

# Stopping Distance Chart

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## Ratio of Speed to Stopping Distance

§ 46.2-880. Tables of speed and stopping distances.

All courts shall take notice of the following tables of speed and stopping distances of motor vehicles, which shall not raise a presumption, in actions in which inquiry thereon is pertinent to the issues:

SPEED IN

AVERAGE STOPPING DISTANCES

TOTAL STOPPING DISTANCES

Miles per Hour

Feet per Second

Automobile Brakes

(In Feet)

Truck Brakes

(Brakes on All Wheels

(In Feet)

Average Driver

Reaction Time

(3/4 seconds)

(In Feet)

Automobiles

(In Feet)

Trucks

(In Feet)

10

14.67

5

7

11

16

18

15

22.0

12

17

16

28

33

20

29.34

21

30

22

43

52

25

36.62

32

47

27

59

74

30

44.0

47

67

33

80

100

35

51.3

63

92

38

101

130

40

58.7

82

120

44

126

164

45

66.0

104

152

50

154

202

50

73.3

128

187

55

183

242

55

80.7

155

227

61

216

288

60

88.0

185

270

66

251

336

65

95.3

217

316

71

288

387

70

102.6

252

367

77

329

444

75

109.9

289

422

82

371

504

80

117.2

328

480

88

416

568

90

132.0

425

607

99

524

706

100

146.6

514

750

109

623

859

The courts shall further take notice that such tables are the result of experiments made with motor vehicles, unloaded except for the driver, equipped with four-wheel brakes, in good condition, on dry, hard, approximately level stretches of highway free from loose material.

(Code 1950, § 46-212.2; 1956, c. 600; 1958, c. 541, § 46.1-195; 1989, c. 727.)

<http://www.jmu.edu/safetyplan/vehicle/generaldriver/stoppingdistance.shtml>