



Series 8050 Door Closer

Adjustable Spring Power – Surface Mounted

Part 1 GENERAL

1.1 SECTION INCLUDES

- A. Series 8050 Door Closer (Handicapped approved and UL listed)
- B. Features:
 - 1. ADA (Handicap) multi-sized closer with adjustable spring power:
 - 8051** - 8½ lbs opening force to a size 5
 - 8052** - 5 lbs opening force to a size 4
 - 8053** - 5 lbs opening force to a size 4
 - 8054** - 8½ lbs opening force to a size 5
 - 2. Closer Functions:
 - Series 8051** - Adjustable spring power with adjustable Back-Check controlled by a separate regulating valve, adjustable after installation
 - Series 8052** – Adjustable spring power with adjustable Delayed Closing Action controlled by a separate regulating valve, adjustable after installation
 - Series 8053 / 8054** – Basic, adjustable spring power only
 - 3. Rack and pinion mechanism contained in a high tensile precision cast aluminum housing
 - 4. Stable hydraulic door check fluid for any climate operation. Using a fire resistant oil with an operating range from -43.6°F (-42°C) to 140°F (60°C)
 - 5. Universal application. Non-handed for standard, top jamb or parallel arm installation
 - 6. Hold-open arms are adjustable for holding from 90° to 180°
 - 7. Furnished with regular, hold-open or fusible link hold-open arms
 - 8. Two speed control valves allow closing and latching speeds to be controlled by separate valves; fully adjustable after installation
 - 9. Numerous accessories are available to allow for special installations or adaptability
 - 10. Attractive “automotive type” finishes: Aluminum (AL), BZ Hardware Bronze (Gold) or (DU) Storefront Bronze

1.2 REFERENCES

- A. ANSI A117.1 – Barrier Free Operation to comply with Federal Accessibility Standards (ADA)
- B. ANSI A156.4 – Factory tested to meet or exceed standard for Grade #1
- C. UL 10C and UBC 7-2 (1997) Fire Safety and Fire Endurance tested
- D. Underwriters Laboratories (UL/C) listed – Fire Resistance Directory

1.3 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations
 - 2. Storage and handling requirements and recommendations
 - 3. Installation methods
- B. Shop Drawing: Manufacturer's approved drawings detail the application
- C. Section Samples: Samples are available depicting the finish types
- D. Verification Samples: For the finish product specified, two full size samples representing the actual product, color and size

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Series 8050 will be provided by a single manufacturer with over 30 years of experience in door closers

1.5 DELIVERY, STORAGE AND HANDLING

- A. Store products in manufacturer's unopened packing until ready for installation
- B. No harsh chemicals are used during this process, so no special handling or disposal is required

1.6 PROJECT CONDITIONS

Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by the manufacturer for optimum results. Do not install this product if environmental conditions are outside the manufacturer's limits.

1.7 WARRANTY

After project completion, the owner or owner's representative will receive a copy of the Manufacturer's Limited Warranty against manufacturing defects. The duration of this warranty is 5 years.

PART 2 PRODUCTS

2.1 MANUFACTURER

International Door Closers, Inc (Manufacturers' Rep):

1140 N Kraemer Pl, Anaheim, CA 92806 (800) 544-4422
1920 Air Lane Dr, Nashville, TN 37210 (800) 225-6737

2.2 DOOR CLOSER

Series 8050

Adjustable Spring Power – Surface Applied

<u>Description</u>	<u>Dimensions</u>
Length of Closer	9-3/4"
Horizontal Mounting Holes	9-1/16"
Vertical Mounting Holes	3/4"
Overall Height	4-21/32"
Height of Closer	1-21/32"
Projection from Door	2-29/32"
Top of Door to Bottom of Closer	2-1/16"

Optional Accessories:

- Top Jamb Forearm Extender
- Parallel Brackets
- Flat Drop Bracket
- Top Jamb Bracket
- Dress Cover
- Thru Bolt and Grommet Nuts (Set of 4 each)

PART 3 EXECUTIONS

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared
- B. If the substrate is the responsibility of another installer, notify the Architect of any unsatisfactory preparation before proceeding

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions

3.4 PROTECTION

- A. Protect installed products until completion of project
- B. Repair or replace any damaged products before substantial completion

END OF SECTION