



Series 200-SA Handicap and Standard Concealed Overhead Door Closer for All Glass Doors

Part 1 GENERAL

1.1 SECTION INCLUDES

- A. Series 200-SA Door Closer Standard and Handicapped approved (UL listed)
- B. Features:
 - 1. ADA (Handicap) multi-sized closer
 - 2. Standard spring tensions available: Medium and Heavy
 - 3. Closers designed for all glass doors with a longer spindle and short arm
 - 4. Stable hydraulic fluid for any climate operation. Using fire resistant fluid with an operating range from -43.6°F (-42°C) to 140°F (60°C).
 - 5. The cast iron body fits in an aluminum header or transom bar as small as 1 3/4" x 4"
 - 6. Two adjustment valves allow closing and latching speeds to be controlled by separate valves and is fully adjustable after installation
 - 7. This unit can be mounted on Center Hung Doors
 - Double or Single Acting Door (Door stop applied to frame renders unit Single Acting). "A" type short end loading top arm supplied for smaller top rail applications, and a spindle length of 3/4".
 - 8. Positive centering for alignment and to hold door closed against any normal wind or draft
 - 9. Adjustable dual purpose Bottom pivot set is standard. Adjustable Floor and Threshold mount Bottom Pivots sets are optional.
 - 10. Built-in positive back stop and hold-open positions available:

1.2 REFERENCES

- A. ANSI A117.1 – Barrier Free Operation to comply with Federal Accessibility Standards (ADA)
- B. UL 10C and UBC 7-2 (1997) Fire Safety and Fire Endurance tested
- C. Underwriters Laboratories UL/C) listed – Fire Resistance Directory

1.3 SUMITTALS

- 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

1.3 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Series 300 will be provided by a single manufacturer with over 30 years of experience in door closers

1.4 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

1.5 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.

1.6 WARRANTY

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

PART 2 PRODUCTS

2.1 MANUFACTURER

International Door Closers, Inc (Manufacturer's Rep) with locations:

1140 N. Kraemer Pl, Anaheim, CA 92806 (800) 544-4422
1920 Air Lane Dr, Nashville, TN 37120 (800) 225-6737

2.2 DOOR CLOSER

Series 200-SA, Concealed Overhead

<u>SPRING TENSION</u>	<u>TYPE</u>	<u>MODEL</u>
MEDIUM	105° Back Stop with Hold-Open	230-SA
	105° Back Stop – no Hold-Open	231-SA
	90° Back Stop with Hold-Open	232-SA
	90° Back Stop – no Hold-Open	233-SA
HEAVY	105° Back Stop with Hold-Open	240-SA
	105° Back Stop – no Hold Open	241-SA
	90° Back Stop with Hold Open	242-SA
	90° Back Stop – no Hold Open	243-SA

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 results 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