

Series 200-SA



Closers designed for
All Glass Doors with
a longer spindle and
short arm.

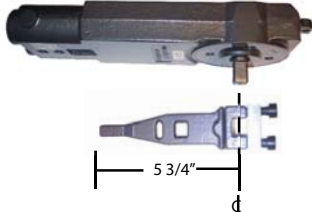


FEATURES



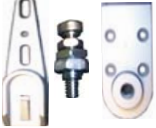

- Underwriters' Laboratories Inc. Listed - units without built in hold open.
- **CENTER HUNG DOORS:** Double or Single Acting Door (Door stop applied to frame renders unit Single Acting). "A" type short end loading top arm supplied for smaller top rail applications.
- 3/4" spindle length for better door support.
- Built in positive back stop and hold-open positions available:
 - 105° Back Stop with Hold-Open
 - 105° Back Stop - no Hold-Open
 - 90° Back Stop with Hold-Open
 - 90° Back Stop - no Hold-Open
- Standard spring tensions available:
 - MEDIUM**
 - HEAVY**
- Two speed control Valves: Closing and Latching speeds controlled by separate regulating valves, fully adjustable after installation.
- Adjustable 3010-DP dual purpose radial ball-bearing bottom pivot set is provided for floor or threshold mounted (end loading) center pivoted installation.
- Cast Iron Body fits in aluminum header or transom bar as small as 1-3/4" x 4".
- Positive centering for alignment and to hold door closed against any normal wind or draft.
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- 5-3/4" Short "A" Arm (measured from center line of spindle to end of arm).

CENTER HUNG DOORS: Complete units for glass doors are furnished with top arm assembly (adjustable "A" type short end loading arm), adjustable dual purpose 3010-DP bottom pivot set for floor or threshold mounting (end loading), and 3010-FS anchor set with all fasteners.

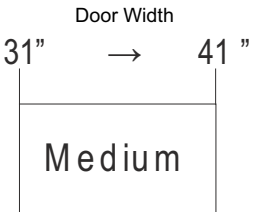
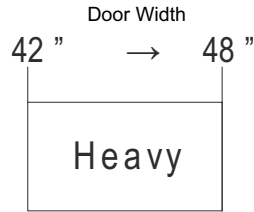
MODEL DESCRIPTION

	SPRING TENSION	TYPE	MODEL
	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

PARTS - ACCESSORIES

	DESCRIPTION	PART NUMBER
 <p>Body Only</p>	Specify: Spring Tension and degree of Back Stop and Hold Open	2000-B-31-
	"A" Short Type End Loading Arm (1" Depth Top Rail)	3010-SA
	Adjustable Dual Purpose Bottom Pivot Set	3010-DP
	Anchor Set	3010-FS

SELECTION GUIDE

SPRING TENSION	MODEL NUMBER	SIZE CHART
MEDIUM	230-SA 231-SA 232-SA 233-SA	
HEAVY	240-SA 241-SA 242-SA 243-SA	

Sizes may vary due to door weight, stack pressure in the building, and wind conditions.

WARRANTY : Refer to inside front cover

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