

Standard Overhead Concealed Closers Hydraulic Door Closers

CA2200 OHC Series



FEATURES

- Underwriters' Laboratories Inc. Listed for units without hold open feature. UL10C for positive pressure and certified to conform to UBC 7.2 (1997) BS476 for Fire Safety.
- **Center Hung Door Application :**
Double or Single Acting (applied door stop renders unit Single Acting). Adjustable 'S' type side loading or 'A' type, 'K' type, and 'PT' type end loading arms are available for center pivoted door applications.
- **Offset Hung Door Application :**
Single Acting Offset 'JO' and 'VO' type top arms are available for butt hung or offset pivoted applications.

DOOR CLOSER FUNCTIONS

- Built-in positive Back Stop and Hold-Open positions are 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
- Handicap (ADA) spring tensions available for use on center pivoted door applications :



5.0 lb. Opening Force (Center Hung door)
8.5 lb. Opening Force (Center Hung door)

- Standard Fixed spring tensions available:
 - Light
 - Medium
 - Heavy
- **Dual Speed Control Valves :**
Closing and Latching speeds controlled by separate regulating valves, fully adjustable after installation.
- Adjustable CA3010-DP dual purpose radial ball-bearing bottom pivot set is provided for floor or threshold mounted (Side or End Loading) center pivoted installation. CA3010-G and CA3010-GE bottom pivot sets are optional, and must be ordered separately.
- Universal application. Non-handed for left or right door application.
- Installs in an aluminum storefront header or transom as small as 1-3/4" x 4"
- Positive cam centering for alignment and to hold door closed against normal wind or draft conditions.
- Stable hydraulic door check fluid for any climatic operation and provides constant lubrication.

ADA Opening Force Requirements

Caution: Any manual door closer, installed and adjusted based on ADA or other reduced opening force requirements may not provide sufficient power to reliably close and latch the door.



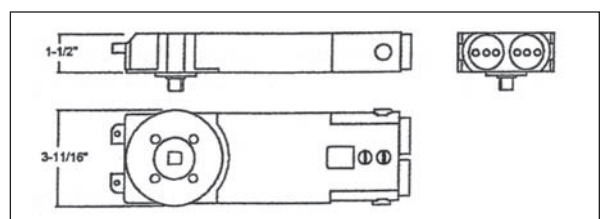
Center Hung Doors : Complete units for aluminum doors and frames are furnished with top arm assembly ('S' side loading, 'A', 'K', or 'PT' end loading), adjustable dual purpose CA3010-DP bottom pivot set for floor or threshold mounting (side or end loading), and CA3010-FS anchor set with all fasteners.

'S' type side loading top arm, CA3010-DP adjustable dual purpose pivot set, and the CA3010-FS anchor set will be furnished unless otherwise specified by the customer.

'A' type, 'K' type or 'PT' type end loading, and 'JO' or 'VO' type offset arms are optional, but must be specified.

Offset Hung Doors : Complete units for offset pivoted or butt hung aluminum doors and frames are furnished with a 'JO' or 'VO' type offset arm and CA3010-FS anchor set with all fasteners. (Offset pivots or butt hinges not included. Note: Top Door Stop / Arm Cover by others).

CLOSER OVERVIEW (CA2200 SERIES)



OHC CLOSER DOOR SIZE CHART AND SCHEDULE OF MODELS & TYPES

NOTE:

Doors of sizes over the schedule, or excessive weight, or doors subject to severe wind or draft conditions, or abusive usage, may require the next stronger spring tension model closer.

SPECIFY:



Door Closer Model Number and type of Top Arm, Anchor Set, and / or Bottom Pivot Set.

SPECIFY FINISH:

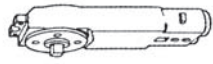

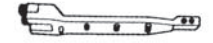









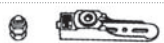
For CA3010-JO or the CA3020-VO Offset Arms:
AL - Aluminum
DU - Storefront Bronze

WARRANTY:

Refer to inside of the Catalog Front cover page.

DOOR SIZE	SPRING TENSION	TYPE FUNCTION	"S" "A" "K" OR "PT" ARM	"JO" OR "VO" OFFSET ARM
From 36" to 48" X 96"	ADA 5 lb. HANDICAP SPRINGS 	105° Back Stop with Hold-Open	2200	N/A
		105° Back Stop -no Hold-Open	2201	N/A
		90° Back Stop with Hold-Open	2202	N/A
		90° Back Stop -no Hold-Open	2203	N/A
From 36" to 48" X 96"	ADA 8-1/2 lb. HANDICAP SPRINGS 	105° Back Stop with Hold-Open	2210	N/A
		105° Back Stop -no Hold-Open	2211	N/A
		90° Back Stop with Hold-Open	2212	N/A
		90° Back Stop -no Hold-Open	2213	N/A
Up to 30" X 96"	LIGHT SPRINGS	105° Back Stop with Hold-Open	2220	2220 x JO or VO
		105° Back Stop -no Hold-Open	2221	2221 x JO or VO
		90° Back Stop with Hold-Open	2222	2222 x JO or VO
		90° Back Stop -no Hold-Open	2223	2223 x JO or VO
31" to 41" X 96"	MEDIUM SPRINGS	105° Back Stop with Hold-Open	2230	2230 x JO or VO
		105° Back Stop -no Hold-Open	2231	2231 x JO or VO
		90° Back Stop with Hold-Open	2232	2232 x JO or VO
		90° Back Stop -no Hold-Open	2233	2233 x JO or VO
42" to 48" X 96"	HEAVY SPRINGS	105° Back Stop with Hold-Open	2240	2240 x JO or VO
		105° Back Stop -no Hold-Open	2241	2241 x JO or VO
		90° Back Stop with Hold-Open	2242	2242 x JO or VO
		90° Back Stop -no Hold-Open	2243	2243 x JO or VO

CA2200 SERIES PARTS and ACCESSORIES

Description		Part Number
Unit Body Only (Specify: Spring Tension, Type & Function)		CA2200-B
"S" Type Side Loading Top Arm Assembly (1/2" Depth Top Rail)		CA3010-S
"A" Type End Loading Top Arm Assembly (1" Depth Top Rail)		CA3010-A
"K" Type End Loading Top Arm Assembly (5/8" Depth Top Rail)		CA3010-K
"PT" Type End Loading Top Arm Assembly (7/8" Depth Top Rail)		CA3010-PT
"JO" Type Offset Top Arm Assembly (Mortised Type, Cut down into 9/16" Depth Top Rail)		CA3010-JO
"VO" Type Offset Top Arm Assembly (Surface Type, Requires 7/8" Depth Top Rail)		CA3020-VO
Anchor Set (Standard - for Snap together Header)		CA3010-FS
Anchor Set (Optional - for Full tube Cut Away Header)		CA3010-FK
Corner Anchor Clip ("F" Clip Only)		CA3010-F
Adjustable Dual Purpose Bottom Pivot Set (Standard)		CA3010-DP
Adjustable Floor Mount Bottom Pivot Set (Optional)		CA3010-G
Adjustable Threshold Mount Bottom Pivot Set (Optional)		CA3010-GE



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