FREE CALCULATOR

# Stopping distance calculator

How far a vehicle travels before it stops: the distance covered while the driver reacts, plus the braking distance, at any speed, and the following time that distance needs.

CHART

## Stopping distance by speed

| SPEED | REACTION DISTANCE | BRAKING DISTANCE | TOTAL |
|---|---|---|---|
| **20 mph** | 74 ft | 38 ft | 112 ft |
| **25 mph** | 92 ft | 60 ft | 152 ft |
| **30 mph** | 110 ft | 86 ft | 197 ft |
| **35 mph** | 129 ft | 118 ft | 246 ft |
| **40 mph** | 147 ft | 154 ft | 301 ft |
| **45 mph** | 165 ft | 194 ft | 360 ft |
| **50 mph** | 184 ft | 240 ft | 424 ft |
| **55 mph** | 202 ft | 290 ft | 492 ft |
| **60 mph** | 221 ft | 346 ft | 566 ft |
| **65 mph** | 239 ft | 406 ft | 644 ft |
| **70 mph** | 257 ft | 470 ft | 728 ft |
| **75 mph** | 276 ft | 540 ft | 816 ft |
| **80 mph** | 294 ft | 614 ft | 908 ft |

AASHTO design values: 2.5 s to react and 11.2 ft/s² deceleration, for a passenger car on a wet road. Real distances vary with the vehicle, load, brakes, tires and road.

Free chart from fleetzap.com/tools/stopping-distance-calculator