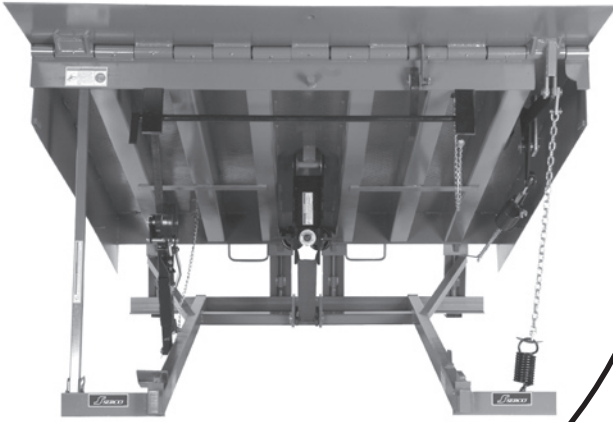


WL Mechanical

DOCK LEVELER SPECIFICATIONS

30K 35K LB. CAPACITY RATINGS



Design Highlights

- Exclusive SafeTFrame™ Design
- Patented POSI-TRAC® Unlimited Float Hold-down
- Patented HYDRA CAM™ Automatic Lip Extension
- CLEAN FRAME® Design
- Single Adjustment Point Extension Spring Counterbalance
- High Tensile Steel Lip, Deck & Beams
- Structural Steel Safety Legs
- Working Range Toe Guards
- Below-dock Endloading Capability
- 16" Lip Standard
- Grease Fittings
- Integral Maintenance Strut & Lip Support Latch
- Heavy-duty B410-14F Dock Bumpers

Project Information

Job Name _____
 Address _____
 General Contractor _____
 Distributor _____
 Model _____ Quantity _____

Certified For Construction

By _____
 Company _____
 Address _____
 Date _____

Available Options

- Factory Installed Brush Weatherseal
- Factory Installed Neoprene Weatherseal
- 18" Lip
- 20" Lip
- 24" Pit Conversion
- Spray Foam Insulated Deck
- Full Operating Range Toe Guards
- Lip Taper _____ (specify)
- Box Option:

For installation without pre-formed concrete pits, dock leveler supplied with integral pre-formed steel box for pour-in-place construction. Leveler shall be in an enclosed steel box structure complete with its own six-piece, welded structural curb angles and concrete anchors. The leveler is to be concreted in place as the floor is poured.



Box Option

- Other _____

Accessories

- PitBull® SAFETY-LOC® Restraint _____
- SLP Recessed Restraint
- Universal Truck-Chock™ Wheel Restraint
- SAFETY-CHOCK® Wheel Restraint
- ALS Light Communication System
- MLS Light Communication System

Bumper Options

- B410-14 VB420-11F
- B610-14 VB420-11 Steel Faced
- B610-14F Other _____

Capacity

- 30K 35K



WL Mechanical

DOCK LEVELER SPECIFICATIONS

30K 35K LB. CAPACITY RATINGS

1. General: "WL" Series hinged lip dock leveler with extension spring counterbalance assembly. Unit conforms to ANSI/MH14.1-1987 performance requirements. Unit to be manufactured by Serco.

2. Construction, Platform Assembly: Platform constructed of high tensile steel safety tread deck plate supported by unique L-beam construction. Structural members fully welded to front header. Deck to be 1/4" thick.

3. Lip Assembly: Lip to be 16" high tensile steel safety tread lip plate with beveled leading edge. Lip to be 5/8" thick on 30K & 35K capacity units. 7' wide lip tapers to 6'-6" at leading edge (6'-0" taper optional). Lip hinge to have full width structural front header and heavy wall tubing with a minimum of 5/16" wall thickness. Hinge tubes to have gussets on 35K capacity. Lip hinge shaft to be a minimum of 1" solid steel.

4. Lip Extension: Patented HYDRA CAM™ lip assist mechanism provides gentle lip activation and reduced walk-down loads.

5. Rear Subframe & Hinge: Rear structural frame consists of a welded structure constructed from 4 structural angle vertical members connecting two horizontal members. The upper rear angle has longitudinal support gussets & additional deck supports to promote structural stiffness. The hinge system consists of four 3/4" thick lugs allowing 4 inches of side to side deck twist without gap.

6. SafeTFrame: Adjustable shim system consisting of four independently operated leveling feet capable of 1-1/2 inches of vertical adjustment each. System eliminates the need for installer to place and weld steel shim stock under the vertical uprights providing more consistent installation thus preventing a gap or (bump) between the rear transition angle and curb angle.

7. Counterbalance: Oil-tempered chromium silicon steel extension spring counterbalance with single adjustment point for high strength, durability, and easy walk-down.

8. Product Finish: Primed, followed by an enamel gray paint finish.

9. CLEAN FRAME® : Unique design allows access for easy pit clean out and routine maintenance.

10. "Nite-Lock": Permanent "Nite-Lock" to prevent unauthorized entry beneath locked overhead door is standard.

11. Toe Guard Protection: Working range toe guard protection is provided on both sides of the leveler.

12. Safety Legs: Structural safety legs provide emergency support should a truck depart with a load on the leveler platform. Design incorporates cam mechanism to limit interference from truck float.

13. Integral Maintenance Strut & Lip Support Latch: A permanently mounted, hinged, lockout capable maintenance strut and lip support latch are provided to support the lip and leveler during routine maintenance and pit cleaning.

14. Below-dock Control (Endloading): Front mounted lanyard facilitates below-dock endloading.

15. Out of Level Compensation: Leveler platform is designed to compensate for canted truck beds up to 4" and rear edge remains flush with the pit to eliminate pinch points.

16. Float Compensation: Allows for vertical carrier deflection when lip is in contact with truck bed.

17. Operation: Serco's "WL" mechanical leveler shall be supplied completely assembled with platform and lip mechanism and ready for use. Leveler to be operated by pulling release ring at rear of ramp; unit will raise, and lip will extend and hold. No manual lifting required. Unit shall be powered by extension springs with a single adjustment point. Operator to walk ramp down to truck bed. POSI-TRAC® hold-down shall hold unit in position. Unit will float with truck movement. Working range to be 12" above-dock and 12" below-dock for 6' and 8' long units, 12" above-dock and 12" below-dock for 10' long units. The lip extends a minimum of 11" beyond the face of a 4" bumper. After loading/unloading is complete, operator pulls and holds release chain until lip clears the truck bed. As leveler raises, lip will descend in a smooth, controlled manner. In stored position, ramp is fully supported by lip keepers.

18. Installation: Unit shipped completely assembled and ready for installation in pre-formed concrete pit. Pit depth is 20" for 6' and 8' long units, 24" for 10' long units. Pit construction to be in accordance with certified Serco pit detail drawings. Contact Serco for current cost and nearest distributor.

19. Limited Warranty: Limited parts & labor warranty on all components under normal use for a 1-year "Base Warranty Period" beginning on the completion of installation or the sixtieth (60th) day after shipment, whichever is earlier. Additional limited 4-year parts only warranty on main springs. Limited prorated 10-year structural warranty available upon engineering approval of written application.

20. Bumpers: Unit to include two model B410-14F (4" Thick x 14" W x 10" H) heavy-duty bumpers.

NOMINAL DIMENSIONS

MODEL	WIDTH	LENGTH
WL600	6'	6'
WL66.500	6'6"	6'
WL6700	7'	6'
WL800	6"	8'
WL86.500	6'6"	8'
WL8700	7'	8'
WL1000	6'	10'
WL106.500	6'6"	10'
WL10700	7'	10'

*24" pit depth standard on 10' dock levelers

