

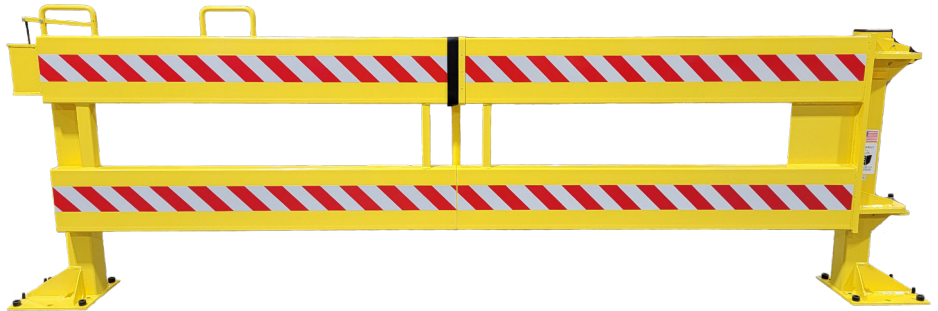


## 1. Product Name

NOVA Defender Gate™ 20

## 2. Manufacturer

NOVA Technology International, LLC  
W141N9240 Fountain Blvd  
Menomonee Falls, WI 53051



## 3. Product Description

### General Description

The NOVA Defender Gate™ 20 stands 42-inches tall and has the same compact footprint as the DG10, plus the addition of a heavy-duty double panel design for added safety. The DG20 is ideal for use at loading docks, pits or vats. Its lower bottom rung meets the OSHA 21-inch mid-rail requirement and meets OSHA standards for fall protection.

NOVA offers a Safety Guard attachment for the DG20 that adds a barrier above, between, and below the rails of the gate. The Safety Guard attachments reach 72-inches high and extend to 6-inches above the floor for overhead and crawl-through protection. With the addition of the Safety Guard, the DG20 protects elevated equipment, restricts access to dangerous areas, and stops personnel or materials from falling off ledges.

### Operation

The NOVA Defender Gate™ 20 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 use of 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

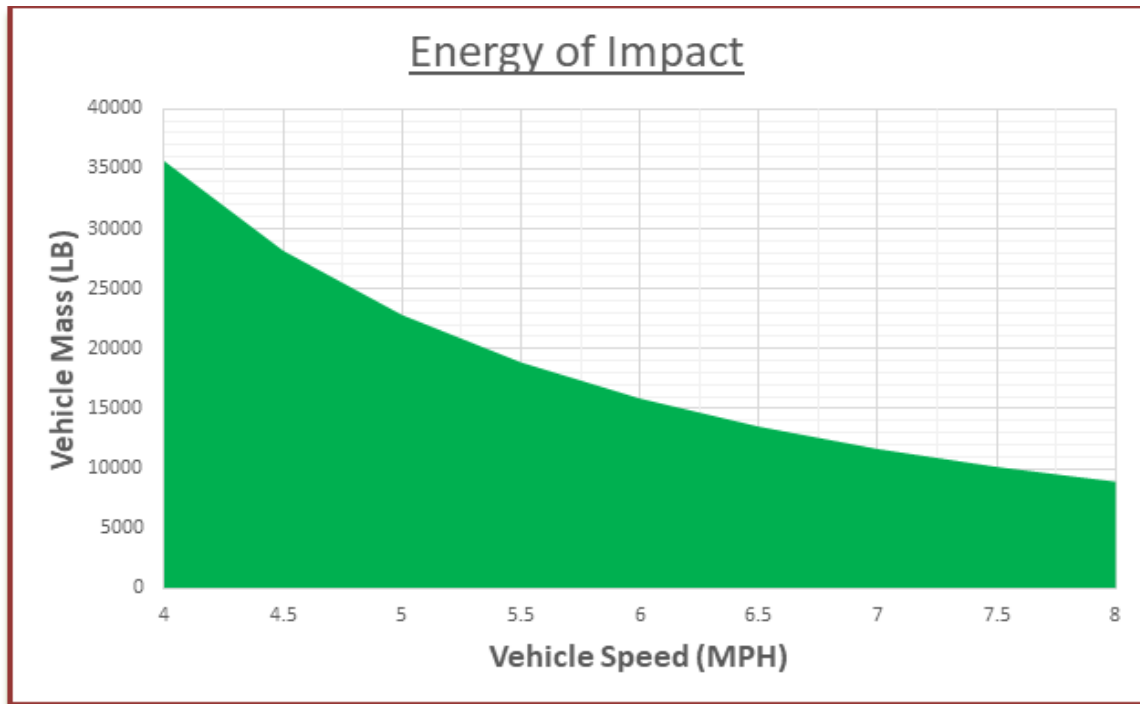
thick A-36 steel base plates and anchored to the floor with a total of (14) 5/8 × 6-inch long concrete anchor bolts, included. The main center sections of the gate are made from A-500 Grade B rectangular steel tubing, 10 × 3 × 1/8-inches thick, and joined in the middle with a center pin. The entire gate 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 elevated equipment, restricts access to dangerous areas, and stops personnel or materials from falling off ledges
- Safety Guard attachments and electronic interlock options available
- Latch release on grab handle allows for faster, easier opening and closing
- Positive stop holds gate open without using moving parts
- Safety Guard attachments reach 72-inches high and extend to 6-inches above the floor for overhead and crawl-through protection
- 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
- Upper and lower guardrails

### Optional Features

- Safety Guard attachments and electronic interlock options available
- Custom sizes and configurations available

### Benefits

- Easy to operate with minimal effort
- Ships in just three pieces (all hardware included)
- Offers the same compact footprint as the DG10, plus the addition of a heavy-duty double panel design for added safety
- Its lower bottom rung meets the OSHA 21-inch mid-rail requirement and the DG20 as a whole 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](http://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](http://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