

Mechanical Dock Leveler

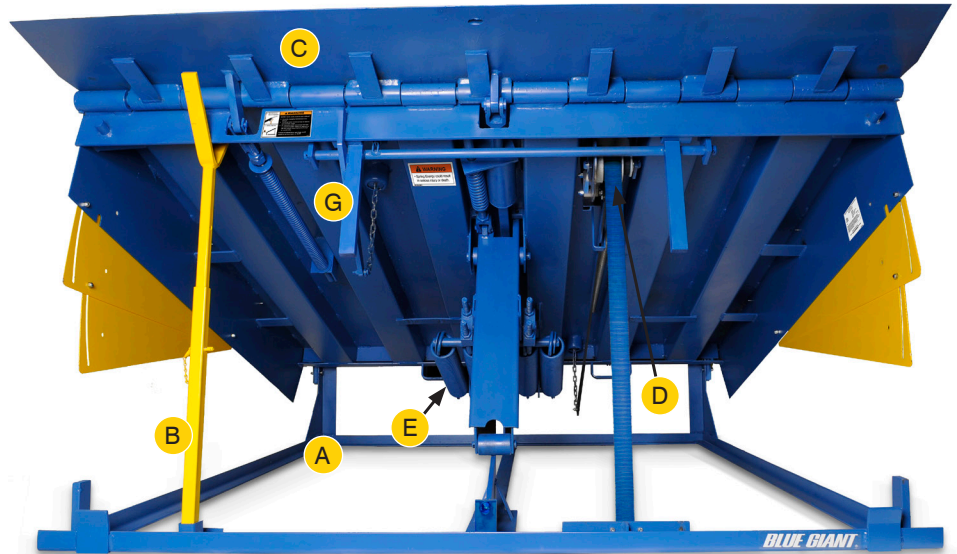
BLUE GIANT®

A stronger, safer solution...
for today's material handling challenges.

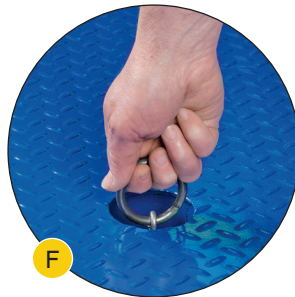
Available in
30,000, 35,000, 40,000, 45,000 and 50,000 lb
(13,636, 15,909, 18,144, 20,454 and 22,680 kg)
Rated Capacities

FEATURES INCLUDE:

- A Full Frame:**
Strategic design provides full deck support
- B Maintenance Strut:**
Supports both deck and lip for safe under-deck maintenance and inspections.
- C Yieldable Lip:**
Safely collapses if struck while extended.
- D Hold-down Assembly:**
Matches dock movement with trailer suspension.
- E Heavy-duty Lift Springs:**
Have a lifetime warranty.
- F Ergonomic Soft-pull Chain:**
Requires minimal force to deploy the deck.
- G Mechanical Fall-safe Legs:**
Limit platform free-fall.



U-Beam model shown.



ALSO AVAILABLE:

- 18", and 20" long lips
- Brush and rubber weather seals
- Full operating range metal toe guards
- Pour-in pan to facilitate new construction
- New construction pit kit



Easy to Operate

- Blue Giant mechanical dock levelers are easy to use: simply pull the release chain and let the heavy-duty main lift springs go into action.
- The deck rises up and the lip extends smoothly to the locked position. Then 'walk' the deck down to the truck bed and begin loading or unloading.

Powerful Hold-Down System

- Blue Giant offers three different hold-down systems for mechanical dock levelers: ratchet, disk brake and cable type.
- Each configuration offers secure hold throughout the dock operating range, keeping it in place both during use and while parked so that safety issues such as 'pop-ups' are prevented.
- All hold-down components are designed for superior holding, longer life, and automatic adjustment to changing trailer bed heights.

Structural Integrity

- U-beam channels are welded to the underside of the deck at dynamic impact points, preventing 'dishing' and prolonging the life of the dock leveler.
- The continuous one-piece headboard intensifies the strength of the deck's front structure. A single lip hinge pin enables a stronger distributed load.

Deck Flex Advantage

- Ideal for normal loading conditions, the fixed rear hinge design allows the deck to flex up to 4" (101mm) when under load to ensure full-width contact between the lip and the truck bed.
- The hinge remains flush with the floor to eliminate pinch points and cross traffic obstruction.

Designed with Safety in Mind

- If a truck leaves the dock unexpectedly or slides free of the lip plate, mechanical fall-safe legs prevent platform free-fall, minimizing the risk of worker injury and equipment damage.

The Blue Giant Advantage

U-Beam Mechanical Dock Leveler



With innovative features such as U-beam deck support and a highly efficient ratchet hold-down system, the Blue Giant U-Beam mechanical dock leveler has an industry-wide reputation for quality and performance.

Six U-beam channels enable a better load distribution. Twelve distributed load points make the deck less susceptible to permanent deflection and extend deck life by up to 50% compared to other beam structures.

I-Beam Mechanical Dock Leveler



The Blue Giant I-beam mechanical dock leveler is a heavy-duty workhorse that can meet the challenges of the busiest loading docks.

I-beam construction increases deck thickness at key impact points. Because the load distribution contact area is wider on each beam, structural integrity is firmly maintained and under-deck support is up to 500% more effective than alternate beam types.

Advance to the NEXT LEVEL

The optional features listed below will help you get the most out of your dock leveler.

LIGHT COMMUNICATION PACKAGES

The **Manual Light Communication Package** consists of an indoor and outdoor set of signal lights that are manually operated to communicate safety conditions to both workers and truck drivers. An advanced **Automatic Lights Communication Package** has a sensor that detects the dock's status and automatically signals when the dock is parked. Both packages minimize the risk of unscheduled truck departure and worker injury.



INCREASED SAFETY AND PERFORMANCE OPTIONS



Blue Giant hydraulic vehicle restraints hold trucks securely at the loading dock, improving safety levels during cargo handling operations. Our models are low-profile, have a wide restraining range, and can accommodate a wide variety of ICC bars, including those that are bent or damaged. Comes with the Blue Genius™ Gold Series II Vehicle Restraint Control Panel and traffic lights package.



Blue Genius™ Control Panel and traffic lights package come standard with Blue Giant hydraulic vehicle restraints.

ASSURED MOTION FLOAT



Over 75% of North American trucks are now equipped with air-ride suspension. To ensure compatibility with a broader variety of truck types, Blue Giant offers assured motion float, a 4" (102mm) maintained deck tilt, as an optional alternative to the standard fixed rear hinge. The floating action enables full-width contact between the lip and truck bed, preventing damage to forklift tires and cargo as well as lessening the jarring motion that

can cause back and neck injury to forklift drivers. With assured motion float, the dock leveler can accommodate heavier loads without experiencing deck fatigue, reducing maintenance requirements and prolonging the working life of the leveler. When in the parked position, the dock leveler is flush with the floor, eliminating concerns associated with trip hazard and cross-traffic obstructions.

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Blue Giant offers a full line of dock levelers, dock safety equipment, seals and shelters, accessories, ergonomic and scissor lift equipment and industrial trucks. Concurrent with our continuing product improvement program, specifications are subject to change without notice. Please contact Blue Giant for latest information. Some features illustrated may be optional in certain market areas.