

Regulation No. 39 - Speedometer equipment

Transmitted by the expert from Italy

In order to assess whether or not the "on road "test and the roller test are equivalent , even with a reduced roller diameter, some tests have been carried out on different types of motorcycles

Tested Model	Real speed (km/h) (1)	Speed indicated by the speedometer Test on the road (km/h)	Speed indicated by the speedometer Test on the roller (km/h) (2)
A: 100 cc	40	42	42
	65	73	73
B: 650 cc	40	45	45
	80	88	88
	120	130	130
C: 1000 cc	40	41	40
	80	82	81
	120	122	121

(1) measured with an optical sensor Datron, model DSL 1

(2) diameter 502 mm width= 600 mm power 110 kw

The test results show that there is equivalence between the two methods (on the road and on dynamometer roller

Therefore the use of a dynamometer roller with a reduced diameter is supported by Italy