



1. Product Name

NOVA Defender Gate™ 10

2. Manufacturer

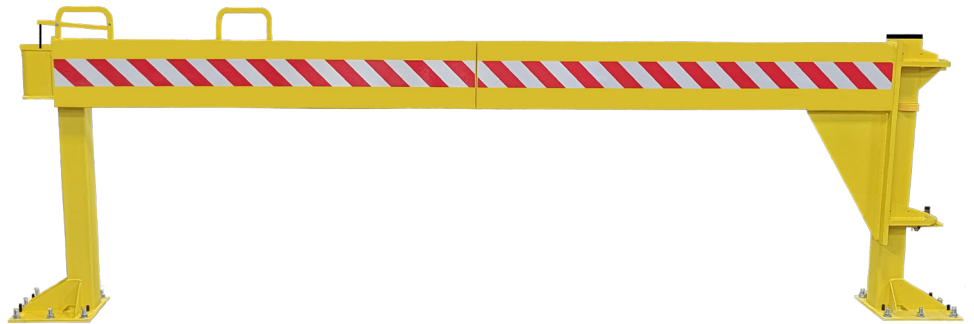
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3. Product Description

General Description

The NOVA Defender Gate™ 10 safety barrier is ideal for protecting equipment, pedestrian zones, hazardous areas, and other in-plant safety applications from accidental forklift impact. Its small footprint and compact design are functional in tight areas and cater to facilities where space is limited. The DG10 safety barrier is equipped with a single safety rail that stands 42-inches tall, heavy-duty bollards, and easy-glide hinges for effortless opening/closing.

NOVA offers a Safety Guard attachment that adds a barrier below the rail of the gate, extending 6-inches above the floor for crawl-through protection. This attachment also allows for installation at loading docks or other raised surfaces. The DG10, equipped with NOVA's Safety Guard, stops personnel and materials from entering restricted areas or falling off ledges. When paired with the Safety Guard attachments, the DG10 meets OSHA standards for fall protection.

NOVA offers a MID Rail attachment that adds a barrier 21-inches above the floor. When paired with the Mid Rail attachments, the DG10 meets OSHA standards for fall protection and can be installed at loading docks or other raised surfaces.

Operation

The NOVA Defender Gate™ 10 safety barrier is a manually operated gate that effortlessly folds in half with easy glide hinges and allows full pass-through clearance with its gate open at 90°. Simply open with the new built-in latch on grab handle for safe and efficient opening and closing.

Structural

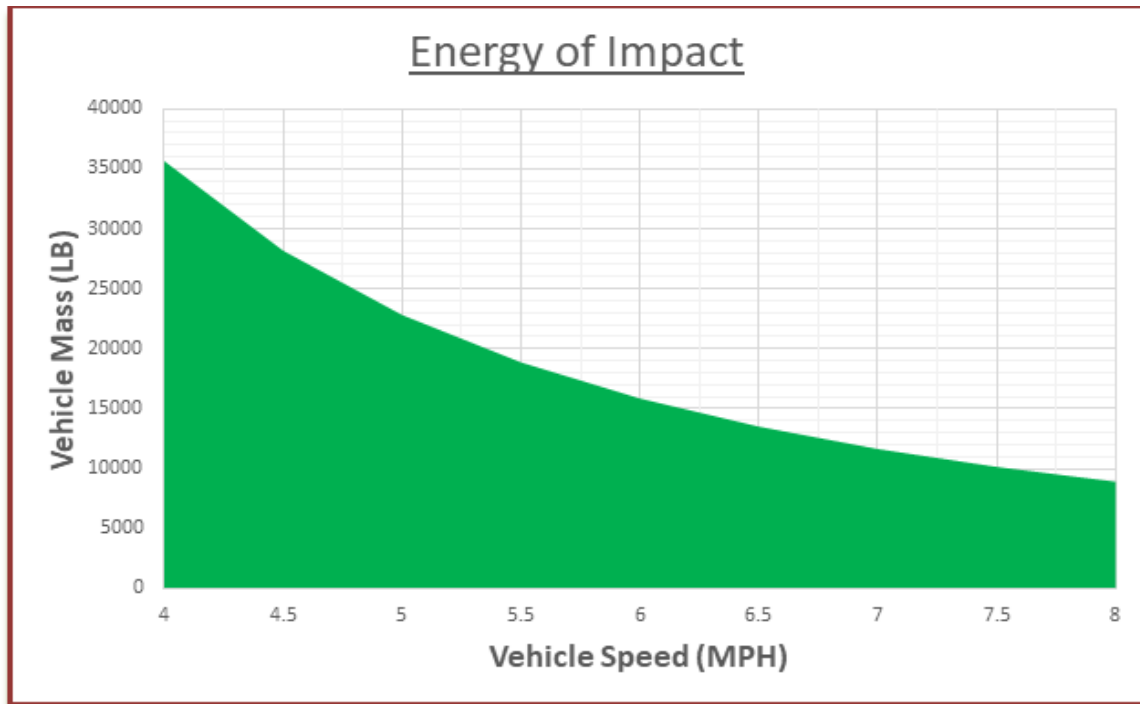
The bollards are constructed from 4-inch square, 3/16-inch thick A-500 Grade B steel tubing. The tubes are welded to 3/8-inch thick A-36 steel base plates and anchored to the floor with a total of (14) 5/8 × 6-inch long concrete anchor bolts, included. The main center sections of the gate are made from A-500 Grade B rectangular steel tubing, 10 × 3 × 1/8-inches thick, and joined in the middle with a center pin. The entire gate is powder coated safety yellow for optimal visibility and durability.

Based on its engineered design and proven by standardized testing the Defender Gate™ can stop a 13,500-pound forklift traveling at 6.5 mph. To better quantify the impact rating designation and provide a better degree of impact protection the Gate can be rated in terms of total Kinetic Energy absorbed.

The chart below helps understand the effects of various speeds and weights based on the Kinetic Energy absorbed. The Defender Gate™ is engineered to provide effective protection for any combination of vehicle mass and speed in the green shaded area of the chart.

Safety Features

- Protects equipment, pedestrian zones, hazardous areas, and in-plant safety applications
- Latch release on grab handle allows for faster, easier opening and closing



- Positive stop holds gate open without using moving parts
- Equipped with a single safety rail that stands 42-inches tall
- Powder-coated yellow finish with 3M® reflective tape
- Top grab handles keep hands away from pinch points

Standard Features

- Heavy-duty steel construction with self-lubricating hardware
- Allows full pass-through clearance with gate open at 90°
- Standard sizes available up to 10-feet
- Lockable latch (lock not included)
- All-steel construction with heavy-duty bollards
- Built-in leveling screws

Optional Features

- Safety Guard attachments and electronic interlock options available
- 21-inch Mid Rail attachment
- Custom sizes and configurations available

Benefits

- Requires little to no maintenance
- Easy to operate with minimal effort
- Ships in just three pieces (all hardware included)
- Its small footprint and compact design are ideal for smaller areas
- When paired with the Safety Guard attachment or the 21-inch Mid Rail attachment, the DG10 meets OSHA

standards for fall protection

- Stops a 13,500-pound forklift traveling 6.5 mph!

4. Technical Data

Applicable Standards

American Society for Testing Materials (ASTM)

- ASTM A36/A36M—Standard Specification for Carbon Structural Steel
- ASTM A370—Standard Test Methods and Definitions for Mechanical Testing of Steel products
- ASTM A500/A500M—Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes

Occupational Safety and Health Administration (OSHA)

- 29 CFR 1910.23(e)(3)(v)(b)—Occupational Safety and Health Standards, Walking-Working Surfaces, Guarding Floor and Wall Openings and Holes

Environmental Considerations

NOVA Technology uses environmentally friendly material in its packaging where available.

5. Installation

Product installation instructions are available online at www.novalocks.com.

6. Availability and Cost

Availability

NOVA Technology products and services are sold entirely through the NOVA Nationwide Dealer Network.

For a dealer in your area, routine service, preventative maintenance, product questions, or to request a quote, contact NOVA Technology.

Cost

Pricing information may be obtained from an authorized NOVA dealer.

7. Warranty

NOVA Technology warrants all of its manufactured products shall remain free of defects in material and workmanship under normal use for a period of one year from the date of shipment.

8. Maintenance

Product maintenance and operation are specific to product types and are available online at www.novalocks.com.

9. Technical Services

Technical assistance, including more detailed information, product literature, test results, project lists or assistance in preparing project specifications is available by contacting NOVA Technology.

10. Filing Systems

- ARCAT®
- Additional product information is available from the manufacturer upon request