LiftSentinel™

Dealer Product Guide

1-2-2026

Raising the bar on security.

BraunAbility

What is the LiftSentinel?

The LiftSentinel from BraunAbility is an advanced lift barrier system designed for Century and Millennium wheelchair lifts (2005+ models). It automatically deploys on the inboard side of the lift platform, within the interior of the vehicle, creating a secure barrier that helps prevent accidental entry during loading and unloading. LiftSentinel delivers confidence and compliance without increasing the lift footprint.

an essential upgrade for modern accessibility solutions

Key Features:

Easy Installation
- 4 bolts into existing holes on lift
- 1 wiring harness
- quick installation (under one hour)

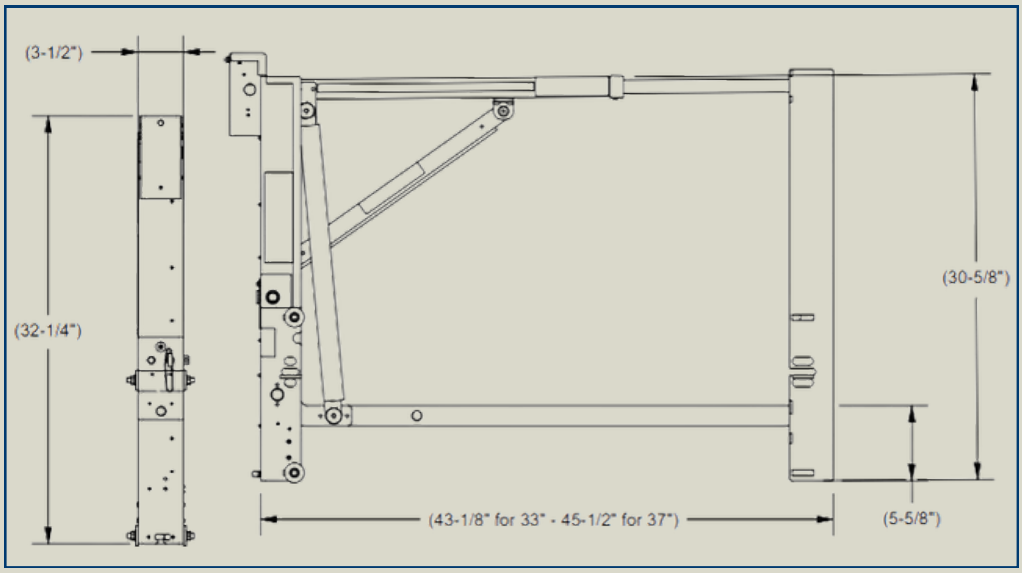
Automatic Operation
- manual override without disabling lift
- low attendant effort

Smooth & Quiet
- around 10 seconds per deploy/retract
- quiet anti-rattle operation

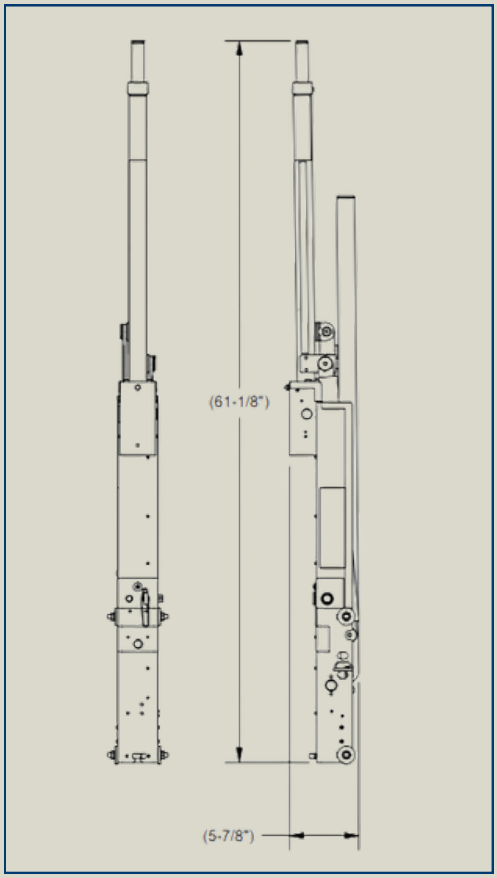
No Added Footprint
- space-conscious design
- no encroachment to interior cabin

Seamless Integration
- compatible with commercial Century and Millennium lift models (2005+)
- designed to complement OEM specifications

Deployed dimensions:



Stowed dimensions:



Click here for downloadable PDF of dimensions.

How to Order

1 Verify Compatibility/Training Completed

- may be installed on all **commercial** Millennium and Century wheelchair lifts (2005 or newer)
- Make sure technician has completed training
- Product will not be visible to purchase if training is not complete

2 Select LiftSentinel™ Kit and Place Order

- Go to Connect+
- In the search bar, enter the LiftSentinel part number **(P/N 605258)**
- Add to Cart

Note: the LiftSentinel will be shipped from Mount Carmel, Illinois - lift shipped separately

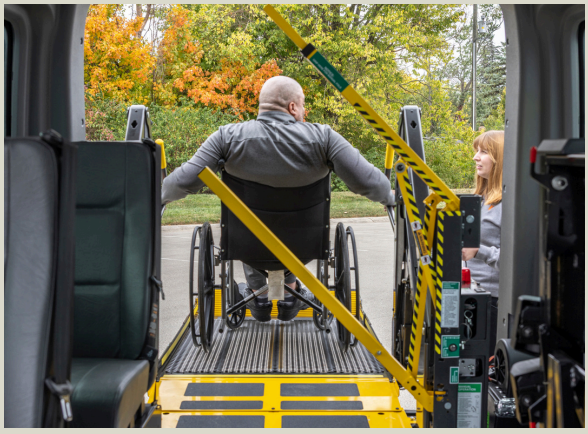
3 Order Status

- Go to your account on Connect+ to check order status and track shipment

Questions? Chat with an expert on Connect+

Installation Guide:

PDF Version



Disclaimers

- Operational/installation must follow the official manual
- LiftSentinel will not be available to dealer until training is completed
- Arms tested at 100lbs in outward direction, matching NHTSA 403 Standards

LiftSentinel™ Specifications

COMMERCIAL WHEELCHAIR LIFT BARRIER SPECIFICATION – NOT IN CONFLICT WITH United States Department of Transportation Rules and Regulations 49CFR, Part 38, FROM THE AMERICANS WITH DISABILITIES ACT OF 1990, FMVSS 403, or 36CFR Part 1192

"Provided to make your spec writing easier."

The wheelchair lift barrier system (WLBS) shall be of modular steel construction. The design shall consist of two primary subassemblies, the power side, and the receiver side. The WLBS shall consist of two coupled rotating arms, pivotally mounted to the power side. The upper arm shall be telescopic to minimize vehicle interior height requirements. The upper and lower arms shall rotate from a vertical stowed position to a horizontal deployed position. When deployed, the upper arm shall be at a height 30"-32" above vehicle floor level and the lower arm shall be at a height of 5"-7" above floor level.

Both the vertical and horizontal velocity of any portion of the WLBS arms shall be less than 12 inches per second (305 mm per second). The power supply shall be provided by the 12-volt system from the BraunAbility wheelchair lift. A single electric actuator shall provide the means to rotate the coupled upper and lower arms between the deployed and stowed positions. The operation of the unit shall provide a smooth and uninterrupted cycle. The noise level of the WLBS may not exceed 80 dBa as measured at any lift operator's position designated by the platform lift manufacturer.

The WLBS shall be controlled by the BraunAbility wheelchair lift hand control. There shall not be a secondary powered control method of the WLBS. Operation of the WLBS shall be integrated to the wheelchair lift. Deployment of the WLBS shall precede downward movement of the wheelchair lift platform from vehicle floor level. Stowing of the WLBS shall not commence until the wheelchair lift platform has traveled to and stopped at vehicle floor level. Deployment of the WLBS shall be controlled by the "Down" or "Lower" function on the wheelchair lift hand control. Stowing of the WLBS shall be controlled by the "Fold" or "Stow" function on the wheelchair lift hand control. Both WLBS stow and deploy functions shall be momentarily controlled and all movement of the wheelchair lift barrier system must cease with no input to the wheelchair lift hand control.

A manual override system shall be provided to ensure operation of the lift in case of electrical or mechanical failure of the WLBS. The manual override control shall be located inconspicuously to prevent unintended activation. When activated, the manual override control shall not impede or otherwise affect normal wheelchair lift operation.

A method for manually operating the WLBS shall be provided. Manual operation shall be prevented unless actively engaged by decoupling the actuator from the rotating arms. When manually operated, the coupled upper and lower arms shall smoothly and reliably rotate to the deployed and stowed positions. When manually operated, a secondary -mechanism shall be provided to retain the coupled arms in the vertical position. When manually operated, the WLBS shall maintain the stowed and deployed interlock signal functionality for the wheelchair lift and shall not impede or otherwise affect normal operation of the wheelchair lift.

When deployed, the upper arm shall withstand a 250 lbf load applied in an outward direction with 4" maximum deflection.

When deployed, the lower arm shall withstand a 1600 lbf load applied in an outward direction with no separation, fracture, or breakage.

The WLBS shall be equipped with an obstruction detection system to stop motion when upper or lower arm movement is impeded The WLBS obstruction detection system shall require reactivation of an operate button to continue arm movement after the impediment has been removed. The WLBS obstruction detection system shall reset automatically without specific input from the operator. The WLBS arms shall be clearly marked to identify potential pinch points.

When installed, the WLBS shall not extend inboard of the wheelchair lift's threshold area or laterally outside of the wheelchair lifts baseplate. The WLBS shall adapt to any commercial Century or Millennium BraunAbility wheelchair lift with a minimum platform width of 33" to a maximum width of 37". Installation of the WLBS shall not disrupt the integrity or operation of the lift. The WLBS shall not attach to or otherwise interface with the vehicle floor.

The WLBS arms and structural components shall be finished with a baked-on powder coating to provide corrosion resistance and a long service life.

The WLBS shall be capable of operating for a minimum of 31,200 cycles. The WLBS shall be capable of operating in a temperature range of -20° to 120° F.

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