0.87	1.74	2.61	3.49	4.36	6.38	22.96
70	2.25	8.99	20.22	35.95	56.18	0.81	1.62	2.43	3.24	4.05	6.87	24.72
75	2.10	8.39	18.88	33.56	52.43	0.76	1.51	2.27	3.02	3.76	7.36	27.49
80	1.97	7.87	17.70	31.46	49.15	0.71	1.42	2.12	2.83	3.54	7.85	28.25
85	1.85	7.40	16.65	29.61	46.26	0.67	1.33	2.00	2.67	3.33	8.34	30.02
90	1.75	6.99	15.73	27.96	43.69	0.63	1.26	1.89	2.52	3.15	8.83	31.78
95	1.66	6.62	14.90	26.49	41.39	0.60	1.19	1.79	2.38	2.98	9.32	33.55
100*	1.57	6.29	14.16	25.17	39.32	0.57	1.13	1.70	2.27	2.83	9.81	35.52