DESIGN HIGHLIGHTS

- Single Adjustment Point Extension Spring Counterbalance
- Field-proven Industrial Hold-Down Mechanism
- Automatic Lip Extension
- High Tensile Steel Lip, Deck & Beams
- Open Subframe Design
- Structural Steel Safety Legs
- Working Range Toe Guards
- Below-dock Endloading Capability
- 16" Lip Standard (406 mm)
- Integral Maintenance Strut & Lip Support Latch
- Heavy-duty B410-14F Dock Bumpers
- Reduced Lip Crown/Extended Lip Chamfer

AVAILABLE OPTIONS

- Factory Installed Brush Weatherseal
- Factory Installed Neoprene Weatherseal
- 18" Lip (457 mm)
- 20" Lip (508 mm)
- Lip Taper ________ (specify)
- 24" Pit Conversion (610 mm)
- Galvanized Finish (Deck, Lip & Subframe Only) (40k only)
- Spray Foam Insulated Deck
- High Lip Crown
- Full Operating Range Toe Guards
- Pit Option: For installation without preformed concrete pits, dock leveler supplied with integral pre-formed steel pan for pour-in-place construction. Dock leveler shall be in an enclosed steel pan 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.
- Other

ACCESSORIES

- Vehicle Restraint
- LED Light Communication System

BUMPER OPTIONS

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

CAPACITY

- 30K lb (13.6 Kg)
- 35K lb (15.8 Kg)
- 40K lb (18 Kg)
- 45K lb (20.4 Kg)

2. **Construction, Platform Assembly:** Platform constructed of high tensile steel safety tread deck plate. Structural members fully welded to front header. 40K & 45K lb. reinforced for three wheel traffic.

3. **Lip Assembly:** Lip to be 16" (406 mm) high tensile steel safety tread lip plate with beveled leading edge. Lip hinge to have full width structural front header and heavy wall tubing. Hinge tubes to have gussets on 35K & 45K lb. (15.8K & 20.4K kg) capacity. Lip hinge shaft to be a minimum of 1" (25 mm) solid steel on 30K-35K lb. (13.6K-15.8K kg), 1-¼” (32 mm) solid steel on 40K & 45K lb. (18K & 20.4K kg).

4. **Lip Extension:** Lip assist mechanism provides gentle lip activation and reduced walk-down loads.

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

6. **Product Finish:** Enamel gray finish.

7. **Open Subframe Design:** Unique design allows access for easy pit clean out and routine maintenance.

8. **“Nite-Lock”:** Permanent “Nite-Lock” to prevent unauthorized entry beneath locked overhead door is standard.

9. **Toe Guard Protection:** Working range toe guard protection is provided on both sides of the leveler. Yellow OSHA required markings IAW ANSIZ535.1 provided on the sides of the dock leveler.

10. **Safety Legs:** Structural safety legs provide emergency support should a truck depart with a load on the leveler platform.

11. **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.

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

13. **Out of Level Compensation:** Leveler platform is designed to compensate for canted truck beds up to 4" (101 mm) and rear edge remains flush with the pit to eliminate pinch points.

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

15. **Operation:** The model DE-M 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 of deck required. Unit shall be powered by extension springs with a single adjustment point. Operator to walk ramp down to truck bed. Field-proven industrial hold-down mechanism shall hold unit in position. Unit will float with truck movement. Working range to be 12" (305 mm) above-dock and 12" (305 mm) below-dock for 6' (1.83 m) and 8' (2.44 m) long units. The lip extends a minimum of 11" (279 mm) beyond the face of a 4" (100 mm) bumper. After loading unloading is complete, operator pulls and holds release chain until lip clears the truck bed. As leveler raises, lip will extend in a smooth, controlled manner. In stored position, ramp is fully supported by lip keepers.

16. **Installation:** Unit shipped completely assembled and ready for installation in pre-formed concrete pit. Contact your distributor for cost and installation details.

17. **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.

18. **Bumpers:** Unit to include two model B410-14F (4" (100 mm) Thick x 14" (356 mm) W x 10" (254 mm) H) heavy-duty bumpers.

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**DIMENSIONS**

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