

Side facing flip seats along the bus wall in the wheelchair position can be used when no wheelchair student is occupying the location. These seats shall be of the bench type to accommodate obese students. The seats shall always be in the up position and not interfere with the clear width for the wheelchair of 800 mm. These seats shall not be designated as Priority seats.

13.5.2. Securements

Each wheelchair position shall be fitted with a rear-facing securement system, where the wheelchair and the occupant face the rear of the vehicle. The rear-facing system shall be provided with a padded back panel and have the following dimensions:

Height of panel from floor to bottom edge: 350–480 mm

Height of panel from floor to top edge: 1300 mm min

Width of panel: between 250 mm and 400 mm

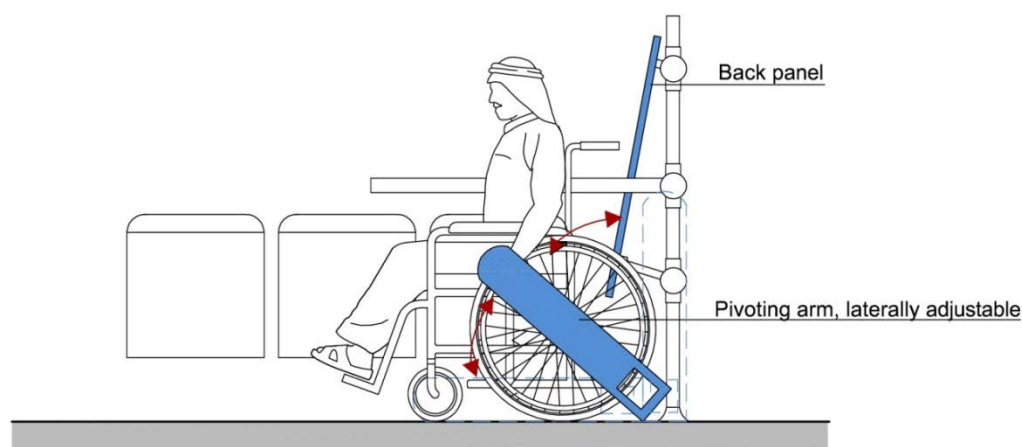


Figure 117. Rear-facing securement with pivoting aisle arm - securement technology for low transportation in buses and rail

The back panel shall withstand a decelerating force of 3 g. The rear-facing securement shall have a pivoting aisle arm, which is also laterally adjustable to accommodate different wheelchair types and prevent them from moving longitudinally and laterally.

The vehicle shall be fitted with a horizontal handrail along the longitudinal side of 750 mm – 1000 mm from the floor, not to exceed the mobility aid space by more than 90 mm, and have a diameter of 30 mm – 40 mm with a clear knuckle space of 35 mm between any part of the vehicle and the handrail. Handrails and grab bars shall have at each end a tactile or Braille application for students who are blind.