

DuraGates cantilever gate hardware is a professional solution which avoids many of the maintenance problems with traditional sliding gates and satisfies all your requirements for installing a sliding gate, even with complicated applications or large dimensions. It is the perfect choice, with its complete line of accessories and a project configurator to calculate the correct dimensions for the gate and the foundation.

The hardware can be used on a variety of gate material including steel, aluminum, stainless steel, wood, chainlink and vinyl. We offer a full range of hardware for light gates weighing as little as 100 lbs to heavier ones weighing more than 4000 lbs. The hardware can accommodate an opening width of over 59 feet. The products are manufactured in Italy by Fratelli Comunello sPA, the leaders in their field for over 50 years.

The hardware combined with a range of the high quality BFT Gate Operators is truly a long lasting and complete solution for any sliding gate..

This specification section is provided in CSI-format, and intended to be included in the Project Manual for a construction project. Typically select the Model you require in Part 2 and delete the other models. We would be glad to assist in helping you select the right model for your project. Please call 800-784-7444.

## Section 32 31 32

### Sliding Gate Hardware:

#### Part 1 : General

##### 1.1 SECTION INCLUDES

- A. Sliding gate hardware (cantilever style) and accessories.

##### 1.2 RELATED REQUIREMENTS

- A. Section 05 50 00 - Metal Fabrications.
- B. Section 32 31 00 - Fences and Gates.

##### 1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's data sheets for each product specified.

- B. Shop Drawings: Submit shop drawings for gate hardware. Include plans, elevations, sections, details and attachments to other work

#### 1.4 QUALITY ASSURANCE

- A. Manufacturer: Provide products manufactured by a company with a minimum of 5 years successful experience manufacturing similar products.

#### 1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store and handle materials and products in compliance with manufacturer's instructions and recommendations. Protect from damage..

## Part 2 : Products

#### 1.6 SLIDING GATE HARDWARE

- A. Sliding Gate Hardware: Manufactured in Italy by Fratelli Comunello sPA as distributed by DuraGates; Tel. 800-784-7444; www.duragates.com, with the following characteristics:

1. Model CGS-350.8G, for gates ranging up to 4050 pounds, opening of 59.4 feet.
  - a. CGS-350.8G, large carriage monobloc body.
  - b. CGS-345G, large galvanized track.
  - c. CGS-347G, end wheel for track.
  - d. CGS-346G, bottom end cup for track.
  - e. CG-15G, adjustable wall mounting bracket.
  - f. CG-30G, upper adjustable end cup.
  - g. CG-348-M20, threaded tie rod for carriage.
  - h. CG-05G, foundation plate.
  - i. CGI-40, stainless steel tension bars.
  - j. Guides: As applicable to project:
    - 1) 255-220, adjustable guiding plate for 1-1/4 to 2-3/8 inch frames.
    - 2) 255-350, adjustable guiding plate for 2-3/8 to 3-3/8 inch frames.
    - 3) CG-251, adjustable guiding plate for 2-3/4 to 4-3/8 inch frames.
    - 4) CG-252, adjustable support roller.
    - 5) CG-254, monorail for CG-252.
    - 6) 253, 10 inch nylon roller for support, minimum 2 per gate.

2. Model CGS-350.8P, for gates ranging up to 1700 pounds, opening of 26.4 feet.
  - a. CGS-350.8P, medium carriage monobloc body.
  - b. CGS-345P, medium galvanized track.
  - c. CGS-347P, end wheel for track.
  - d. CGS-346P, bottom end cup for track.
  - e. CG-15P, adjustable wall mounting bracket.
  - f. CG-30P, upper adjustable end cup.
  - g. CG-348-M16, threaded tie rod for carriage.
  - h. CG-05P, foundation plate.
  - i. CGI-40, stainless steel tension bars.
  - j. Guides: As applicable to project:
    - 1) 255-220, adjustable guiding plate for 1-1/4 to 2-3/8 inch frames.
    - 2) 255-350, adjustable guiding plate for 2-3/8 to 3-3/8 inch frames.
    - 3) CG-251, adjustable guiding plate for 2-3/4 to 4-3/8 inch frames.
    - 4) CG-252, adjustable support roller.
    - 5) CG-254, monorail for CG-252.
    - 6) 253, 10 inch nylon roller for support, minimum 2 per gate.
  
3. Model CGS-250.8P, for gates ranging up to 1300 pounds, opening of 19 feet.
  - a. CGS-250.8P, medium carriage multiplate body.
  - b. CGS-245P, medium galvanized track.
  - c. CGS-347P, end wheel for track.
  - d. CGS-346P, bottom end cup for track.
  - e. CG-15P, adjustable wall mounting bracket.
  - f. CG-30P, upper adjustable end cup.
  - g. CG-348-M16, threaded tie rod for carriage.
  - h. CG-05P, foundation plate.
  - i. CGI-40, stainless steel tension bars.
  - j. Guides: As applicable to project:
    - 1) 255-220, adjustable guiding plate for 1-1/4 to 2-3/8 inch frames.
    - 2) 255-350, adjustable guiding plate for 2-3/8 to 3-3/8 inch frames.
    - 3) CG-251, adjustable guiding plate for 2-3/4 to 4-3/8 inch frames.
    - 4) CG-252, adjustable support roller.
    - 5) CG-254, monorail for CG-252.
    - 6) 253, 10 inch nylon roller for support, minimum 2 per gate.

4. Model CGS-250.8M, for gates ranging up to 900 pounds, opening of 13 feet.
  - a. CGS-250.8M, small carriage multiplate body.
  - b. CGS-245M, small galvanized track.
  - c. CGS-347M, end wheel for track.
  - d. CGS-346M, bottom end cup for track.
  - e. CG-15M, adjustable wall mounting bracket.
  - f. CG-30M, upper adjustable end cup.
  - g. CG-348-M16, threaded tie rod for carriage.
  - h. CGI-40, stainless steel tension bars.
  - i. Guides: As applicable to project:
    - 1) 255-220, adjustable guiding plate for 1-1/4 to 2-3/8 inch frames.
    - 2) 255-350, adjustable guiding plate for 2-3/8 to 3-3/8 inch frames.
    - 3) CG-251, adjustable guiding plate for 2-3/4 to 4-3/8 inch frames.
    - 4) CG-252, adjustable support roller.
    - 5) CG-254, monorail for CG-252.
    - 6) 253, 10 inch nylon roller for support, minimum 2 per gate.
  
5. Model CGA-350P (aluminum) for gates ranging up to 708 pounds, opening of 26.4 feet.
  - a. CGA-350P, medium carriage for aluminum gate, 5 nylon wheels.
  - b. CGA-345P, aluminum track.
  - c. CGA-347P, end wheel for track.
  - d. CGS-346P, bottom end cup for track.
  - e. CG-15P, adjustable wall mounting bracket.
  - f. CG-30P, upper adjustable end cup.
  - g. CG-348-M16, threaded tie rod for carriage.
  - h. CGI-40, stainless steel tension bars.
  - i. Guides: As applicable to project:
    - 1) 255-220, adjustable guiding plate for 1-1/4 to 2-3/8 inch frames.
    - 2) 255-350, adjustable guiding plate for 2-3/8 to 3-3/8 inch frames.
    - 3) CG-251, adjustable guiding plate for 2-3/4 to 4-3/8 inch frames.
    - 4) CG-252, adjustable support roller.
    - 5) CG-254, monorail for CG-252.
    - 6) 253, 10 inch nylon roller for support, minimum 2 per gate.

6. Model CGA-350.5M (aluminum) for gates ranging up to 550 pounds, opening of 16 feet.
  - a. CGA-350.5M, small carriage for aluminum gate, 5 nylon wheels.
  - b. CGA-345M, aluminum track.
  - c. CGA-347M, end wheel for track.
  - d. CGA-346M, bottom end cup for track.
  - e. CG-15M, adjustable wall mounting bracket.
  - f. CG-30M, upper adjustable end cup.
  - g. CG-348-M16, threaded tie rod for carriage.
  - h. CGI-40, stainless steel tension bars.
  - i. Guides: As applicable to project:
    - 1) 255-220, adjustable guiding plate for 1-1/4 to 2-3/8 inch frames.
    - 2) 255-350, adjustable guiding plate for 2-3/8 to 3-3/8 inch frames.
    - 3) CG-251, adjustable guiding plate for 2-3/4 to 4-3/8 inch frames.
    - 4) CG-252, adjustable support roller.
    - 5) CG-254, monorail for CG-252.
    - 6) 253, 10 inch nylon roller for support, minimum 2 per gate.

## Part 3 : Execution

### 2.1 PREPARATION

- A. Prepare substrates using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions. Do not proceed with installation until substrates have been properly prepared. Commencement of installation constitutes acceptance of conditions.

### 2.2 INSTALLATION

- A. Install products in strict compliance with manufacturer's recommendations.
- B. Adjust gates to operate smoothly, easily and quietly, free of binding, warp or excessive distortion.
- C. Lubricate hardware and moving parts as recommended by manufacturer

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