

Typical Values of Acceleration & Deceleration for Motor Vehicles for Level Surfaces

Passenger Cars – Normal Acceleration

0 – 20 mph = 1.6 fps²

20 – 40 mph = 1.0 fps²

Over 40 mph = 0.3 fps²

Passenger Cars – Rapid Acceleration

0 – 20 mph = 1.6 fps²

20 – 40 mph = 1.0 fps²

Over 40 mph = 0.3 fps²

Medium Trucks – Normal Acceleration

0 – 20 mph = 1.6 fps²

20 – 40 mph = 1.0 fps²

Over 40 mph = 0.3 fps²

Big Trucks (Loaded) – Normal Acceleration

0 – 20 mph = 1.6 fps²

20 – 40 mph = 1.0 fps²

Over 40 mph = 0.3 fps²