

DOCK-GUARD™ Safety Gate

STRUCTURAL BARRIER GATE SPECIFICATIONS



Shown with left side operation (standard)

Design Highlights

- Manual or Powered Operation
- Protection for 8', 9' and 10' Wide Door Openings
- Capable of Stopping 15,000 lbs. Load at 4 MPH
- 30" High Barrier
- PLC Programmable Controller (DGB-P only)
- Steel NEMA 12 Push-button Control Panel (Interlock Capable) (DGB-P only)
- Electrical Reversing Edge on Barrier Arm (DGB-P only)
- Red/Green LED Interior & Exterior Light Communication System (DGB-P only)
- Left or Right Side Operation
- Painted Safety Yellow
- Independent of Dock Leveler

Project Information

Job Name _____
 Address _____
 General Contractor _____
 Distributor _____
 Model _____ Quantity _____ Voltage/Phase _____

Certified For Construction

By _____
 Company _____
 Address _____
 Date _____

Model

- DGB-M (Manual Models)
- DGB-P (Powered Models)

Application

- 8' Wide Door (**Standard**)
102" opening clearance
(Minimum 12' ceiling required)
- Optional 9' Wide Door
114" opening clearance
(Minimum 13' ceiling required)
- Optional 10' Wide Door
126" opening clearance
(Minimum 14' ceiling required)

Available Options (DGB-M Only)

- Fully Raised Limit Switch
(Required for interlocking with other equipment)
- Other _____

Available Options (DGB-P Only)

- Key Switch Operations
- Audible Alarm
- Other _____

Accessories

- Master or Combo Control Panel _____
- Other _____



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STRUCTURAL BARRIER GATE SPECIFICATIONS

MODEL	ACTIVATION	STANDARD FEATURES
DGB-M	Manual	Counter-balanced steel arm with steel supports, Dampened arm return
DGB-P	Powered	Selector switch operation (Raise/Auto/Lower), PLC programmable controller, Steel NEMA 12 Push-button Control Panel (Interlock Capable), Red/Green LED interior & exterior light communication system, Electric reversing edge on barrier arm

- General:** DGB series structural steel safety gate is capable of stopping a 15,000 lbs. load traveling at 4 mph. Standard model compatible with an 8' wide door opening, and requires a minimum 12' ceiling height free from obstructions. Optional models available for 9' wide door opening (13' clear ceiling height) and for 10' wide door opening (14' clear ceiling height). Unit to be manufactured by Serco.
- Construction:** Base Assembly constructed of high tensile steel tubing and structural steel plate.
- Arm Assembly:** Arm constructed of high tensile steel tubing.
- Counterbalance Assembly:** Arm counterbalanced by a high tensile steel spring.
- Power Unit:** On DGB-P powered unit, the arm is rotated by an electro-mechanical linear actuator.
- Reversing Edge:** On DGB-P powered unit, the arm is protected by an automatic electrically operated, reversing edge.
- Control Panel:** (DGB-P Only) Steel Interlock capable control box (14"W x 16"H) with programmable logic controller (PLC) and "real time" diagnostic capability, industrial quality push buttons, integral interior & exterior LED light communication system and printed operational instructions.
- Electrical:** (DGB-P Only) Gate and exterior lights operate on 24 volt circuit. Control panel requires 120 volt, single phase, 60 HZ supply. All components are UL listed.
- Product Finish:** Primed followed by safety yellow paint finish.
- DGB-M Operation:** Operator lifts up counterbalanced arm to the fully raised position freeing the dock area for loading and unloading operations. When those operations are complete, operator lowers the arm until it is fully seated in the saddle located on the base assembly.
- DGB-P Operation:** With the gate down, the red LED light on the interior control panel will be illuminated and the exterior LED light will be flashing green. The operator presses the RAISE button. The gate arm will rotate from its stored position to a vertical position. The green LED light on the interior control panel will illuminate while the exterior LED light will change from flashing green to red. Loading and unloading operations may now be performed. After these operations are complete, the operator presses the LOWER button. The gate will rotate from its vertical position to a horizontal stored/blocking position. The red LED light on the interior control panel will illuminate while the exterior LED light will change from flashing red to green, indicating to the truck driver it is safe to pull away from the dock.
- Installation:** Requires mounting of the bases, control panel, LED lights and caution signs in strict accordance with Serco installation instructions. Gate and lights must be wired to control panel. Gate and control panel to be electrically installed by others. Installation is recommended to be performed only by authorized Serco Distributors. Installation is not included unless specifically contracted for with Serco Distributor.
- Limited Warranty:** Serco warrants all components to be free of defects in material and workmanship, under normal use, for a limited 1-year base period from date of shipment in accordance with Serco Standard Warranty Policy. The "Base Warranty Period" will begin on the completion of installation or the sixtieth (60th) day after shipment.

