# **DOOR CONTROLS** LOCKS, HARDWARE, AND ACCESSORIES

### CAT. NO. **DC14**

**08 71 00** DOOR HARDWARE **08 74 00** ACCESS CONTROL HARDWARE



# **A Letter From The President**

C.R. Laurence (CRL) offers an extensive range of door control hardware for all your entrance door systems needs. To better serve our customers, we've acquired United States Aluminum, Jackson Corporation, and Blumcraft of Pittsburgh.

Originally founded in 1960, United States Aluminum offers the glass and glazing industry a broad range of high-quality entrance doors, storefront, and curtain wall products available through a network of customer-focused service centers. Through precise engineering and testing in a variety of climate conditions, United States Aluminum improved upon their designs, resulting in architectural systems known throughout the industry as being innovative, durable, and reliable. Now renamed simply U.S. Aluminum in its new partnership with C.R. Laurence, the company will continue to make available the architectural systems that have made them a leader in the industry for so long.

Jackson has been a leading manufacturer of door hardware for the aluminum and tempered glass door industry for over 50 years. In 1995 they became the first U.S. hardware manufacturer to be certified to ISO 9001 quality standards. The manufacturing operations are housed in our new facility in Los Angeles, and Jackson products are distributed through our worldwide network of CRL owned Service Centers.

Blumcraft of Pittsburgh has been an icon in the architectural metal and glass industry for over 95 years. The company's tempered glass doors, unique panic hardware, hand rails, and display doors are well known to architects, contractors, and installers in their building trades. Blumcraft products have been installed in more than 80,000 buildings throughout the world, including the White House, the Smithsonian Institute, the Metropolitan Museum of Art, the Louvre in Paris, and many other prestigious buildings that demand nothing but the best products.

We've made investments and enhancements in all of these operations to increase capacity, improve the service level, and upgrade quality, design, and product assortment. This growth furthers our goal to provide products of the highest quality and value, and to maintain our leadership position in the glazing and architectural hardware industries.

In this catalog you will find the largest selection of Surface Mounted, Overhead Concealed, and Floor Mounted Door Closers, Aluminum Door Headers, Pivots, Access Control Handles, Locking Hardware, Panic Exit Devices, Push/Pull Handles, Hinges, Thresholds, and Mail Slots.

CRL supports our extensive product lines with dedicated Technical Sales Departments providing superior customer service and resources to keep our customers on the cutting edge of technology. You can send e-mail requests for quotes or product information from the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Door and Window Products.

We are determined to provide whatever products you need to see that your business is as successful as it can be. With your continued support we will provide the best service and products available now and into the future. Let's continue our success together.





Lloyd W. Talbert President and C.O.O. C.R. Laurence Co., Inc.









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# **CRL DOOR CLOSERS**

# What's the Right Door Closer for the Job?

When selecting a door closer, the first consideration should be if the closer is intended to replace an existing one, or if it is for a new installation. If it is a replacement door closer, what is your customer asking you to provide? An exact match that meets all the specifications and dimensions of the existing closer, or are you expected to upgrade the existing closer with one that will meet their current needs?

It is important to note the existing door closer's physical size, brand or markings (if available), mounting hole dimensions and spring size. You should note the type of door and its physical dimensions as well. Also, how will this closer be mounted? Are all of the necessary accessory items, such as drop plates, door arms or special brackets usable, or will they need to be replaced?

Popular types of door closers are Surface Mounted, Overhead Concealed, and Floor Mounted. Surface Mounted Closers are the most common and least expensive to install. They are readily available, and take very little time and effort to mount. They are easily replaced, and provide a wide variety of features and options that are sometimes not found on other types of closers. Overhead Concealed Closers mounted in the header are commonly used with storefront applications using aluminum frames and doors. They offer a non-obtrusive, economical means of controlling a door without the expense and corrosion factors associated with Floor Mounted Closers, which are the most expensive to install, and are often subject to premature failure due to corrosion. However, Floor Mounted Closers must be considered when dealing with heavy doors or high foot traffic. They provide the most efficient mechanical means of controlling a door, and are able to sustain the most abuse.



Once the proper closer type has been selected, there are some important decisions that need to be made regarding the spring size, grade, and desired options and features. Is the door located on the outside or inside? What type of locking device will be used? What type of weather seals and internal building pressures will the closer need to overcome to close the door? The wider and heavier the door, the larger the spring size required to control the door. Remember it is called a door "closer", so therefore you are attempting to control and close the door, yet allow for a reasonable force required to open the door. Closers are rated by spring size, commonly expressed as Size 1, 2, 3 and up through Size 6. Most closers are of a fixed single size that cannot be altered, and are made to be used for a specific range of door sizes. Today, more and more closers are being manufactured to allow the spring size to be adjusted to the precise opening and closing force required to control the door under varying conditions, and cover a wide range of door sizes and applications. These adjustable closers allow you the best opportunity to meet your customers needs.

Always remember that a Door Closer should never be used as a doorstop. An auxiliary doorstop is always recommended when a positive stop is required to prevent the door from opening beyond a specified point. Regardless of which door closer is selected, take the time to review the instructions and learn the proper procedure to install and adjust it.



Surface Mounted







Floor Mounted



# CRL DOOR CLOSERS

# **General Door Closer Terminology**

Action - Defines the ability of the door closer to swing one way (Single Action) or both ways (Double Action).

Adjustable Spring Power - Adjustable spring tension that allows a single door closer to handle a wide range of door sizes and applications.

A.D.A. - Americans with Disabilities Act. Federal legislation that specifies guidelines to eliminate barriers to handicapped access and mobility.

**Backcheck** - Feature that provides dampening or slowing of the door opening speed at approximately 60 to 85 degrees of opening to prevent damage to the door, the frame, or to an adjacent structure.

**Barrier-Free** - Term used to identify door closers that meet guidelines corresponding to the Americans with Disabilities Act (A.D.A.) and ANSI A117.1 Specifications. Barrier-Free guidelines include maximum opening forces and power-assist capabilities.

Center-Hung - Door pivot point at center of jamb, therefore, depending on the pivot type, will allow the door to swing both in and out.

Dead-Stop - Auxiliary hardware or special door closer feature that limits the maximum degree of door swing to a specified point.

**Delayed Action** - Feature that causes the door to slow or delay closing, usually down to approximately 70 degrees to allow unrestricted passage. The delay time is normally adjustable.

Efficiency - Percentage of closing force in relation to opening force provided by the door closer to close the door.

Fixed Spring Size - Single fixed spring tension that is not adjustable. Intended to handle a specific range of door sizes.

Handing - Determined by the swing of the door. Left Hand, Right Hand, Left Hand Reverse Bevel, or Right Hand Reverse Bevel.

Hold Open - Feature that allows the door to remain open at a preset position. Depending on the type of door closer and accessories, the hold open position may be adjustable.

Latch Speed - The closing speed from approximately 10 to 15 degrees from the closed position. This speed should allow positive latching of the lock or exit device without undue slamming.

Offset - Door Pivot Point is offset from jamb center line, and hung from an offset pivot or hinge, allowing it to swing only one way.

Spring Size - A measure of door closer spring strength. Relates directly to the amount of opening force required to open the door, and the amount of force available to close the door.

Sweep Speed - Initial closing speed from fully open to approximately 10 to 15 degrees from closed position.

# **CRL Door Closer Selection Chart**

TYPICAL ENTRANCE APPLICATION	AVERAGE DAILY Swing Frequency	RATED Frequency	RECOMMENDED CLOSER TYPE
• MALL OR LARGE DEPARTMENT STORE DOORS • Large office building doors	2000-5000	Very High	HEAVY-DUTY FLOOR MOUNTED (Contact Technical Sales)
<ul> <li>LARGE SIZE STORE OR BANK DOORS</li> <li>LARGE SCHOOL DOORS</li> <li>MEDIUM TO LARGE RESTAURANT DOORS</li> <li>BUSY FAST FOOD RESTAURANT DOORS</li> <li>BUSY CONVENIENCE STORE DOORS</li> <li>LARGE THEATER DOORS</li> </ul>	1000-2000	High	FLOOR MOUNTED (Contact Technical Sales) HEAVY-DUTY SURFACE MOUNTED (Contact Technical Sales) HEAVY-DUTY OVERHEAD CONCEALED (Contact Technical Sales)
<ul> <li>MEDIUM SIZE STORE OR BANK DOORS</li> <li>MEDIUM SIZE OFFICE BUILDING DOORS</li> <li>OFFICE BUILDING RESTROOM DOORS</li> <li>CORRIDOR DOORS</li> <li>PUBLIC RESTROOM DOORS</li> <li>SMALL STORE OR PUBLIC BUILDING DOORS</li> </ul>	100-1000	Medium	FLOOR MOUNTED (see pages D358-D377) SURFACE MOUNTED (see pages D304-D320) OVERHEAD CONCEALED (see pages D323-D350)
• SMALL STORE OR OFFICE RESTROOM DOORS • Residential doors • Closet doors	10-100	Low	SURFACE MOUNTED (see pages D304-D320)



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# CRL DC50 Series Grade 1 Surface Mounted Door Closers

- Engineered for Commercial and Residential Use
- Dual Valve Closing and Latching Speed Control
- Reversible for Standard, Top-Jamb, and Parallel Arm Installations on Aluminum, Metal, and Wood Doors
- Aluminum and Dark Bronze Finishes (White and Black are Also Available for DC54 Size)
- Custom Colors Available

CRL DC50 Series Surface Mounted Door Closers cover a wide range of door sizes and weights, from a Size 1 (DC51) intended for light commercial and residential applications, to a Size 5 (DC55) for heavy commercial door applications. With both closing and latching speeds independently adjustable, they will satisfy your customer's requirements for smooth operating door control.

An adjustable backcheck function is standard on all DC52, DC53, DC54, and DC55 Closers to protect door and hardware from damage due to wind or violent door swings in the opening cycle. All DC50 Series Closers are supplied with Parallel Arm Brackets and mounting hardware permitting universal installation for regular, top jamb or parallel arm applications. Optional accessories, such as Drop Plates and Hold Open Arms, are available for special installations. See page D308.

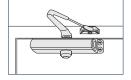
### Surface Mounted Closer Universal Mounting Options

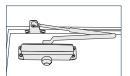
• 10 Year Limited Warranty

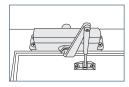
DOOR CLOSER Include

• UL Listed









Parallel Arm Installation

Regular Projecting Arm Installation Closer installed on "PULL" side of the door.

Closer installed on "PUSH" side of the door.



#### DC50 SERIES GRADE 1 SURFACE MOUNTED DOOR CLOSERS

	2000 01			
	CAT. NO.	FINISH	SIZE	CLOSER DESCRIPTION
	DC51A	Aluminum	1	Light Commercial/Residential
	DC51BRZ	Dark Bronze	1	Light Commercial/Residential
d on	DC52A	Aluminum	2	Light-Duty
t the door.	DC52BRZ	Dark Bronze	2	Light-Duty
	DC53A	Aluminum	3	Standard-Duty
	DC53BRZ	Dark Bronze	3	Standard-Duty
	DC54A	Aluminum	4	Standard-Duty
	DC54BRZ	Dark Bronze	4	Standard-Duty
	DC54W	White	4	Standard-Duty
d alaassa	DC54BLK	Black	4	Standard-Duty
d above H" side.	DC55A	Aluminum	5	Heavy-Duty Commercial
1 5100.	DC55BRZ	Dark Bronze	5	Heavy-Duty Commercial
	Minimum order: 1 each.	All CRL Door Closers can be combined for	quantity pricing.	



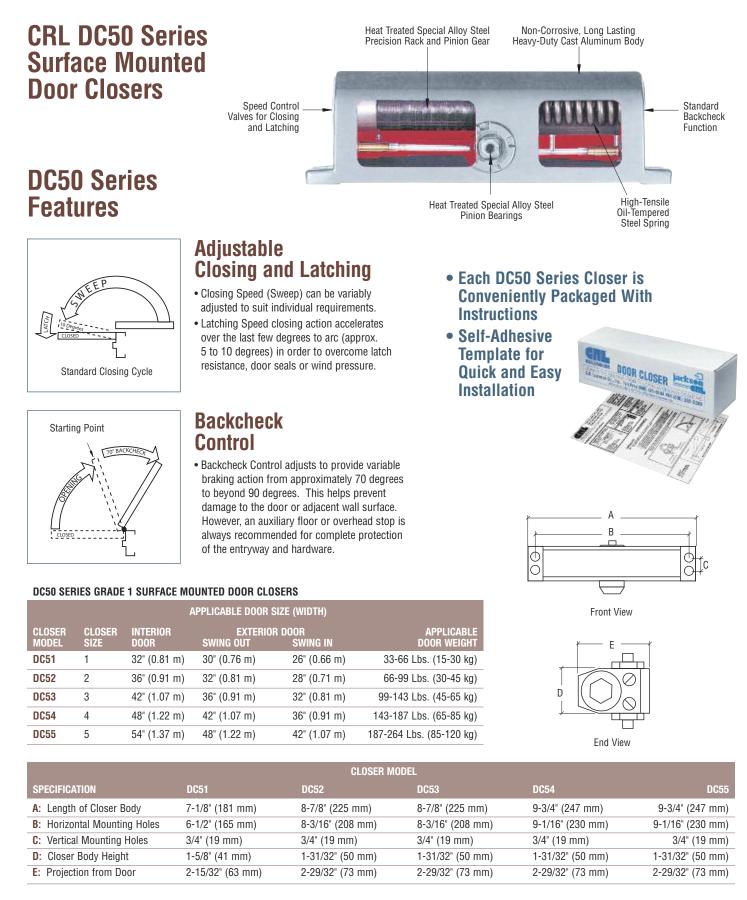
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UL 10C

PR82 Series Only

# CRL PR80 Series Adjustable Spring Power Surface Mounted Door Closers

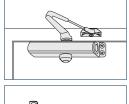
- Multi-Size Adjustable Spring Power Closers Ranging in Size From 1 to 5
- Barrier-Free Models to Meet A.D.A. **Barrier-Free Requirements**
- Applicable for Doors Ranging From 24" to 54" Wide and 33 to 264 Pounds
- 10 Year Limited Warranty
- UL Listed

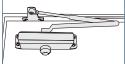
The CRL PR80 Series of Multi-Size Adjustable Spring Power Surface Mounted Door Closers are the perfect closers to replace your single size surface closer inventory. This compact closer matches the common 9-1/16" x 3/4" (230 x 19 mm) hole template, making it ideal for both new and retrofit applications. The closers adjust in a range from Size 1 through 5 to accommodate doors from 24" through 54" (610 to 1371 mm) and up to 264 pounds (120 kg). A Barrier-Free (low opening resistance) model is available to comply with A.D.A. opening force requirements. Closing and latching speed controls are independently adjustable, and the adjustable backcheck feature helps prevent damage to the closer, door, and adjacent surface should the door be violently swung open due to wind or heavy pedestrian traffic.

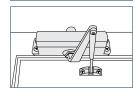
All PR80 Closers are UL listed and warranted for 10 years. Parallel Arm Brackets and mounting hardware are included with each closer permitting universal installation for regular, top iamb or parallel arm applications. The closer is supplied with a standard plastic slim style cover. Optional accessories, such as Drop Plates and Hold Open Arms, are available for special installations. See page D308.

### Surface Mounted Closer **Universal Mounting Options**

#### • Non-Handed, Reversible **Closers Can Be Mounted Three Different Ways**







**Regular Projecting** Arm Installation

Closer installed on "PULL" side of the door.

#### **Parallel Arm** Installation

Closer installed on "PUSH" side of the door.

Top Jamb Installation	
Closer installed above door on "PUSH" side.	

#### **PR80 SERIES SURFACE MOUNTED DOOR CLOSERS**

CAT. NO.	FINISH	SIZE	CLOSER DESCRIPTION
PR80A	Aluminum	2 - 5	Adjustable
PR80DU	Dark Bronze	2 - 5	Adjustable
PR80BLK	Black	2 - 5	Adjustable
PR82BFA	Aluminum	1 - 4	Barrier-Free/Adjustable
PR82BFDU PR82BFBLK	Dark Bronze Black	1-4	Barrier-Free/Adjustable Barrier-Free/Adjustable

Minimum order: 1 each. All CRL Door Closers can be combined for quantity pricing.

#### **CLOSER SELECTION DATA**

	APPLICABLE DOOR SIZE (WIDTH)				
CLOSER MODEL	CLOSER Size	INTERIOR DOOR	EXTERIOR SWING OUT	DOOR SWING IN	APPLICABLE DOOR WEIGHT
PR80	2 - 5	36"-54" (0.91-1.37 m)	32"-48" (0.81-1.22 m)	28"-42" (0.71-1.07 m)	66-264 Lbs (30-120 kg)
PR82BF	1 - 4	32"-48" (0.81-1.22 m)	28"-42" (0.71-1.07 m)	24"-36" (0.61-0.91 m)	33-187 Lbs (15-85 kg)



 Self-Adhesive **Template for Quick and Easv** Installation







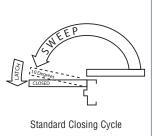
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CRL PR80 Series Adjustable Spring Power Surface Mounted Door Closers

Adjustable





 Latching Speed closing action accelerates over the last few degrees to arc (approx. 5 to 10 degrees) in order to overcome latch resistance, door seals or wind pressure.





Dimensions Φ ф C  $\cap$ Front View End View





Starting Point



### · Provides a lighter powered spring to allow

the entryway and hardware.

**Barrier-Free Feature** 

Backcheck Control

· Backcheck Control adjusts to provide variable braking action from approximately 70 degrees to beyond 90 degrees. This

helps prevent damage to the door or

adjacent wall surface. However, an auxiliary floor or overhead stop is always recommended for complete protection of

low opening resistance but provide acceptable door control. The opening force can be adjusted to comply with A.D.A., and as outlined in ANSI A117.1.

SPECIFICATION	PR80 SERIES	WITH COVER
A: Length of Closer Body	9-3/4" (248 mm)	10-5/8" (270 mm)
B: Horizontal Mounting Holes	9-1/16" (230 mm)	9-1/16" (230 mm)
C: Vertical Mounting Holes	3/4" (19 mm)	3/4" (19 mm)
D: Closer Body Height	1-25/32" (45 mm)	2-1/16" (53 mm)
E: Projection from Door	2-29/32" (73 mm)	2-15/16" (75 mm)

# **CRL Door Pressure Gauge**

- Helps to Determine if Amount of Force Required to **Open Doors Meets A.D.A. Regulations**
- Range is from 0 to 35 Pounds (0 to 15.9 kg)
- Pocket Sized Tool is Simple to Use

Our Door Pressure Gauge shows amount of force (pounds or kilograms) required to open doors so you can determine if door meets A.D.A. regulations. An absolutely vital tool if working on doors in facilities requiring full access to disabled persons. It can also be used to determine the amount of rolling force required to open or close patio doors. Minimum order is one each.

CAT. NO. HMC035



D307

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# CRL Accessories for DC50 and PR80 Series Surface Mounted Door Closers

**NOTE:** Not all accessories are applicable to our DC51 Series Surface Mounted Door Closers

CRL DC50 and PR80 Series Surface Mounted Door Closer Accessories are intended to support a wide range of mounting options and applications. Contact the CRL Technical Sales Department at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7520. You can also send an e-mail through the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Door and Window Products.

#### CRL Closer Body Covers • Slip-On Installation

CAT. NO.	FINISH
DC5CVRA	Aluminum
DC5CVRBRZ	Dark Bronze
DC5CVRBLK Black	
Minimum order: 1 each. Finishes can be combined for quantity pricing	



# CRL Wide Drop Plates For Use With DC50 and PR80 Series Closers

CAT. NO.	FINISH
DC53DPA	Aluminum
DC53DPBRZ	Dark Bronze
DC54DPA	Aluminum
DC54DPBRZ	Dark Bronze
DC54DPBLK	Black
Minimum order: 1 each.	Finishes can be

combined for quantity pricing



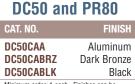
OVERALL DIMENSIONS: DC53 Series 8-7/8" x 3-1/2" (225 x 89 mm) DC54 Series 9-3/4" x 3-1/2" (248 x 89 mm)

# CRL Parallel Arm Brackets For Use With Regular Non-Hold Open Arms

CAT. NO.	FINISH
DC7PABA	Aluminum
DC7PABBRZ	Dark Bronze
DC7PABBLK	Black
Minimum order: 1 each. Finishes can be combined for quantity pricing.	

# ...

### CRL Regular Closer Arms • Replacement Arms for



Minimum order: 1 each. Finishes can be combined for quantity pricing.

### CRL Hold Open Arms • Parallel Hold Open

#### Bracket Included FRICTION TYPE CAT. NO. POSI-HOLD TYPE CAT. NO. FINISH DCHOAA DCHOABRZ DCHOABRZ DCHOABLK DCPHOAA DCPHOABRZ DCHOABLK Aluminum Dark Bronze Black

Minimum order: 1 each. Finishes can be combined for quantity pricing.



CAT. NO.

DCAXTA

DCAXTBRZ

# 

# CRL Narrow Drop Plates For Use With DC50 and PR80 Series

FINISH

Aluminum

Dark Bronze

CRL Sex Bolt Sets

Four Per Pack

Minimum order: 1 each. Finishes can be combined for quantity pricing.

CAT. NO.

DCSBA

DCSBBRZ

CAT. NO.	FINISH
DC53NDPA	Aluminum
DC53NDPBRZ	Dark Bronze
DC54NDPA	Aluminum
DC54NDPBRZ	Dark Bronze
DC54NDPBLK	Black
Minimum order: 1 each. Finishes can be combined for quantity pricing.	



OVERALL DIMENSIONS: DC53 Series 8-7/8" x 2-5/16" (225 x 59 mm) DC54 Series 9-3/4" x 2-5/16" (248 x 59 mm)

# CRL Replacement Screw Packages

 Complete Set of Replacement Screws

inchlacement otrev		
CAT. NO.	FINISH	
DCSA DCSBRZ	Aluminum Dark Bronze	
Minimum order: 1 pack. Finishes can be combined for quantity pricing.		

# 

# CRL Extended Rod Assemblies

FINISH

Aluminum

Dark Bronze

• Use With Reveals Up to 6" (152 mm)







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# **CRL PR70 Series Adjustable Spring Power** Surface Mounted Door Closers

- Multi-Size Adjustable Spring Power Closers Ranging in Sizes BF 1/2 to 6
- Barrier Free and Delayed Action Models to Meet A.D.A. Barrier-Free Requirements
- Applicable for Doors Weighing 22 to 330 Pounds (10 to 150 kg)
- Aluminum and Dark Bronze Finishes
- Bright Gold and Chrome Finishes for Restaurants and Upscale Retail Businesses

Closer installed on "PUSH" side of the door.

Parallel Arm

Installation

10 Year Limited Warranty

• UL Listed



The CRL PR70 Series of Multi-Size Adjustable Spring Power Surface Mounted Door Closers are a range of Closers offering A.D.A. Barrier-Free (low opening resistance), Delayed Action models to allow adjustable delayed closing, and heavy-duty full range models for full control of heavier commercial doors. They are also available in Bright Gold and Polished Chrome finishes to complement most architectural finish requirements.

The Delayed Action feature adjusts the time a door will remain open to facilitate ease of progress through the opening. This feature is valuable in health care facilities and public buildings that require door closers to momentarily stay open. Closing and latching speed controls are independently adjustable, and an adjustable backcheck feature helps prevent damage to the closer, door, and adjacent structures should the door be violently swung open due to wind or heavy pedestrian traffic.

All PR70 Closers are UL Listed and warranted for 10 years. Parallel Arm Brackets and mounting hardware are included with each closer permitting universal installation for regular, top jamb or parallel arm applications. Optional accessories, such as Drop Plates and Hold Open Arms, are available for special installations, please see page D311.

		F3			
Surface Moun	ited Closer	CAT. NO.	FINISH	SPRING SIZE	CLOSER DESCRIPTION
Universal Mounting Options		PR70BFA	Aluminum	1/2 - 4	Barrier-Free/Adjustable
OIIIACI201 IAIO	uning options	PR70BFDU	Dark Bronze	1/2 - 4	Barrier-Free/Adjustable
		PR70BFBG	Bright Gold	1/2 - 4 🤇 🔼	Barrier-Free/Adjustable
<ul> <li>Non-Handed, R</li> </ul>	leversible	PR70BFCH	Bright Chrome	1/2 - 4	Barrier-Free/Adjustable
<b>Closers Can Be</b>	Mounted	0070044	A	1/0 4	Delaward Astian (Astimatela
		PR72DAA	Aluminum	1/2 - 4	Delayed Action/Adjustable
Three Different Ways		PR72DADU	Dark Bronze	1/2 - 4	Delayed Action/Adjustable
		PR72DABG	Bright Gold	1/2 - 4 🌔 🏹	Delayed Action/Adjustable
	<b>Regular Projecting</b>	PR72DACH	Bright Chrome	1/2 - 4	Delayed Action/Adjustable
	Arm Installation	PR74BCA	Aluminum	2 - 6	Adjustable
	Closer installed on	PR74BCDU	Dark Bronze	2 - 6	Adjustable
	"PULL" side of the door.				
		PR76DAA	Aluminum	2 - 6	Delayed Action/Adjustable
		PR76DADU	Dark Bronze	2 - 6	Delayed Action/Adjustable
		Minimum order: 1 each. Al	CRL Door Closers can be combined for q	uantity pricing.	
	Darallol Arm				

#### CLOSER SELECTION DATA

GEOSCH SELECTION DATA						
	APPLICABLE DOOR SIZE (WIDTH)					
CLOSER MODEL	CLOSER Size	INTERIOR DOOR	EXTERIOR SWING OUT	DOOR SWING IN	APPLICABLE DOOR WEIGHT	
PR70BF	1/2 - 4	28"-48" (0.71-1.22 m)	24"-42" (0.61-1.07 m)	20"-36" (0.51-0.91 m)	22-187 Lbs. (10-85 kg)	
PR72DA	1/2 - 4	28"-48" (0.71-1.22 m)	24"-42" (0.61-1.07 m)	20"-36" (0.51-0.91 m)	22-187 Lbs. (10-85 kg)	
PR74BC	2 - 6	36"-58" (0.91-1.47 m)	32"-52" (0.81-1.32 m)	28"-48" (0.71-1.22 m)	66-330 Lbs. (30-150 kg)	
PR76DA	2 - 6	36"-58" (0.91-1.47 m)	32"-52" (0.81-1.32 m)	28"-48" (0.71-1.22 m)	66-330 Lbs. (30-150 kg)	

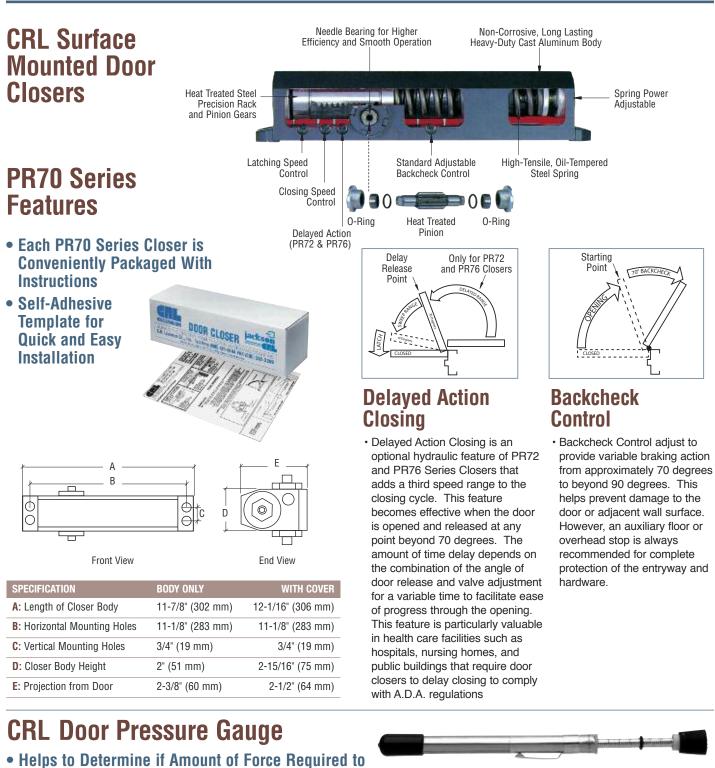


D309

	MUDEL	SIZE	DUUK
	PR70BF	1/2 - 4	28"-48" (0.71-1.
Top Jamb Installation	PR72DA	1/2 - 4	28"-48" (0.71-1
Closer installed above door on "PUSH" side.	PR74BC	2 - 6	36"-58" (0.91-1
	PR76DA	2 - 6	36"-58"

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- Open Doors Meets A.D.A. Regulations
- Range is from 0 to 35 Pounds (0 to 15.9 kg)
- Pocket Sized Tool is Simple to Use

Our Door Pressure Gauge shows amount of force (pounds or kilograms) required to open doors so you can determine if door meets A.D.A. regulations. An absolutely vital tool if working on doors in facilities requiring full access to disabled persons. It can also be used to determine the amount of rolling force required to open or close patio doors. Minimum order is one each.



CAT. NO. HMC035



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# **CRL Accessories for PR70 Series Surface Mounted Door Closers**

CRL PR70 Series Surface Mounted Door Closer Accessories are intended to support a wide range of mounting options and applications. Contact the CRL Technical Sales Department at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7520. You can also send an e-mail through the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Door and Window Products.

#### CRL Closer Body Covers CRL Sex Bolt Sets CAT. NO. FINISH CAT. NO. FINISH • Full Body Cover Four Per Pack **PR7CVRA** Aluminum DCSBA Aluminum Dark Bronze **PR7CVRDU** Dark Bronze DCSBBRZ . Bright Gold **PR7CVRBG** DCSBBG Bright Gold PR7CVRCH **Bright Chrome** DCSBCH **Bright Chrome** Minimum order: 1 each. Finishes can be Minimum order: 1 pack. Finishes can be combined for quantity pricing. combined for quantity pricing **CRL Wide Drop Plates CRL Parallel Arm Drop Plates** CAT. NO. FINISH FINISH CAT. NO. PR70DPA Aluminum **PR70DPPAA** Aluminum **PR70DPBRZ** Dark Bronze **PR70DPPABRZ** Dark Bronze PR70DPBG Bright Gold **PR70DPPABG** Bright Gold PR70DPCH **Bright Chrome** PR70DPPACH Bright Chrome **OVERALL DIMENSIONS: OVERALL DIMENSIONS:** Minimum order: 1 each. Finishes can be combined for quantity pricing. Minimum order: 1 each. Finishes can be combined for quantity pricing. 11-7/8" x 3-1/2" (302 x 89 mm) 12-1/8" x 4-3/4" (308 x 121 mm) CRL Narrow Back Plates CRL Parallel Arm Brackets Usable for Top For Use With Regular Jamb Applications Non-Hold Open Arms CAT. NO. FINISH FINISH CAT. NO. **PR70RCPA** DC9PABA Aluminum Aluminum **PR70RCPDU** Dark Bronze **DC9PABBRZ** Dark Bronze **OVERALL DIMENSIONS:** Minimum order: 1 each. Finishes can be combined for quantity pricing. Minimum order: 1 each. Finishes can be 11-7/8" x 2" (302 x 51 mm) combined for quantity pricing **CRL Regular Closer Arms** CRL Extended Rod Assemblies Replacement Arms Use With Reveals Up to 6" (152 mm) CAT. NO. CAT. NO. FINISH FINISH DC50CAA DCAXTA Aluminum Aluminum DC50CABRZ Dark Bronze DCAXTBRZ Dark Bronze 100 Minimum order: 1 each. Finishes can be Minimum order: 1 each. Finishes can be combined for quantity pricing combined for quantity pricing **CRL Hold Open Arms** • Parallel Hold Open Bracket Included POSI-HOLD TYPE CAT. NO. FRICTION TYPE CAT. NO. FINISH Friction Type Posi-Hold Type Provides Hold Open DCHOAA DCPH0AA Aluminum function between 90 Provides Hold Open DCHOABRZ DCPHOABRZ Dark Bronze function between 90 and 180 degrees for DCHOABG DCPHOABG Briaht Gold occasional Hold and 180 degrees for DCPHOACH **Bright Chrome** DCHOACH frequent use. Open need. Minimum order: 1 each. Finishes can be combined for quantity pricing. CRL Replacement Screw Packages CAT. NO. FINISH Complete Set of DCSA Aluminum Replacement DCSBRZ Dark Bronze **Screws** Minimum order: 1 pack. Finishes can be combined for quantity pricing

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# CRL PR40 Series Grade 1 Adjustable Spring Power Surface Mounted Door Closers

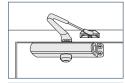
When demanding closer specs are required, consider our PR40 Series Surface Mounted Door Closers. Recommended for high traffic areas, such as public buildings, airports, and shopping centers. Closing and latching speed controls are independently adjustable. Adjustable backcheck is a standard feature to prevent damage to the closer, door, and adjacent surface should the door be violently swung open due to wind or heavy pedestrian traffic.

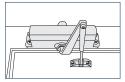
The optional delayed action feature adjusts the time a door will remain open to facilitate ease of progress through the opening. This feature is particularly valuable in health care facilities, such as hospitals, nursing homes, and public buildings that require door closers to delay closing to comply with A.D.A. regulations.

PR40 Series Closers have a compact design closer body and share a common 9-1/16" x 3/4" (230 x 19 mm) mounting hole template, making it ideal for both new and retrofit applications. All PR40 Closers are UL Listed and warranted for 10 years. Parallel Arm Brackets and mounting hardware is included with each closer permitting universal application for regular, top jamb or parallel arm applications. Optional accessories, such as Drop Plates and Hold Open Arms, are available for special installations. See page D314.

### Surface Mounted Closer **Universal Mounting Options**

#### • Non-Handed. Reversible **Closers Can Be Mounted Three Different Wavs**





Closer installed on "PULL" side of the door.

#### **Parallel Arm** Installation

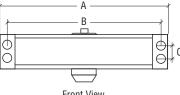
Regular Projecting

Arm Installation

Closer installed on "PUSH" side of the door.

#### **Top Jamb** Installation

Closer installed above door on "PUSH" side



Front View

D312

- C
- D



EXTERIOR DOOR APPLICABLE SWING OUT SWING IN DOOR WEIGHT 28"-42" 24"-36" 33-187 Lbs. (0.81-1.22 m) (0.71-1.07 m) (0.61-0.91 m) (15-85 kg) 32"-48" 28"-42" 66-264 Lbs. (0.91-1.37 m) (0.81-1.22 m) (0.71-1.07 m) (30-120 kg) 32"-48" 28"-42" 66-264 Lbs. (0.91-1.47 m) (0.81-1.22 m) (0.71-1.07 m) (30-120 kg)

DIMENSIONS
9-3/4" (248 mm)
9-1/16" (230 mm)
3/4" (19 mm)
1-13/16" (46 mm)
2-13/16" (72 mm)



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- Adjustable Spring Power Multi-Size Range 1 to 5
- Each PR40 Series Closer is **Conveniently Packaged** With Instructions
- Delayed Action Closing Model for Handicap Entrances
- 10 Year Limited Warranty
- UL Listed

CAT. NO.

PR40A

PR40DU

PR42DU

PR44DAA

**CLOSER** 

MODEL

**PR40** 

**PR42** 

PR44DA

PR44DADU

CLOSER SELECTION DATA

**CLOSER** 

1 - 4

2 - 5

2 - 5

PR42A



**FINISH** 

Aluminum

Aluminum

Aluminum

Dark Bronze

INTERIOR

DOOR

32"-48"

36"-54"

36"-58"

Dark Bronze

Dark Bronze







PR40 SERIES GRADE 1 SURFACE MOUNTED DOOR CLOSERS

**UL 10C** 

SPRING SIZE

Ġ.

1 - 4

1 - 4

2 - 5

2 - 5

2 - 5

2 - 5

Minimum order: 1 each. All CRL Door Closers can be combined for quantity pricing. \* NOTE: Backcheck feature is not available on Delayed Action models.

**APPLICABLE DOOR SIZE (WIDTH)** 



PR40 Model Only

**CLOSER DESCRIPTION** 

Barrier-Free/Adjustable

Barrier-Free/Adjustable

\*Delayed Action/Adjustable

\*Delayed Action/Adjustable

Adjustable

Adjustable

UI 100

**Delayed Action** 

· Delayed Action Closing is an

cycle. This feature becomes

optional hydraulic feature of the PR54 Series Closer that adds a

third speed range to the closing

effective when the door is opened

and released at any point beyond

70 degrees. The amount of time

of the angle of door release and valve adjustment for a variable

time to facilitate ease of progress

through the opening. This feature

buildings that require door closers

to delay closing to comply with

is particularly valuable in health care facilities such as hospitals,

nursing homes, and public

A.D.A. regulations.

delay depends on the combination

Delay Release

Point

Closing

# **CRL PR50 Series Grade 1 Adjustable Spring Power Surface Mounted Door Closers**

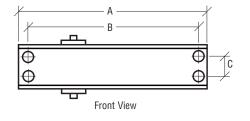
- Adjustable Spring Power Multi-Size Range 1 to 5
- Larger Footprint Matches or Covers Existing Hole **Patterns**
- 10 Year Limited Warranty
- UL Listed

To meet demanding closer specifications, and a need for a larger footprint for matching or covering existing hole patterns, consider the CRL PR50 Series Surface Mounted Door Closer. The PR50 Series is a Multi-Size Adjustable Spring Power Closer suitable for doors from 24" to 54" (0.61 to 1.37 m), and weighing from 33 to 264 pounds (15 to 120 kg).

The barrier-free (low opening resistance) Model PR50, with a lighter powered spring to provide adjustable door control from Size 1 through 4, is recommended for public buildings, airports, and shopping centers to meet A.D.A. opening force accessibility requirements. The PR52 Model adjusts from Size 2 through 5 for heavier door applications, and is recommended for higher traffic areas. The PR54DA Model has an adjustable Delayed Action feature that can vary the time the door will remain open to facilitate ease of progress through the opening. This feature is particularly valuable in health care facilities, such as hospitals, nursing homes, and public buildings that require door closers to momentarily stay open to comply with A.D.A. regulations.

Closing and latching speed controls are independently adjustable. The adjustable backcheck feature helps prevent damage to the closer, door, and adjacent surface should the door be violently swung open due to wind or heavy pedestrian traffic.

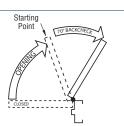
PR50 Series Closers are UL Listed and warranted for 10 years. Parallel Arm Brackets and mounting hardware is included with each closer permitting universal installation for regular, top jamb or parallel arm applications. Optional accessories, such as Drop Plates and Hold Open Arms, are available for special installations. See page D314.





 Each PR50 Series Closer is **Conveniently Packaged With** Instructions





### **Backcheck** Control

· Backcheck Control adjusts to provide variable braking action from approximately 70 degrees to beyond 90 degrees. This helps prevent damage to the door or adjacent wall surface. However, an auxiliary floor or overhead stop is always recommended for complete protection of the entryway and hardware.



PR50 Model Only

#### PR50 SERIES GRADE 1 SURFACE MOUNTED DOOR CLOSERS

CAT. NO.	FINISH	SPRING SIZE	CLOSER DESCRIPTION
PR50A	Aluminum	1-4	Barrier-Free/Adjustable
PR50DU	Dark Bronze	1-4 💁	Barrier-Free/Adjustable
PR52A	Aluminum	2 - 5	Adjustable
PR52DU	Dark Bronze	2 - 5	Adjustable
PR54DAA	Aluminum	2 - 5	*Delayed Action/Adjustable
PR54DADU	Dark Bronze	2 - 5	*Delayed Action/Adjustable

Minimum order: 1 each. All CRL Door Closers can be combined for quantity pricing. \* NOTE: Backcheck feature is not available on Delaved Action models

#### CLOSER SELECTION DATA

APPLICABLE DOOR SIZE (WIDTH)					
CLOSER MODEL	CLOSER Size	INTERIOR DOOR	EXTERIO Swing Out	R DOOR Swing in	APPLICABLE DOOR WEIGHT
PR50	1 - 4	32"-48" (0.81-1.22 m)	28"-42" (0.71-1.07 m)	24"-36" (0.61-0.91 m)	33-187 Lbs. (15-85 kg)
PR52	2 - 5	36"-54" (0.91-1.37 m)	32"-48" (0.81-1.22 m)	28"-42" (0.71-1.07 m)	66-264 Lbs. (30-120 kg)
PR54DA	2 - 5	36"-54" (0.91-1.37 m)	32"-48" (0.81-1.22 m)	28"-42" (0.71-1.07 m)	66-264 Lbs. (30-120 kg)

V			
<b>¬</b>	SPECIFICATION	BODY ONLY	WITH COVER
	A: Length of Closer Body	12-9/16" (319 mm)	13" (330 mm)
	B: Horizontal Mounting Holes	11-15/16" (303 mm)	11-15/16" (303 mm)
	C: Vertical Mounting Holes	3/4" (19 mm)	3/4" (19 mm)
	D: Closer Body Height	1-3/4" (45 mm)	2-15/16" (75 mm)
	E: Projection from Door	2-3/16" (56 mm)	2-5/16" (59 mm)



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# CRL Accessories for PR40 and PR50 Series Surface Mounted Door Closers

CRL PR40 and PR50 Series Surface Mounted Door Closer Accessories are intended to support a wide range of mounting options and applications. For more information contact the CRL Technical Sales Department at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7520. You can also send an e-mail through the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Door and Window Products.



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# CRL PR90 Series Grade 1 Adjustable Spring Power Surface Mounted Door Closers

- Adjustable Spring Power Multi-Size Range 1 to 6
- Durable Cast Iron Closer Body With Finished Cover
- 10 Year Limited Warranty
- UL Listed

Cast Iron Closers have long been considered to be the industry's most durable. The CRL PR90 Grade 1 Adjustable Spring Power Surface Mounted Door Closer is recommended for high traffic public buildings such as hospitals, airports and shopping centers, to meet both A.D.A. accessibility requirements, and provide durability and maintenance free service. Closing and latching speed controls are independently adjustable. The adjustable backcheck feature helps prevent damage to the closer, door, and adjacent surface should the door be violently swung open due to wind or heavy pedestrian traffic.

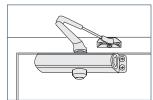
All CRL PR90 Closers are UL Listed and warranted for 10 years. Parallel Arm Brackets and mounting hardware are included with each closer permitting universal installation for regular, top jamb or parallel arm applications. Optional accessories, including Drop Plates and Hold Open Arms, are available for special installations (see page D317).

### Surface Mounted Closer Universal Mounting Options

• Non-Handed, Reversible Closers Can Be Mounted Three Different Ways

**A** 

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Regular Projecting Arm Installation

Closer installed on "PULL" side of the door.

Parallel Arm Installation

Closer installed on "PUSH" side of the door.

Top Jamb Installation

Closer installed above door on "PUSH" side.

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#### PR90 SERIES GRADE 1 SURFACE MOUNTED DOOR CLOSERS

CAT. NO.	FINISH	SIZE		CLOSER DESCRIPTION
PR90A	Aluminum	1 - 6	Ŀ.	Barrier-Free/Adjustable
PR90DU	Dark Bronze	1 - 6		Barrier-Free/Adjustable
PR92DAA	Aluminum	1 - 6	Ŀ.	*Delayed Action/Adjustable
PR92DADU	Dark Bronze	1 - 6		*Delayed Action/Adjustable

Minimum order: 1 each. All CRL Door Closers can be combined for quantity pricing. \* NOTE: Backcheck feature is not available on Delayed Action models.

#### **CLOSER SELECTION DATA**

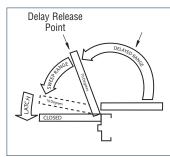
	APPLICABLE DOOR SIZE (WIDTH)						
CLOSER MODEL	CLOSER Size	INTERIOR DOOR	EXTERIO SWING OUT	DR DOOR Swing in	APPLICABLE DOOR WEIGHT		
PR90	1 - 6	32"-58" (0.81-1.47 m)	28"-52" (0.71-1.32 m)	24"-48" (0.61-1.22 m)	33-330 Lbs. (15-150 kg)		
PR92DA	1 - 6	32"-58" (0.81-1.47 m)	28"-52" (0.71-1.32 m)	24"-48" (0.61-1.22 m)	33-330 Lbs. (15-150 kg)		

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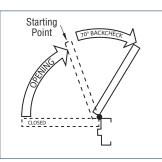
# CRL PR90 Series Grade 1 Adjustable Spring Power Surface Mounted Door Closers



### Delayed Action Closing

· Delayed Action Closing is an optional hydraulic feature of the PR90 Series Closer that adds a third speed range to the closing cycle. This feature becomes effective when the door is opened and released at any point beyond 70 degrees. The amount of time delay depends on the combination of the angle or door release and valve adjustment for a variable time to facilitate ease of progress through the opening. This feature is particularly valuable in health care facilities such as hospitals, nursing homes, and public buildings that require door closers to delay closing to comply with A.D.A. regulations.

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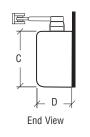


### Backcheck Control

 Backcheck Control adjusts to provide variable braking action from approximately 70 degrees to beyond 90 degrees. This helps prevent damage to the door or adjacent wall surface. However, an auxiliary floor or overhead stop is always recommended for complete protection of the entryway and hardware.



 Provides a lighter powered spring to allow low opening resistance but provide acceptable door control. The opening force can be adjusted to comply with A.D.A., and as outlined in ANSI A117.1.

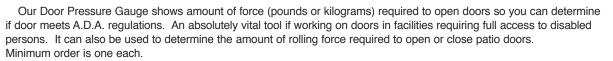


DIMENSIONS
12-1/4" (311 mm)
2-1/4" (57 mm)
3-7/32" (82 mm)
2-5/32" (55 mm)

# **CRL Door Pressure Gauge**

Front View

- Helps to Determine if Amount of Force Required to Open Doors Meets A.D.A. Regulations
- Range is from 0 to 35 Pounds (0 to 15.9 kg)
- Pocket Sized Tool is Simple to Use





CAT. NO. HMC035



- Each PR90 Series Closer is Conveniently Packaged With Instructions
- Self-Adhesive Template for Quick and Easy Installation



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# **CRL Accessories for PR90 Series Surface Mounted Door Closers**

CRL PR90 Series Surface Mounted Door Closer Accessories are intended to support a wide range of mounting options and applications. Contact the CRL Technical Sales Department at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7520. You can also send an e-mail through the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Door and Window Products.



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# **LCN® 1460 Series Surface Mounted Door Closers**

- Multi-Size Adjustable Spring Power Closers Ranging in Sizes 1 Through 6
- Barrier Free and Delayed Action Models to Meet A.D.A. Barrier-Free Requirements
- Certified ANSI A156.4, Grade 1

LCN<sup>®</sup> specializes in solving door control problems through the use of high quality, innovative door control products. By adhering to high standards of performance, LCN<sup>®</sup> has earned a leadership role within the industry and is committed to providing the best door closers in the world. For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., or (877) 421-6144 from Canada, and ask for Ext. 7520. You can also visit our web site at **crlaurence.com**.

CAT. NO.	FINISH	SPRING SIZE	CLOSER DESCRIPTION
1461AL	Aluminum	1 - 6	Adjustable Spring Power
1461DU	Dark Bronze	1 - 6	Adjustable Spring Power
1461DAL	Aluminum	1 - 6	Delayed Action / Adjustable
1461DDU	Dark Bronze	1 - 6	Delayed Action / Adjustable
Minimum order: 1 each	All CBL Door Closers can be combined for	or quantity pricing	



# **Accessories for LCN® 1460 Series Door Closers**

These LCN<sup>®</sup> 1460 Series Surface Closer Accessories are intended to support a wide range of mounting options and applications. Additional accessories are available upon special order.

**UL 10C** 





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NEW

# LCN<sup>®</sup> 4040XP Series Surface Mounted Door Closers

UL 100

- Multi-Size Adjustable Spring Power Closers Ranging In Sizes 1 Through 6
- Tested to Ten Million Cycles
- Designed for Demanding High Traffic Applications
- Certified ANSI A156.4, Grade 1

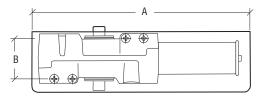
The LCN® 4040XP Series Heavy-Duty Door Closer is designed for institutional and other rugged high traffic applications. The 4040XP features the LCN® FAST<sup>™</sup> Power Adjust with visual indicator for spring power adjustment. For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., or (877) 421-6144 from Canada or (323) 588-1281 International, and ask for Ext. 7520. You can also visit our web site at **crlaurence.com**.

#### 4041XP RW/PA (REGULAR ARM WITH PARALLEL ARM BRACKET)

CAT. NO.	FINISH	SPRING SIZE	CLOSER DESCRIPTION
4041AL	Aluminum	1-6	Adjustable Spring Power
4041DU	Dark Bronze	1 - 6	Adjustable Spring Power
4041DAL	Aluminum	1 - 6	Delayed Action / Adjustable
4041DDU	Dark Bronze	1 - 6	Delayed Action / Adjustable

Minimum order: 1 each. All CRL Door Closers can be combined for quantity pricing

### **Closer Dimensions**



Front View

C C End View

E

SPECIFICATION	DIMENSIONS
A: Length of Closer Body With Cover	12-1/4" (311 mm)
B: Horizontal Mounting Holes	2-1/4" (57 mm)
C: Closer Body Height With Cover	3-1/2" (89 mm)
D: Projection from Door With Cover	2-1/4" (57 mm)



Width

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**CAUTION:** Any manual door closer, installed and adjusted to comply with A.D.A. or other reduced opening force requirements, may not provide adequate spring power to close and latch a door due to varying site conditions and door size.

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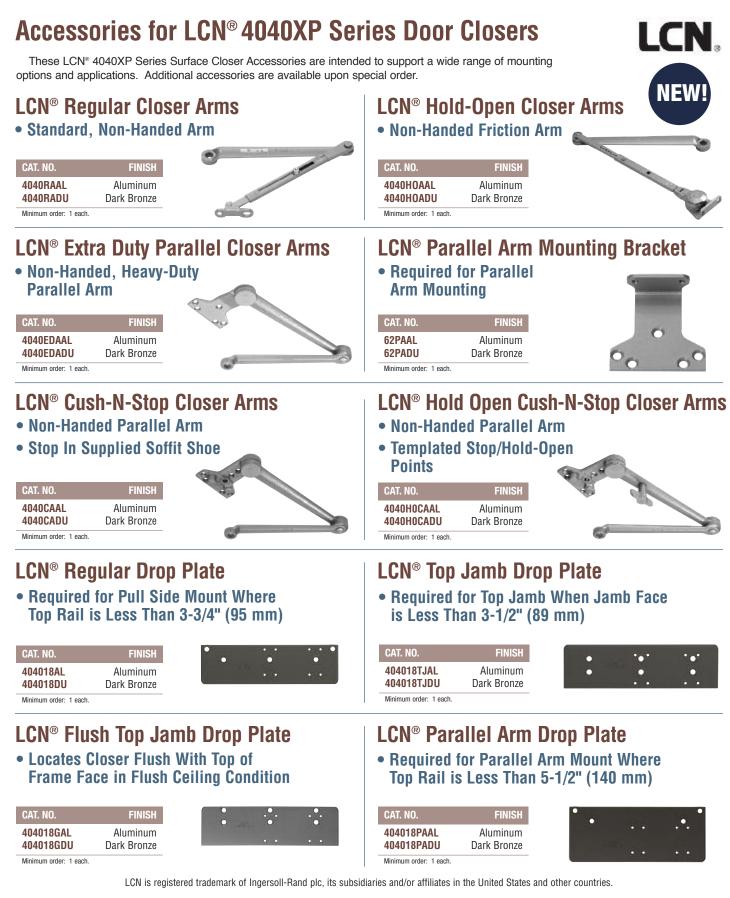
The 4040XP Series includes the LCN® FAST<sup>™</sup> Power Adjust, a revolutionary visual indicator for spring power adjustment

Indicates Recommended Range of Door Width for Closer Size. LCN is registered trademark of Ingersoll-Rand plc, its subsidiaries and/or affiliates in the United States and other countries.



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# CRL Norton® 5700 Series - LEO® Low Energy Power Door Operator

- Complies With A.D.A. Accessibility Guidelines
- Retains Proper Closing Force While Providing A.D.A. Mandated Opening Force
- Meets ANSI/BHMA A156.19 and A.D.A. A156.4
- Easy to Install and Set Up
- Non-Handed
- UL Listed

Norton's 5700 Series introduces a new generation of power door operators. The patented design of the 5700 is based on ease and simplicity. It installs in minutes rather than hours, and consists of three basic components: inverter, motor, and Norton's 1601 Closer Body.

What separates the Norton 5700 from other operators is its ability to function as a standard door closer. When the door is opened manually, there is little resistance, and the drive train and motor are not engaged. The 1601 Closer, not the motor, controls the closing cycle. Since the door closer does not back-drive the motor during the closing cycle, there is no loss of closer efficiency.

#### Hinge (Pull) Side



- Adjustable Stop
- 180 Degree Swing (Trim Permitting)
- Minimum Door Width Single Door - 29" (737 mm) Double Door - 30" (762 mm)
- Maximum Door Width 48" (1219 mm)
- An Auxiliary Stop is Suggested Where Severe Conditions Exist

# **Motorized Operation**

When activated by an optional switch or motion sensor, the unit powers the door open at both a speed and force that is adjustable to comply with accessibility codes. The door is powered from a closed position to a full open position, and remains in a momentary hold open position that can be adjusted from 0 to 30 seconds. The door is then allowed to close under the closer spring force only. Once the unit reaches full hold open position, if reinitiated, unit's momentary hold open time is restarted from the initially set hold-open time. If the unit is activated during the closing cycle, the unit reverts back to the opening cycle, beginning at that door position. If an obstruction is detected when opening, the opening cycle is ended and the door is allowed to close under the closer spring force only.

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In the event of a power outage, the door can be manually opened and will close via the door closer's spring force.

The 5700 is listed with UL and ANSI/BHMA A156.19, and meets the requirements of A.D.A. A156.4. It is ideal for offices, retirement facilities, schools, churches, and any location where extra features are not required and noise may be a concern. The operator can be activated via wall switch, radio frequency device or motion sensor, and is available for both push and pull side applications. Based on its dual functionality, ease of use and quiet operation, the 5700 offers the customer a unique choice.

NOTE: This product is a low energy power operator intended for A.D.A. assist openings only. It is not intended to be used for applications requiring a full time automatic operator.

	je:	
Inverter	Motor	1601 Closer Body

#### SPECIFICATIONS:

Power Input: 120V AC, 60Hz Current Draw: .6A Relay Output: DPDT-N.O./N.C. (jumper) External On/Off Switch Adjustable Hydraulic Backcheck Adjustable Hold Open: 0 to 30 Seconds Warranty: 2 Year Limited Finish: Sprayed Combination of Waterborne Acrylic and Polyester Powder Coat **Dimensions:** Body With Cover: 29" (737 mm) x 5-1/4" (133 mm) Body Projection: 4-5/8" (117 mm) Track Assembly: 23" (584 mm)

NOTE: Contact CRL Technical Sales for use on doors exceeding 250 lbs. (113 kg)

NOTE: Door Switches and Sensors are not included with 5700 Series Door Operators. These must be ordered separately (see next page)

CAT. NO.	FINISH
LE05741A	Aluminum
LE05741DU	Dark Bronze
LE03/41D0	Daik Diviize

Minimum order: 1 each. Finishes can be combined for quantity pricing.



D321

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Stop (Push) Side

- Reveals 2-5/8" to 6-3/4" (67 to 171 mm)
- 170 Degree Swing (Trim Permitting) • Maximum Door Width 48" (1219 mm)
- · An Auxiliary Stop is Required

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ACTIVATE

SWITCH

TO OPERATE

CAT. NO. LE0433

(1 per Switch)

SIGN DESCRIPTION

"CAUTION" Automatic Door

Activate Switch to Operate

A.D.A. Activate Switch to Operate

# CRL Norton® 5700 Series - LEO® Accessories

### **CRL Norton® Automatic Door Signage**



• Replacements for **Standard Decal Placards** 

**CAT. NO. LE0428** (2 per Operator)

These CRL Norton® Signs are supplied standard with the purchase of the 5700 Series Door Operator and Door Switches. They are also sold separately as replacements for lost or older signs. Each 5700 Series - LEO® Power Door Operator comes with two Cat. No. LE0428 Signs. Each Door Switch below comes with one each of the Cat. No. LE0429 and Cat. No. LE0433 Signs.

### **CRL Norton® Automatic Door Switches**

- Large 6" x 6" Square **Automatic Door Push Switch**
- Available for Both Hardwired and Wireless Installations

CRL Norton® Automatic Door Switches are designed for use with the Norton® 5700 Series - LEO® Power Door Operators. Available for both hardwired and wireless type installations, the large 6" x 6" (152 x 152 mm) square button is user friendly. Both models come with one each Cat. No. LE0429 and Cat. No. LE0433 Door Signs (shown above). Minimum order is one each.



SINCE 1880

orto

AMERICAN ORIGE

ΑΩΤΙΛΑΤΕ

SWITCH

O OPERAT

CAT. NO. LE0429

(1 per Switch)

#### CAT. NO. LE0685

#### HARDWIRED DOOR SWITCH

CAT. NO.

LE0428

LE0429

LE0433

Minimum order: 1 each

### CRL Norton<sup>®</sup> RF **Receiver Kit**

**Receiver Kit** 

#### **RADIO FREQUENCY RECEIVER**

- Wireless RF Frequency (433 MHz)
- . 24V DC Power Supply
- Activation Switch Not Included .
- Requires Switch No. LE0574

The CRL Norton® RF Receiver Kit is designed to work along with the Cat. No. LE0574 RF Door Switch (see above). Kit allows for wireless switch activation of our 5700 Series - LEO® Power Door Operators. Minimum order is one each.

CAT. NO. LE0586K

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**CRL Norton®** 

**Motion Sensor** 

**Door Operators** MOTION SENSOR

· Adjustable Angle Pattern

Minimum order is one each.

Uni-directional

Black Cover

· SPDT Relay

24V DC Input

.

Uni-Directional Motion

Sensor for 5700 Series

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#### **CAT. NO. LE0574**

#### WIRELESS (RF) DOOR SWITCH

- Wireless RF Frequency (433 MHz)
- 6" x 6" (152 x 152 mm) Faceplate
- Flush or Surface Mounted
- Stainless Finish With Blue Letters Includes One Each LE0429 and LE0433 Signs
- Works with Cat. No. LE0586K (Sold Separately)



## • 6" x 6" (152 x 152 mm) Faceplate 15 amp @ 125V AC Stainless Finish With Blue Letters



The CRL Norton® Motion Sensor is a 24V DC powered unit

Operator. Must be placed where motion at door can be sensed.

designed to work with the Norton® 5700 Series - LEO® Power Door



**CAT. NO. LE0663** 

4-3/4" x 3-3/16" x 2" Projection

(121 mm x 81 mm x 51 mm)



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# **Online Photo Gallery**

crlaurence.com

When you visit the **crlaurence.com** home page you can click into photo galleries of finished projects. It's a great way to show your customers what can be accomplished when they specify CRL Architectural Hardware Products.



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# **CRL Jackson Overhead Concealed Door Closers**

- Interchangeable With Similar Brands of Overhead Concealed Door Closers
- Available Two Ways:

**Closer Body Only Closer Kits Complete With End-Load or** Side-Load Arms, Mounting Clips, and **Bottom Pivot Sets** 

The Jackson 20-330 Series Overhead Concealed Door Closer has been the leader in the industry for more than 45 years. The closer is manufactured by C.R. Laurence in Los Angeles, California under strict ISO9001 guidelines, and is designed to give long lasting, maintenance-free performance. This closer is truly universal. One basic closer mechanism allows for single or double acting, centerhung or offset applications, and is non-handed. Suitable for both interior and exterior installations, it provides complete door control in a compact and concealed design. Available in four fixed spring sizes or adjustable spring power, making this

the ideal closer for aluminum, wood or hollow metal doors and frames.

- Available in Four Fixed Spring Sizes or **Adjustable Spring Models**
- 5 Year Limited Warranty
- Optional Adjustable Backcheck Model
- UL Listed

Features:

**US** ALUM**I**NUM crlaurence.co A.D.A. Compliance Models Available

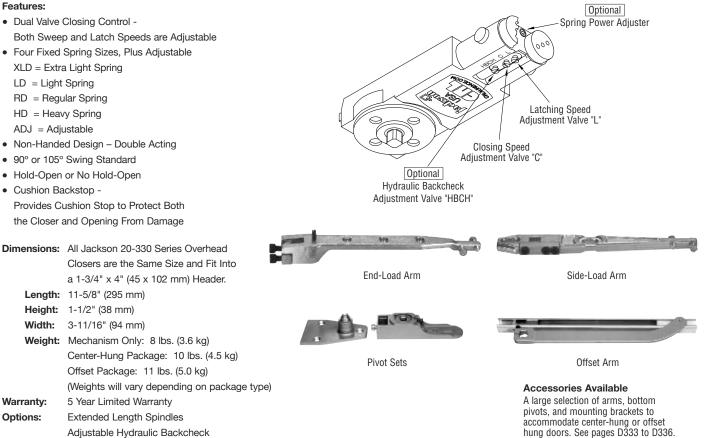
**h**C



**Fixed Spring Models** 



Adjustable Spring Power Models





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- HD = Heavy Spring ADJ = Adjustable
- Non-Handed Design Double Acting
- 90° or 105° Swing Standard

XLD = Extra Light Spring LD = Light Spring RD = Regular Spring

Hold-Open or No Hold-Open

· Cushion Backstop -Provides Cushion Stop to Protect Both the Closer and Opening From Damage

Dimensions: All Jackson 20-330 Series Overhead Closers are the Same Size and Fit Into a 1-3/4" x 4" (45 x 102 mm) Header.

Length: 11-5/8" (295 mm)

Height: 1-1/2" (38 mm)

Width: 3-11/16" (94 mm) Weight: Mechanism Only: 8 lbs. (3.6 kg) Center-Hung Package: 10 lbs. (4.5 kg) Offset Package: 11 lbs. (5.0 kg) (Weights will vary depending on package type) Warranty: 5 Year Limited Warranty **Options:** Extended Length Spindles

# CRL Jackson Overhead Concealed **Door Closers**





### **Approximate Opening Force**

RECOMMENDED FOR LIGHT TO MEDIUM FREQUENCY USE WITH ALUMINUM, WOOD OR METAL DOORS WEIGHING UP TO 250 POUNDS (113 KG)

			APPROXIMATE AVERAGE OPENING FORCE (IN POUND FORCE) APPLICABLE DOOR SIZE (WIDTH X HEIGHT)				
CLOSER SPRING SIZE	APPLICATION	2/6 X 7/0	3/0 X 7/0	3/6 X 7/0	4/0 X 7/0		
ADJUSTABLE SPRING	CENTER-HUNG OFFSET	Ġ.	Ġ.	Ŀ.	N/A N/A		
EXTRA LIGHT SPRING	CENTER-HUNG	6	4.5	4	N/A		
	OFFSET	8	6	5.5	5		
LIGHT SPRING	CENTER-HUNG	10	8	6	5		
	OFFSET	14	12	10	8		
MEDIUM SPRING	CENTER-HUNG	13	11	9	7		
	OFFSET	17	15	13	11		
HEAVY SPRING	CENTER-HUNG	17	15	13	11		
	OFFSET	N/A	19	17	15		

NOTE: 1. Closer Force readings are in pound force required to open the specified door width, and are taken at the lock stile.

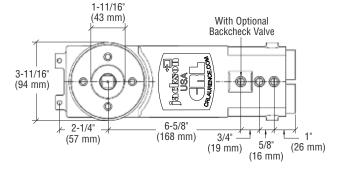
2. All opening forces are based on average conditions. Tall or extremely heavy doors, doors that may be subjected to wind, drafts, or extreme air conditioning pressure may require the next size closer.

3. Although A.D.A. Closers are designed to comply with A.D.A. barrier-free opening force requirements, they might not provide adequate spring power to control and close the door due to varying site conditions and door size.

4. Offset applications will always increase opening force by 2 to 4 pounds due to slide track friction and therefore may not provide A.D.A. opening forces and still allow for adequate spring power to control and close the door.

### **CRL Jackson Overhead Closer Dimensions**

All measurements shown in inches (millimeters)



11-5/8"

(295 mm)

Spindle - 1/2" (13 mm) Standard

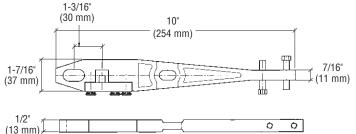
7/8" (22 mm) Extended

5/8"

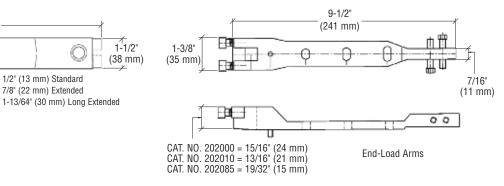
(16 mm)

1-11/16

(43 mm)









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9/16" (14 mm)

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# How To Order CRL Jackson Overhead **Concealed Door Closers**

42" (1067 mm) Wide x 96" (2438 mm) Tall

36" (914 mm) Wide x 96" (2438 mm) Tall

42" (1067 mm) Wide x 96" (2438 mm) Tall

42" (1067 mm) Wide x 96" (2438 mm) Tall

48" (1219 mm) Wide x 96" (2438 mm) Tall



MAXIMUM EXTERIOR DOOR

36" (914 mm) Wide x 96" (2438 mm) Tall

30" (762 mm) Wide x 96" (2438 mm) Tall

36" (914 mm) Wide x 96" (2438 mm) Tall

36" (914 mm) Wide x 96" (2438 mm) Tall

42" (1067 mm) Wide x 96" (2438 mm) Tall







MAXIMUM INTERIOR DOOR

CLOSER SPRING SIZE

Adjustable

Extra Light

Light

Regular

Heavy



**Fixed Spring Closer** 

Adjustable Spring Power Closer

 $28 = 120^{\circ}$ 

HO

XLD

Г									Product Group:	20 = Closer Body and Accessories	#		SWING	FUNCTION	SPRING Size
				21 = Closer Package	01	=	105°	NH	RD						
								•	Application:	1 = Overhead Center Hung Package or Body Only	02	=	105°	HO	RD
										2 = Overhead Offset Package	03	=	90°	NH	RD
											04	=	90°	HO	RD
									Closer Type:	0 = Standard Closer	05	=	105°	NH	LD
										1 = Complies With Grade 1 (A156.4)	06	=	105°	HO	LD
											07	=	90°	NH	LD
								•	Spindle Type:	1 = 1/2" (12.7 mm) Standard Length	08	=	90°	HO	LD
										4 = 7/8" (22.2 mm) Medium Spindle	09	=	105°	NH	HD
										6 = 1-13/64" (30.6 mm) Long Spindle - Special Order Only	10	=	105°	HO	HD
									Package Type:	See Pages D327-D330 for Standard Packages	11	=	90°	NH	HD
										M = Closer Mechanism Only	12	=	90°	HO	HD
										,	13	=	105°	NH	XLD
											14	=	105° 90°	HO NH	XLD XLD
									Finish (Offset Package Only):	628 = Satin Aluminum (US28)	-				
										313 = Dark Bronze (DBZ)	16	=	90°	НО	XLD
						_		•	Swing, Function, and Size:	01 through 28 (See Chart)			: ADJ N ade 1 Cl	ot Available	
											17		105°	NH	ADJ
									Backcheck:	B = With Optional Adjustable Backcheck	18		105°	НО	ADJ
1		Ţ	Į,		Ţ			-	Duononio di	(Grade 1 Closers Only)	19	=	90°	NH	ADJ
21	2	0	•	т Р 6	• 28	01	v D				20	=	90°	HO	ADJ
	Z	-	· ·	r 0	20	01	D				NC	)TE:	120º 0	nly Available	
													ade 1 Cl		
2	12	01	P	62	28	01					21	=	120°	NH	RD
											22	=	120°	HO	RD
											23		120°	NH	LD
					24	=	120°	HO	LD						
	This example shows Cat. No. 21201P62801 which is a CRL Jackson Regular Spring Size, 105 Degree					25	=	120°	NH	HD					
							ead	Сс	ncealed Closer with the	"P" Offset Slide-Arm Hardware Package. Arm	26	=	120°	HO	HD
Fini	Finish is Satin Aluminum.					27	=	120°	NH	XLD					



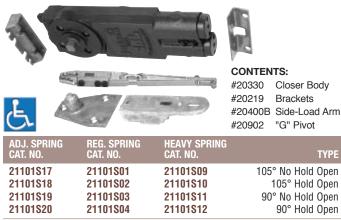
CRL Jackson Overhead Concealed Door **Closer Side-Load Arm Packages** 

- Suitable for Doors From 30" to 48" (762 to 1219 mm) Wide
- Choose Adjustable Spring Power Size 1 to 4 to Meet A.D.A. **Opening Force Requirements**
- 5 Year Limited Warranty
- UL Listed

These Jackson Overhead Concealed Door Closers feature dual valves to control closing and latching speeds. 90 and 105 Degree Hold Open and No Hold Open models are available. Door Closers fit into standard 1-3/4" x 4" (45 x 102 mm), or larger, header extrusions. NOTE: Packages shown represent only the most popular combinations currently used. Other Closer types, packages, spring sizes and spindle lengths are available. See "How to Order" on page D326.

### Side-Load "S" Package

- Floor Mount Pivot for 1-1/2" (38 mm) **Deep Bottom Rail**
- Side-Load Arm for 1/2" (13 mm) Deep Top Rail

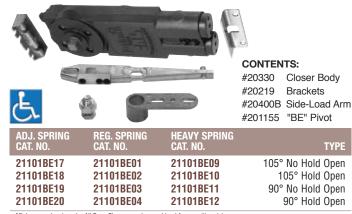


Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

# Side-Load "BE" Package

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- Threshold Mount Pivot for 1" (25 mm) **Deep Bottom Rail**
- Side-Load Arm for 1/2" (13 mm) Deep Top Rail



Minimum order: 1 each. All Door Closers can be combined for quantity pricing

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Side-Load "GE" Package

- Threshold Mount Pivot for 1-1/2" (38 mm) **Deep Bottom Rail**
- Side-Load Arm for 1/2" (13 mm) Deep Top Rail



CONTENTS:

#20330 Closer Body #20219 Brackets #20400B Side-Load Arm #20944 "GE" Pivot

ADJ. SPRING	REG. SPRING	HEAVY SPRING	ТҮРЕ
Cat. No.	CAT. NO.	Cat. No.	
21101GE17	21101GE01	21101GE09	105° No Hold Open
21101GE18	21101GE02	21101GE10	105° Hold Open
21101GE19	21101GE03	21101GE11	90° No Hold Open
21101GE20	21101GE04	21101GE12	90° Hold Open
Minimum order: 1 each	. All Door Closers can be cor	mbined for quantity pricing.	

### Side-Load "U" Package

- Threshold Mount Pivot for 1-1/2" (38 mm) **Deep Bottom Rail**
- Side-Load Arm for 1/2" (13 mm) Deep Top Rail



RING	HEAVY SPRING Cat. No.	ТҮРЕ
01	21101U09	105° No Hold Open
02	21101U10	105° Hold Open
03	21101U11	90° No Hold Open
04	21101U12	90° Hold Open

21101U Minimum order: 1 each. All Door Closers can be combined for quantity pricing

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21101U

21101U

21101U

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21101U17

21101U18

21101U19

21101U20



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# CRL Jackson Overhead Concealed Door **Closer End-Load Arm Packages**

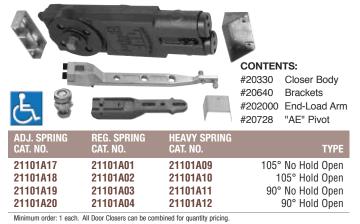
- Suitable for Doors From 30" to 48" (762 to 1219 mm) Wide
- Choose Adjustable Spring Power Size 1 to 4 to Meet A.D.A. **Opening Force Requirements**
- 5 Year Limited Warranty
- UL Listed

These Jackson Overhead Concealed Door Closers feature dual valves to control closing and latching speeds. 90 and 105 Degree Hold Open and No Hold Open models are available. Door Closers fit into standard 1-3/4" x 4" (45 x 102 mm), or larger, header extrusions. NOTE: Packages shown represent only the most popular combinations currently used. Other Closer types, packages, spring sizes and spindle lengths are available. See "How to Order" on page D326.

### End-Load "A" Package

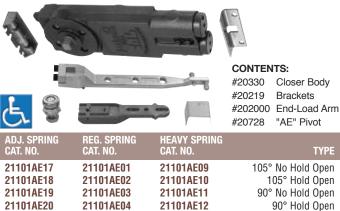
• Threshold Mount Pivot for 1" (25 mm) **Deep Bottom Rail** 

### End-Load Arm for 1" (25 mm) Deep Top Rail



# End-Load "AE" Package

- Threshold Mount Pivot for 1" (25 mm) **Deep Bottom Rail**
- End-Load Arm for 1" (25 mm) Deep Top Rail



Minimum order: 1 each. All Door Closers can be combined for quantity pricing



### End-Load "AP" Package

• Floor Mount Pivot for 1-9/16" (40 mm) **Deep Bottom Rail** 

**US** AL LIMINUN

• End-Load Arm for 1" (25 mm) Deep Top Rail

				ITS: Closer Body Brackets End-Load Arm "P" Pivot
ADJ. SPRING CAT. NO.	REG. SPRING Cat. No.	HEAVY SPRING CAT. NO.		ТҮРЕ
21101AP17 21101AP18 21101AP19 21101AP20	21101AP01 21101AP02 21101AP03 21101AP04	21101AP09 21101AP10 21101AP11 21101AP12	1	° No Hold Open 105° Hold Open ° No Hold Open 90° Hold Open

Minimum order: 1 each. All Door Closers can be combined for quantity pricing

# End-Load "EF" Package

21101EF04

- Threshold Mount Pivot for 1-9/16" (40 mm) **Deep Bottom Rail**
- End-Load Arm for 7/8" (22 mm) Deep Top Rail



Minimum order: 1 each. All Door Closers can be combined for quantity pricing Visit crlaurence.com for all available CRL Jackson door closer packages

21101EF20

TYPE



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21101EF12

90° Hold Open

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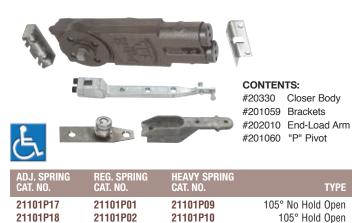
# CRL Jackson Overhead Concealed Door Closer End-Load Arm Packages

- Suitable for Doors From 30" to 48" (762 to 1219 mm) Wide
- Choose Adjustable Spring Power Size 1 to 4 to Meet A.D.A. Opening Force Requirements
- 5 Year Limited Warranty
- UL Listed

These Jackson Overhead Concealed Door Closers feature dual valves to control closing and latching speeds. 90 and 105 Degree Hold Open and No Hold Open models are available. Door Closers fit into standard 1-3/4" x 4" (45 x 102 mm), or larger, header extrusions. **NOTE:** Packages shown represent only the most popular combinations currently used. Other Closer types, packages, spring sizes and spindle lengths are available. See "How to Order" on page D326.

### End-Load "P" Package

- Floor Mount Pivot for 1-9/16" (40 mm) Deep Bottom Rail
- End-Load Arm for 7/8" (22 mm) Deep Top Rail



Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

21101P03

21101P04

21101P19

21101P20

### **CRL Door Pressure Gauge**

• Helps to Determine if Amount of Force Required to Open Doors Meets A.D.A. Regulations

21101P11

21101P12

- Range is from 0 to 35 Pounds (0 to 15.9 kg)
- Pocket Sized Tool is Simple to Use

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Our Door Pressure Gauge shows amount of force (pounds or kilograms) required to open doors so you can determine if door meets A.D.A. regulations. An absolutely vital tool if working on doors in facilities requiring full access to disabled persons. It can also be used to determine the amount of rolling force required to open or close patio doors. Minimum order is one each.

90° No Hold Open 90° Hold Open

Visit crlaurence.com for all available CRL Jackson door closer packages.



Fixed Spring

### End-Load "PE" Package

- Floor Mount Pivot for 1-9/16" (40 mm) Deep Bottom Rail
- End-Load Arm for 7/8" (22 mm) Deep Top Rail



#### CONTENTS:

 #20330
 Closer Body

 #20219
 Brackets

 #202010
 End-Load Arm

 #201060
 "P" Pivot

ADJ. SPRING	REG. SPRING	HEAVY SPRING	ТҮРЕ
Cat. No.	Cat. No.	Cat. No.	
21101PE17 21101PE18 21101PE19 21101PE20	21101PE01 21101PE02 21101PE03 21101PE04	21101PE09 21101PE10 21101PE11 21101PE11 21101PE12	105° No Hold Open 105° Hold Open 90° No Hold Open 90° Hold Open

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Minimum order: 1 each. All Door Closers can be combined for quantity pricing.





CAT. NO. HMC035



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# CRL Jackson Overhead Concealed Door Closers With Offset Arms and Slide Channel Packages

- For Use on 1-3/4" Aluminum Doors With Aluminum Frames
- Suitable for Doors from 30" to 48" (762 to 1219 mm) Wide
- Designed for Use With 3/4" Offset Pivots or Butt Hinged Doors
- Arm Finish Available in Aluminum and Dark Bronze

These CRL Jackson<sup>®</sup> Overhead Concealed Closers with Offset Arms and Slide Channels Hardware Packages consist of a Closer Body, which depending on the selected spring size and function, is suitable for a range of doors from 30" to 48" (762 to 1219 mm) wide. The Closer is packaged complete with Mounting Brackets, Offset Arm Package, Slide Channel, and complete installation instructions. The Closer has dual independent valves for closing operation (one valve for closing, one valve for latching). 90 and 105 Degree Hold-Open and No Hold-Open models are available. Closers fit into standard 1-3/4" x 4" (45 x 102 mm) or larger header extrusions. **NOTE:** Due to the wide variety and styles of doors in use today, CRL Jackson cannot reference specific packages for use with a particular door. The package needed will depend on door and frame type, dimensions, floor type and application. Packages listed below represent the most popular offset combinations currently used. Package contents can be customized to your specifications, please see page D326 on how to order all Jackson 20-330 Overhead Closer models.





### Offset Arm "A" Package

• For 5/8" (16 mm) Deep Top Rail



#### CONTENTS:

#20330 Closer Body
#201376 Mounting Brackets
#201149 Offset Arm Package (Aluminum or Dark Bronze)
#201129 Slide Channel Assembly

PACKAGE SERIES 21201A

### Offset Arm "A4" Package • For 5/8" (16 mm) Deep Top Rail



# CONTENTS: #20330 Closer Body #20951 Mounting Brackets #201149 Offset Arm Package (Aluminum or Dark Bronze) #201129 Slide Channel Assembly

PACKAGE SERIES 21201A4

### Offset Arm "S" Package • For 7/8" (22 mm) Deep Top Rail



#### CONTENTS:

 #20330 Closer Body
 #20951 Mounting Brackets
 #20942 Offset Arm Package (Aluminum or Dark Bronze)
 #20368 Slide Channel Assembly

PACKAGE SERIES 21201S

### Offset Arm "P" Package • For 5/8" (16 mm) Deep Top Rail



### CONTENTS:

#20330 Closer Body
#201178 Mounting Brackets
#201133 Offset Arm Package (Aluminum or Dark Bronze)
#201129 Slide Channel Assembly



### Offset Arm "U" Package • For 7/8" (22 mm) Deep Top Rail



#### CONTENTS:

 #20330
 Closer Body

 #201381
 Mounting Brackets

 #20942
 Offset Arm Package (Aluminum or Dark Bronze)

 #20368
 Slide Channel Assembly

PACKAGE SERIES 21201U

### How To Order CRL Jackson Overhead Concealed Door Closers

- See Page D326 For "How To Order" Chart
- Choose Complete Packages or Door Closer Bodies Only



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# CRL Jackson Overhead Concealed Door Closer Bodies Only

- Closer Body Only Mounting Clips Not Included (See Page D333)
- Multiple Fixed and Adjustable Spring Sizes Available
- Choice of Standard 1/2" (12 mm) Length Spindle and 7/8" (22 mm) Extended Spindle for Patch and Rail Hardware
- Suitable for Doors From 30" to 48" (762 to 1219 mm) Wide

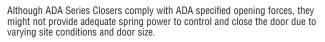
#### • UL Listed

CRL Jackson Overhead Concealed Door Closers feature dual valves to control closing and latching speeds. 90 and 105 Degree Hold-Open and No Hold-Open models are available in multiple spring sizes. Closers fit into standard 1-3/4" x 4" (45 x 102 mm) or larger header extrusions. These Closers will retrofit existing Jackson and similar style closer bodies.

WARNING: An auxiliary floor or overhead door stop is recommended to prevent possible damage to both the closer and entryway due to over-extension of maximum allowable door swing.

# CRL Jackson Adjustable Spring Power Overhead Concealed Door Closer Body









Fixed Spring Models



- Adjustable Spring Power Size 1 (Barrier-Free) to Size 4 (Regular)
- Choice of Standard 1/2" (12 mm) Length Spindle and 7/8" (22 mm) Extended Spindle for Patch and Rail Hardware
- Retrofits Existing Fixed Spring Closers
- 5 Year Limited Warranty

1/2" STANDARD SPINDLE Cat. No.	7/8" EXTENDED SPINDLE Cat. No.	SPRING SIZE	DESCRIPTION
20101M17	20104M17	Adjustable	105° No Hold-Open
20101M18	20104M18	Adjustable	105° Hold-Open
20101M19	20104M19	Adjustable	90° No Hold-Open
20101M20	20104M20	Adjustable	90° Hold-Open

**NOTE:** Body Only – Mounting Clips are not included. (See page D333).

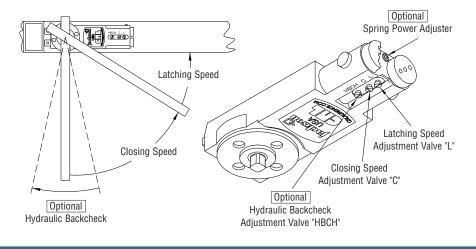
**NOTE** Extra long 1-13/64" (30.6 mm) Extended Spindles are available on special order only.

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

CRL Jackson Closers have been fully tested and adjusted at the factory. The closing and latching speeds have been pre-set to achieve a 6 to 8 second closing cycle. The optional hydraulic backcheck has not been factory pre-set. After installation, cycle the door 10 or more times from the maximum open position to the full closed position prior to making final adjustments.

Adjustable Spring Power - The adjustable spring power has been factory pre-set to size two. To increase the spring power, turn the adjustment screw clockwise. To decrease, turn the adjustment screw counter-clockwise. Typical door opening force adjusts at the rate of approximately 1 pound force (4.5N) for each 3 to 4 revolutions of the adjustment screw.

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# CRL Jackson Standard Overhead Concealed Door Closer Body Only





- Regular and Heavy Fixed Spring Sizes Available
- Choice of Standard 1/2" (12 mm) Length Spindle and 7/8" (22 mm) Extended Spindle for Patch and Rail Hardware
- 5 Year Limited Warranty

**NOTE:** Body Only – Mounting Clips are not included. (See page D333).

**NOTE:** Extra long 1-13/64" (30.6 mm) Extended Spindles are available on special order only.

For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7520. You can e-mail us through our web site at **crlaurence.com**. From the home page click on Contact Us, and then click on Technical Sales for Door and Window Products.



WARNING: An auxiliary floor or overhead door stop is recommended to prevent possible damage to both the closer and entryway due to over-extension of maximum allowable door swing.

**CRL Jackson Grade 1** 

Closer Body Only With Adjustable Backcheck

**Overhead Concealed Door** 

WARNING: An auxiliary floor or overhead door stop is recommended to prevent possible damage to both the closer and entryway due to

over-extension of maximum allowable door swing.

1/2" STANDARD SPINDLE Cat. No.	7/8" EXTENDED SPINDLE Cat. No.	SPRING SIZE	DESCRIPTION
20101M01	20104M01	Regular	105° Hold-Open
20101M02	20104M02	Regular	105° No Hold-Open
20101M03	20104M03	Regular	90° Hold-Open
20101M04	20104M04	Regular	90° No Hold-Open
20101M09	20104M09	Heavy	105° Hold-Open
20101M10	20104M10	Heavy	105° No Hold-Open
20101M11	20104M11	Heavy	90° Hold-Open
20101M12	20104M12	Heavy	90° No Hold-Open
Minimum order: 1 each. All Door Closers ca	an be combined for quantity pricing.		

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- Recommended for High-Frequency Traffic and Heavier Doors
- Adjustable Hydraulic Backcheck
- Regular and Heavy Fixed Spring Sizes Available
- Choice of Standard 1/2" (12 mm) Length Spindle and 7/8" (22 mm) Extended Spindle for Patch and Rail Hardware
- 10 Year Limited Warranty

**NOTE:** Body Only – Mounting Clips are not included. (See page D333).

**NOTE:** Extra long 1-13/64" (30.6 mm) Extended Spindles are available on special order only. 120 Degree Open Closer is available as special order only.

For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7520. You can e-mail us through our web site at **crlaurence.com**. From the home page click on Contact Us, and then click on Technical Sales for Door and Window Products.

1/2" STANDARD SPINDLE Cat. No.	7/8" Extended spindle Cat. No.	SPRING SIZE	DESCRIPTION
20111M01B	20114M01B	Regular	105° Hold-Open
20111M02B	20114M02B	Regular	105° No Hold-Open
20111M03B	20114M03B	Regular	90° Hold-Open
20111M04B	20114M04B	Regular	90° No Hold-Open
20111M09B	20114M09B	Heavy	105° Hold-Open
20111M10B		Heavy	105° No Hold-Open
20111M11B		Heavy	90° Hold-Open
20111M12B		Heavy	90° No Hold-Open

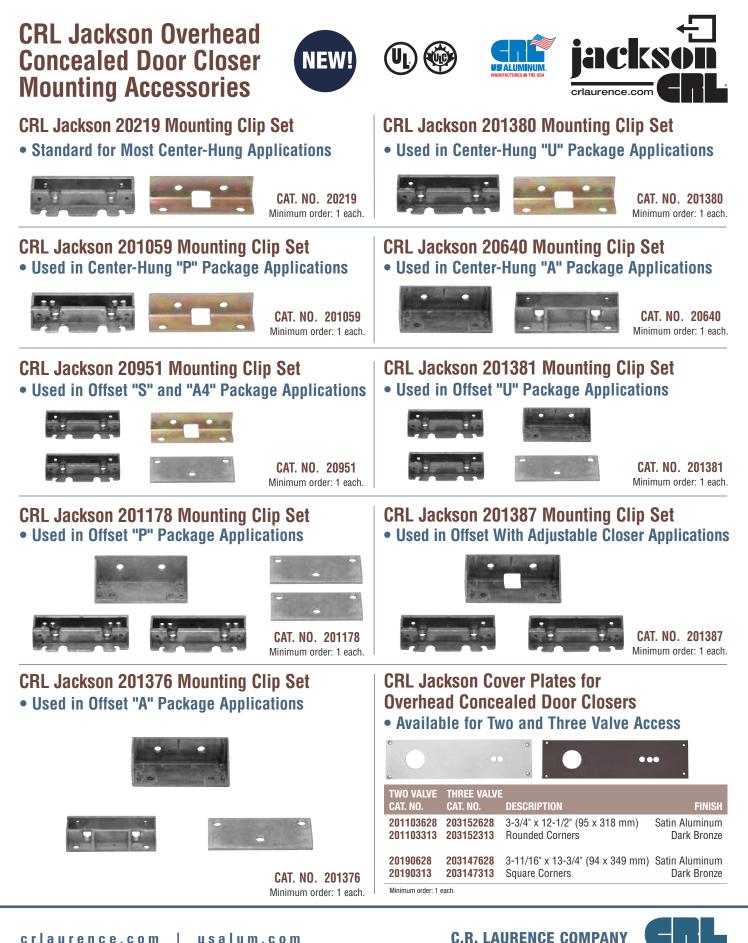
Minimum order: 1 each. All Door Closers can be combined for quantity pricing.



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# CRL Jackson Overhead Concealed Door Closer Accessories

- For Use With Aluminum Doors
- Centering Bolts for Door Alignment

## CRL Jackson "S" Type Side-Load Center-Hung Top Arm Assembly

• For Use With 1/2" (13 mm) Deep Top Rail

### CRL Jackson "A" Type End-Load Center-Hung Top Arm Assembly

• For Use With 1" (25 mm) Deep Top Rail

### CRL Jackson "PT" Type End-Load Center-Hung Top Arm Assembly

• For Use With 7/8" (22 mm) Deep Top Rail

### CRL Jackson "K" Type End-Load Center-Hung Top Arm Assembly

• For Use With 5/8" (16 mm) Deep Top Rail

### CRL Jackson Short End-Load Center-Hung Top Arm Assembly

• For Use With CRL Wedge-Lock® Door Rails

### CRL Jackson Wood Door Side-Load Center-Hung Top Arm Assembly

- 5/8" (16 mm) Depth Mortised Rail
- Mortise Channel Included



**CAT. NO. 20510** Minimum order: 1 each.

NEW!





CAT. NO. 20400B Minimum order: 1 each.



CAT. NO. 202000 Minimum order: 1 each.



**CAT. NO. 202010** Minimum order: 1 each.



CAT. NO. 202085 Minimum order: 1 each.

NEW

CAT. NO. CRL8010AS Minimum order: 1 each.

### CRL Jackson Wood Door End-Load Center-Hung Top Arm Assembly

- 3/4" (19 mm) Depth Mortised Rail
- Mortise Channel Included



CAT. NO. 202090 Minimum order: 1 each.

All Closer Arms can be combined for quantity pricing.



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## CRL Jackson Overhead Concealed Door Closer Accessories

- For Use With Aluminum Framed Doors
- Non-Handed

### **CRL Jackson Deep Mortise Type** Offset Arm and Slide Channel Assembly

- 7/8" (22 mm) Depth Top Rail
- Deep Mortise Type

The Deep Mortise Type Offset Arm Assembly includes a slide-track, offset arm, and all mounting hardware. The slide-track requires a minimum top rail depth of 7/8" (22 mm) to be mortised into the door.

## CRL Jackson Shallow Depth Mortise Type Offset Arm and Slide Channel Assembly

Shallow Depth 5/8" (16 mm) Top Rail

The shallow depth Offset Arm Assembly includes a slide-track, offset arm, and all mounting hardware. The slide track requires a minimum top rail depth of 5/8" (16 mm) to be mortised into the the door.

### CRL Jackson Shallow Depth Mortise Type Offset Arm and Slide Channel Assembly

- Shallow Depth 5/8" (16 mm) Top Rail
- Provides Enhanced Pre-Load

The shallow depth Offset Arm Assembly includes a slide-track, offset arm, and all mounting hardware. The arm provides for enhanced pre-load. The slide track requires a minimum top rail depth of 5/8" (16 mm) to be mortised into the door.

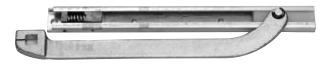
## CRL Jackson Offset Arm Assembly Covers





CAT. NO.	OVERALL LENGTH	ARM FINISH
20900LC628	14" (356 mm)	Aluminum
20900LC313	14" (356 mm)	Dark Bronze

Minimum order: 1 each. All Closer Arms can be combined for quantity pricing



OVERALL LENGTH	ARM FINISH
12-7/8" (327 mm) 12-7/8" (327 mm)	Aluminum Dark Bronze

Minimum order: 1 each. All Closer Arms can be combined for quantity pricing



CAT. NO.	OVERALL LENGTH	ARM FINISH
201312LC628	12-7/8" (327 mm)	Aluminum
201312LC313	12-7/8" (327 mm)	Dark Bronze

Minimum order: 1 each. All Closer Arms can be combined for quantity pricing

- Handed Not Reversible
- Available in Two Finishes



### Fit All Arm Assemblies Shown Above

These Offset Arm Assembly Covers provide protection to the arm assembly and enhance the aesthetics of the installation.

Dimensions: W = 2'' (51 mm) H = 7/8" (22 mm)

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L = 42-1/4" (1073 mm)

CAT. NO.	HANDING	FINISH
20106628	Left Hand	Aluminum
20106313	Left hand	Dark Bronze
20117628	Right Hand	Aluminum
20117313	Right Hand	Dark Bronze

D335

Minimum order: 1 each. All Arm Covers can be combined for quantity pricing

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Right Hand

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## **CRL Overhead Concealed Door Closers**

CRL offers a complete line of Overhead Concealed Door Closers and Accessories. The selection includes a wide range of door closer and hardware options for both center-hung and offset installations. These products will satisfy the needs for both new and retrofit applications. Our standard Overhead Concealed Door Closer will retrofit most installations currently using other brands of similar type door closers without the need to change existing door hardware.

For additional information, contact CRL Door and Window department at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7520. You can e-mail us through our web site at crlaurence.com. From the home page click on Contact Us, and then click on Technical Sales for Door and Window Products.

 Interchangeable With All Jackson Style A.D.A. Compliance Models Available **Overhead Concealed Door Closers**  Available Two Ways: -Door Closer Body With **Mounting Clips** -Door Closer Kits Complete With End-Load or Side-Load Arms, Mounting Clips, and Bottom **Pivot Sets**  Available in Five Spring Sizes, Door Closer Body With Mounting Clips Including Two A.D.A. Models 5 Year Limited Warranty UL Listed Offset Arm Assembly Independent Adjustment Valves Non-Critical valve control adjusts both Closing Speed and Latching Speed independent of each other. Type "A" End-Load Arm Special Retaining Rings Prevent the Adjustment Valve Screws from being backed all the way out of the Door Closer Body. Adjustable Dual-Purpose Bottom Pivot Set **Approximate Opening Force** Type "S" Side-Load Arm

RECOMMENDED FOR LIGHT TO MEDIUM FREQUENCY USE WITH ALUMINUM. WOOD OR METAL DOORS WEIGHING UP TO 200 POUNDS (91 KG)

		APPROXIMATE AVERAGE OPENING FORCE (IN POUND FORCE)			
CLOSER		APPLICABLE DOOR SIZE (WIDTH X HEIGHT)			
SPRING SIZE	APPLICATION	2/6 X 7/0	3/0 X 7/0	3/6 X 7/0	4/0 X 7/0
LIGHT SPRING	Center-Hung	10	8	6	5
	Offset	14	12	10	8
MEDIUM SPRING	Center-Hung	13	11	9	7
	Offset	17	15	13	11
HEAVY SPRING	Center-Hung	17	15	13	11
	Offset	N/A	19	17	15
A.D.A 5 Lb.	Center-Hung	7	5	N/A	N/A
	Offset	10	8.5	6	N/A
A.D.A 8.5 Lb.	Center-Hung	9	8.5	5	N/A
	Offset	13	12	9	7

NOTE: 1. Closer Force readings are in pound force required to open the specified door width, and are taken at the lock stile.

- 2. All opening forces are based on average conditions. Tall or extremely heavy doors, doors that may be subjected to wind, drafts, or extreme air conditioning pressure may require the next size closer.
- 3. Although A.D.A. Door Closers are designed to comply with A.D.A. barrier-free opening force requirements, they might not provide adequate spring power to control and close the door due to varying site conditions and door size.



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## **CRL Adjustable Spring Power Overhead Concealed Door Closers**





- Interchangeable With All **Jackson Style Overhead Concealed Door Closers**
- Adjustable Spring Power Range of 8-1/2 Pounds to Medium Spring Size
- Suitable for Doors From 36" to 42" to Meet A.D.A. Opening Force Requirements
- 5 Year Limited Warranty

#### UL Listed

The CRL Adjustable Spring Power Overhead Concealed Door Closer is available to meet A.D.A. Opening Force requirements. Available as a body only with mounting clips to retrofit existing non-adjustable door closer installations, and as complete packages that includes the Door Closer, Mounting Clips, a Side-Load Arm or an End-Load Arm, and a Bottom Pivot Set. The Door Closer has independent, dual-action valves to control closing and latching speeds.

NOTE: An auxiliary floor or overhead door stop is recommended to prevent possible damage to both the door closer and entryway due to over-extension of maximum allowable door swing.

## **Door Closer Body Only**

Mounting Clips Included



	ТҮРЕ
CDL6762 CDL0762 Adjustable 00° N	0° Hold Open
GREGIOZ GREGIOZ AUJUSTADIE 90 N	No Hold Open
CRL6770 CRL9770 Adjustable 105	5° Hold Open
CRL6772 CRL9772 Adjustable 105° N	No Hold Open

#### Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

#### End-Load "A" Package • Adjustable Bottom Pivot for Floor or Threshold Mounting



#### PRING SIZE CAT. NO. Adjustable 90° Hold Open **CRL8760A** Adjustable **CRL8762A** 90° No Hold Open **CRL8770A** Adjustable 105° Hold Open Adjustable 105° No Hold Open **CRL8772A**

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.



Although the Adjustable Spring Power Door Closer can be adjusted to compensate for site conditions, adequate closing force might not be obtained while complying with A.D.A. opening force requirements.

### Side-Load "S" Package

Independent Adjustment Valves

Non-Critical valve control adjusts

both Closing Speed and Latching

Speed independent of each other.

 Adjustable Dual-Purpose Bottom Pivot for Floor or Threshold Mounting



CONTENTS: #CRL6700 Closer Body #CRL8010FS Brackets #CRL8010S Side-Load Arm #CRL8010DP Pivot

> TYPE 90° Hold Open 90° No Hold Open 105° Hold Open 105° No Hold Open

CAT. NO.	SPRING SIZE	
CRL8760S CRL8762S CRL8770S CRL8772S	Adjustable Adjustable Adjustable Adjustable	

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

### Side-Load "GE" Package Adjustable Bottom Pivot for

**Threshold Mounting** 



#### CONTENTS:

#CRL6700 Closer Body #CRL8010FS Brackets #CRL8010S Side-Load Arm #CBI 8010GE "GE" Pivot

CAT. NO.	SPRING SIZE	ТҮРЕ
CRL8760GE	Adjustable	90° Hold Open
CRL8762GE	Adjustable	90° No Hold Open
CRL8770GE	Adjustable	105° Hold Open
CRL8772GE	Adjustable	105° No Hold Open

Minimum order: 1 each. All Door Closers can be combined for quantity pricing



tension from a minimum of 8-1/2 pounds opening force to a medium spring size to accommodate site conditions and requirements.

Special Retaining Rings Prevent the Adjustment Valve Screws from being backed all the way out of the Door Closer Body.

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Closer Body

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## **CRL Overhead Concealed Door Closer End-Load Packages**





- Interchangeable With All Jackson Style Overhead **Concealed Door Closers**
- For Doors With 1" (25 mm) Top Rail Depth
- Includes All Necessary Parts
- 5 Year Limited Warranty
- UL Listed



Independent Adjustment Valves Non-Critical valve control adjusts both Closing Speed and Latching Speed independent of each other. **Special Retaining Rings** Prevent the Adjustment Valve Screws from being backed all the way out of the Door Closer Body.

These Overhead Door Closer Kits consist of a Medium Spring Size Door Closer, Mounting Clips, Type "A" End-Load Arm, and a "DP" Adjustable Dual-Purpose Bottom Pivot Set. The Door Closer has independent, dual-action valves to control closing and latching speeds. Both 90 and 105 Degree Hold Open and No Hold Open models are available. Door Closer Bodies fit into standard 1-3/4" x 4" (44 x 102 mm), or larger, extrusions. For Door Closers with different spring sizes or hardware options, see Door Closer Bodies with Mounting Clips and Overhead Concealed Door Closer Accessories on pages D341 and D344 to D347.

NOTE: An auxiliary floor or overhead door stop is recommended to prevent possible damage to both the door closer and entryway due to over-extension of maximum allowable door swing.



Although the Adjustable Spring Power Door Closer can be adjusted to compensate for site conditions, adequate closing force might not be obtained while complying with A.D.A. opening force requirements.

## End-Load "A" Package

 Adjustable Dual-Purpose Bottom Pivot for Floor or Threshold Mounting



CONTENTS: #CRL7100 Closer Body #CRL8010FS Brackets #CRL8010A End-Load Arm #CRL8010DP Pivot

CAT. NO.	SPRING SIZE	ТҮРЕ
CRL8160A	Medium	90° Hold Open
CRL8162A	Medium	90° No Hold Open
CRL8170A	Medium	105° Hold Open
CRL8172A	Medium	105° No Hold Open
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## End-Load A.D.A. "A" Package

 Adjustable Dual-Purpose Bottom Pivot for Floor or Threshold Mounting



#CRL6900 Closer Body #CRL8010FS Brackets #CRL8010A End-Load Arm #CRL8010DP Pivot

		0112001021 11101
CAT. NO.	SPRING SIZE	TYPE
CRL8960A	A.D.A. – 8.5 Lb.	90° Hold Open
CRL8962A	A.D.A. – 8.5 Lb.	90° No Hold Open
CRL8970A	A.D.A. – 8.5 Lb.	105° Hold Open
CRL8972A	A.D.A. – 8.5 Lb.	105° No Hold Open
Minimum order: 1 each	All Door Closers can be combined for quantity pricing	1

Minimum order: 1 each. All Door Closers can be combined for quantity pricing

## CRL Door Pressure Gauge

- Helps to Determine if Amount of Force Required to Open Doors Meets A.D.A. Regulations
- Range is From 0 to 35 Pounds (0 to 15.9 kg)
- Pocket Sized Tool is Simple to Use



**C.R. LAURENCE COMPANY** 

Our Door Pressure Gauge shows amount of force (pounds or kilograms) required to open doors so you can determine if door meets A.D.A. regulations. An absolutely vital tool if working on doors in facilities requiring full access to disabled persons. It can also be used to determine the amount of rolling force required to open or close patio doors. Minimum order is one each.



D339

CAT. NO. HMC035



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A.D.A. Compliance Models Available

## **CRL Overhead Concealed Door Closer Side-Load Packages**

- Interchangeable With All Jackson Style Overhead **Concealed Door Closers**
- For Doors With 1/2" (12.7 mm) Top Rail Depth
- 5 Year Limited Warranty
- UL Listed

CAT. NO.

**CRL8160S** 

**CRL8162S** 

**CRL8170S** 

**CRL8172S** 



Independent Adjustment Valves Non-Critical valve control adjusts both Closing Speed and Latching Speed independent of each other.

Special Retaining Rings Prevent the Adjustment Valve Screws from being backed all the way out of the Door Closer Body.

These Overhead Door Closer Kits consist of a Medium Spring Size Door Closer, Mounting Clips, the specified Side-Load Arm, and the specified Bottom Pivot Set. The Door Closer has independent, dual-action valves to control closing and latching speeds. Both 90 and 105 Degree Hold Open and No Hold Open models are available. Door Closer Bodies fit into standard 1-3/4" x 4" (44 x 102 mm), or larger, extrusions.

TYPE

90° Hold Open

105° Hold Open

90° No Hold Open

105° No Hold Open

NOTE: An auxiliary floor or overhead door stop is recommended to prevent possible damage to both the door closer and entryway due to over-extension of maximum allowable door swing.

## Side-Load "S" Package

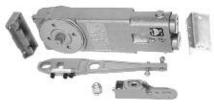
 Adjustable Dual-Purpose Bottom Pivot for Floor or Threshold Mounting



Although the Adjustable Spring Power Door Closer can be adjusted to compensate for site conditions, adequate closing force might not be obtained while complying with A.D.A. opening force requirements.

## Side-Load "GE" Package

• Adjustable Bottom Pivot for Threshold Mounting



CONTENTS: #CRL7100 Closer Body #CRL8010FS Brackets #CRL8010S Side-Load Arm #CRL8010GE "GE"Pivot

CAT. NO.	SPRING SIZE	ТҮРЕ
CRL8160GE	Medium	90° Hold Open
CRL8162GE	Medium	90° No Hold Open
CRL8170GE	Medium	105° Hold Open
CRL8172GE	Medium	105° No Hold Open
Minimum order: 1 each. A	Il Door Closers can be combined for quantity pricing.	

## Side-Load A.D.A. "S" Package

PRING SIZE

Medium

Medium

Medium

Medium Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

• Adjustable Dual-Purpose Bottom Pivot for Floor or Threshold Mounting

<b>)</b> () ()		CONTENTS: #CRL6900 Closer Body #CRL8010FS Brackets #CRL8010S Side-Load Arm #CRL8010DP Pivot
CAT. NO.	SPRING SIZE	ТҮРЕ
CRL8960A	A.D.A. – 8.5 Lb.	90° Hold Open
CRL8962A	A.D.A. – 8.5 Lb.	90° No Hold Open
CRL8970A	A.D.A. – 8.5 Lb.	105° Hold Open
CRL8972A	A.D.A. – 8.5 Lb.	105° No Hold Open

### Side-Load A.D.A. "GE" Package • Adjustable Bottom Pivot for Threshold Mounting



#### CONTENTS:

#CRL6900 Closer Body #CRL8010FS Brackets #CRL8010S Side-Load Arm #CRL8010GE "GE" Pivot

CAT. NO.	SPRING SIZE	TYPE
CRL8960GE	A.D.A. – 8.5 Lb.	90° Hold Open
CRL8962GE	A.D.A. – 8.5 Lb.	90° No Hold Open
CRL8970GE	A.D.A. – 8.5 Lb.	105° Hold Open
CRL8972GE	A.D.A 8.5 Lb.	105° No Hold Open
Minimum order: 1 each. All Door Closers can be combined for quantity pricing.		





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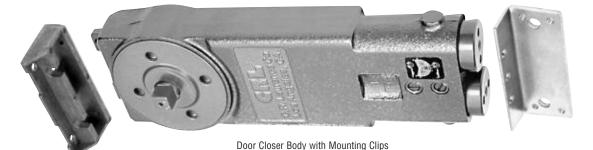
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## **CRL Overhead Concealed Door Closer Bodies With Mounting Clips**



A.D.A. Compliance Models Available





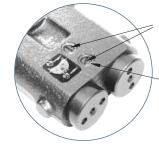
- Interchangeable With All **Jackson Style Overhead Concealed Door Closers**
- 20 Models Available
- 5 Year Limited Warranty

#### UL Listed

There are two advantages to buying our Door Closer Bodies with Mounting Clips. The first is if you are only replacing a worn out Door Closer, you will reduce your costs by not purchasing unnecessary hardware. The second is that by adding accessories you can get a Door Closer with the exact accessories you need for the job you are doing. Just select a Door Closer from the charts below and add the different accessory parts (Pivots, Arms, etc.) you need to create the Door Closer package of your choice. Each Door Closer Body comes packaged with Mounting Clips, Templates, and Instructions.

### Select From the Accessories on Pages D344 to D347 to Get Exactly the Package You Need to Complete the Job

Conveniently Packaged With Templates and Instructions



Independent Adjustment Valves Non-Critical valve control adjusts both Closing Speed and Latching Speed independent of each other.

Special Retaining Rings

Prevent the Adjustment Valve Screws from being backed all the way out of the Door Closer Body.

NOTE: An auxiliary floor or overhead door stop is recommended to prevent possible damage to both the door closer and entryway due to over-extension of maximum allowable door swing.

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#### **REQUIRED DOOR CLOSER SPRING SIZE FOR YOUR APPLICATION**

SERIES	SPRING SIZE	DOOR SIZE
CRL7000	Light	Up to 30" (762 mm) Wide x 96" (2438 mm) High
CRL7100	Medium	31" to 41" (787 to 1041 mm) Wide x 96" (2438 mm) High
CRL7200	Heavy	42" to 48" (1067 to 1219 mm) Wide x 96" (2438 mm) High
CRL6700	Adjustable	Up to 42" (1067 mm) Wide x 96" (2438 mm) High
CRL6800	A.D.A 5 Lb. (Interior)*	36" (914 mm) Wide x 96" (2438 mm) High
CRL6900	A.D.A 8.5 Lb. (Exterior)*	36" (914 mm) Wide x 96" (2438 mm) High

Weight and Size Limitations

Door Weight: 200 Lbs. (91 kg) Exterior Door Width: 42" (1067 mm) Interior Door Width: 48" (1219 mm) All Doors Height: 96" (2438 mm)

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

#### STANDARD MODEL DOOR CLOSER BODIES

SPRING Size	90° HOLD Open Cat. No.	90° NO HOLD Open Cat. No.	105° HOLD Open Cat. No.	105° NO HOLD Open Cat. No.
Light	CRL7060	CRL7062	CRL7070	CRL7072
Medium	CRL7160	CRL7162	CRL7170	CRL7172
Heavy	CRL7260	CRL7262	CRL7270	CRL7272

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

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A.D.A. COMPLIANCE MODEL DOOR CLOSER BODIES MEET THE **REQUIREMENTS OF THE AMEF** 

**CRL6862** 

**CRL6962** 

**C.R. LAURENCE COMPANY** 

90° NO HOLD Open Cat. No.	105° HOLD Open Cat. No.	105° NO HOLD Open Cat. No.
CBL6762	CRL6770	CRL6772

**CRL6870** 

**CRL6970** 

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

90° HOLD

OPEN CAT. NO.

**CRL6760** 

**CRL6860** 

**CRL6960** 



Although A.D.A. Series Door Closers comply with A.D.A. specified opening forces, they might not provide adequate spring power to control and close the door due to varying site conditions and door size.

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**US** ALUMINUM

**CRL6872** 

**CRL6972** 

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SPRING SIZE

Adjustable

A.D.A.- 5 Lb.

A.D.A.- 8.5 Lb.

A.D.A. Compliance Models Available

## CRL Overhead Concealed Door Closers for Patch Fittings and Door Rails

- Interchangeable With All Jackson Style Overhead Concealed Door Closers
- Extended 3/4" (19 mm) Long Spindle for Use With Patch Fittings and Door Rail Hardware
- New Adjustable Models
- 5 Year Limited Warranty
- UL Listed
- Conveniently Packaged With Templates and Instructions



#### OVERHEAD DOOR CLOSERS FOR PATCH FITTINGS AND DOOR RAILS

CAT. NO.	SPRING SIZE	ТҮРЕ
CRL9760	Adjustable	90° Hold Open
CRL9762	Adjustable	90° No Hold Open
CRL9770	Adjustable	105° Hold Open
CRL9772	Adjustable	105° No Hold Open
CRL9970	A.D.A – 8.5 Lb.*	105° Hold Open
CRL9972	A.D.A – 8.5 Lb.*	105° No Hold Open
CRL9160	Medium	90° Hold Open
CRL9162	Medium	90° No Hold Open
CRL9170	Medium	105° Hold Open
CRL9172	Medium	105° No Hold Open
CRL9260	Heavy	90° Hold Open
CRL9262	Heavy	90° No Hold Open
CRL9270	Heavy	105° Hold Open
CRL9272	Heavy	105° No Hold Open

Minimum order: 1 each. All Door Closers can be combined for quantity pricing



<sup>\*</sup>Although A.D.A. Series Door Closers comply with A.D.A. specified opening forces, they might not provide adequate spring power to control and close the door due to varying site conditions and door size.

# (3.) E

Door Closer Body with Mounting Clips

These Overhead Concealed Door Closers have a longer spindle [approximately 3/4" (19 mm)], which is the preferred length when used in conjunction with Patch Fittings or Door Rail Hardware. The Door Closer has dual action, non-critical valves for independent closing operation. 90 and 105 Degree Hold Open and No Hold Open models are available. Mounting Clips and instructions are included with each Door Closer Body.

#### Extended Length Spindle

3/4" (19 mm) Length Spindle for use with Patch Fittings and Door Rail Hardware or when extra reach is needed.

#### Independent Adjustment Valves

Non-Critical valve control adjusts both Closing Speed and Latching Speed \_\_\_\_\_\_independent of each other.

#### Special Retaining Rings

Prevent the Adjustment Valve Screws from being backed all the way out of the Door Closer Body.

#### Weight and Size Limitations

Door Weight: 200 Lbs. (91 kg) Exterior Door Width: 42" (1067 mm) Interior Door Width: 48" (1219 mm) All Doors Height: 96" (2438 mm)

## CRL Patch Fittings and Door Rails for Use With Overhead Concealed Door Closers

- Fits All Door Closers Listed Above
- Available in Popular Architectural Finishes



• See Our Complete Patch Fitting Selection at crlaurence.com  See Our Complete Wedge-Lock® Door Rail and Patch Door Rail Hardware Selection at crlaurence.com













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A.D.A. Compliance

Models Available

### CRL Replacement Overhead Concealed Door Closers for Original Kawneer® Husky®

- Spindle Set in the Diamond Position at 0°
- Replace Existing Pre-1998 Original Kawneer® Husky® Closers
- 5 Year Limited Warranty
- UL Listed

This CRL Overhead Concealed Door Closer incorporates a spindle set in the diamond position, instead of a square position, at 0 degrees. This enables door installers to replace existing pre-1998 Kawneer® original style Husky® Door Closers without the need to change the door arm, which requires a diamond pattern spindle engagement. With the addition of our Retrofit Clips for either 4" or 4-1/2" (102 or 114 mm) headers, the existing door closer can be replaced without the need to replace any additional door hardware. The existing Center-Hung or Offset Arms can be used, as well as the existing pivot.

These Overhead Concealed Door Closers are available in 105 degree Hold Open and No Hold Open styles, with Medium Spring Size, and an 8.5 pound model for A.D.A. exterior door applications. A diamond pattern End-Load Center-Hung Replacement Arm, Cat. No. CRL8010H, is also available.

**NOTE:** May require considerable alterations to retrofit. Mounting Clips shown below are sold separately and are required to mount Closer.

**NOTE:** An auxiliary floor or overhead door stop is recommended to prevent possible damage to both the door closer and entryway due to over-extension of maximum allowable door swing.

### CRL "H" Type Diamond Position End-Load Arm Assembly



"H" Type End Load Arms are designed for use with the pre-1998 original Kawneer® Husky® style Door Closers and CRL Diamond Spindle Retrofit Door Closers. Minimum order is one each.

#### CAT. NO. CRL8010H

 $\mathsf{Husky}^{\circledast}$  and  $\mathsf{Kawneer}^{\circledast}$  are registered trademarks of Kawneer Company, Inc.

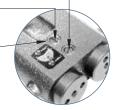


Door Closer Body Only

#### Independent Adjustment Valves

Non-Critical valve control adjusts both Closing Speed and Latching Speed independent of each other.

Special Retaining Rings Prevent the Adjustment Valve Screws from being backed all the way out of the Door Closer Body.



#### REPLACEMENT OVERHEAD CONCEALED DOOR CLOSER BODIES

105° HOLD OPEN CAT. NO.	105° NO HOLD Open Cat. No.	SPRING Size	DOOR SIZE (WIDTH)
CRL7770	CRL7772	Medium	31" to 41" (787 to 1041 mm)
CRL7670	CRL7672	A.D.A – 8.5 Lb.*	36" to 48" (914 to 1219 mm)

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.



Although A.D.A. Series Door Closers comply with A.D.A. specified opening forces, they might not provide adequate spring power to control and close the door due to varying site conditions and door size.

## CRL Retrofit Mounting Clip Set for Kawneer® Husky®

These Mounting Clip Sets allow you to use our Overhead Concealed Door Closers in headers fabricated for pre-1998 Kawneer® Husky® Door Closers (the 24-3/8" long ones).



CAT. NO.	USED WITH
CRL8010RK4	4" (102 mm) Header
CRL8010RK45	4-1/2" (114 mm) Header
Minimum order: 1 each.	



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## CRL Overhead Concealed Door Closer Accessories CRL Short End-Load Center-Hung Top Arm Assembly

#### Designed to Fit CRL Wedge-Lock<sup>®</sup> Door Rails

Short End-Load Top Arms are specially designed to fit the CRL Wedge-Lock® Door Rail System. This Arm simply bolts to the pre-installed slide-block on the top rail, and can be adjusted to help center the door once the Arm is attached to the closer. Minimum order is one each.

## CRL "A" Type End-Load Center-Hung Top Arm Assembly

### • 1" (25 mm) Depth Top Rail

"A" Type End-Load Top Arms have no in or out adjustment. The two bolts in the end of the Arm adjust the centering of the door. Used in 1" (25 mm) depth top rails with an opening at the end of the rail. Minimum order is one each.

## CRL "PT" Type End-Load Center-Hung Top Arm Assembly

### • 7/8" (22 mm) Depth Top Rail

"PT" Type End-Load Top Arms have no in or out adjustment. The two bolts in the end of the Arm adjust the centering of the door. Used in 7/8" (22 mm) depth top rails with an opening at the end of the rail. Minimum order is one each.

### CRL "K" Type End-Load Center-Hung Top Arm Assembly

#### • 5/8" (16 mm) Depth Top Rail

"K" Type End-Load Top Arms have no in or out adjustment. The two bolts in the end of the Arm adjust the centering of the door. Used in 5/8" (16 mm) depth top rails with an opening at the end of the rail. Minimum order is one each.

## **CRL "S" Type Side-Load Center-Hung Top Arm Assembly**

### • 1/2" (12 mm) Depth Top Rail

"S" Type Adjustable Side-Load Top Arms have an adjusting screw at the end of the Arm to allow the door to be adjusted in or out to match the jambs. The two bolts in the other end of the Arm adjust the centering of the door. Used in 1/2" (12 mm) depth top rails with a notch in the side. Minimum order is one each.

## **CRL Replacement Hardware**

Fits End-Load Center-Hung Arms

**US** ALUMINUM



CAT. NO.	DESCRIPTION
ELB2 ELS1	End-Load Arm Block With Two Screws Screws and Lock Washers Only – Two Per Package
Minimum order: 1 each.	

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CAT. NO.CRL8010S

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Qu.	
CAT. NO.	DESCRIPTION
CRL8010SCP SLB3	Side-Load Arm Cover Plate Side-Load Arm Block With Three Screws
SLS1	Screws and Lock Washers Only – Three Per Package
Minimum order: 1 each	

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All Mounting Clip Sets can be combined for quantity pricing.

### **CRL Overhead Concealed Door Closer Accessories CRL "V0" Type Offset Arm Assembly** CRL "JO" Type Offset Arm Assembly

- 7/8" (22 mm) Depth Top Rail
- Deep Mortise Type



The "J0" Type Arm Assembly includes a slide-track, offset arm, and all mounting hardware. The slide-track requires a minimum top rail depth of 7/8" (22 mm) to be mortised into the door. For a replacement Vinyl Slide Block order Cat. No. JOSB.

CAT. NO.	FINISH
CRL8010J0XAL	Painted Aluminum
CRL8010J0XBRZ	Painted Dark Bronze
JOSB	Replacement Vinyl Slide

Minimum order: 1 each. All Door Closer Arms can be combined for quantity pricing.

## **CRL Standard Mounting Clip Set**





This Mounting Clip Set is the standard set supplied with all of our Overhead Concealed Door Closers. Minimum order is one each.

CAT. NO. CRL8010FS

## **CRL Optional Mounting Clip Set**



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This Mounting Clip Set is used on Kawneer® Doors, and with the CRL8010CP Cover Plate. Minimum order is one each. CAT. NO. CRL8010FK

## **CRL Optional Mounting Clip Set**



This Mounting Clip Set is commonly used with U.S. Aluminum type of installations. Minimum order is one each.

CAT. NO. CRL8010FU Kawneer® is a registered trademark of Alcoa Inc., and its subsidaries and affiliates.

• 9/16" (14 mm) Depth Top Rail Shallow Mortise Type





The "V0" Type Arm Assembly includes a slide-track, offset arm, and all mounting hardware. The slide-track requires a minimum top rail depth of 9/16" (14 mm) for shallow mortise installation. For a replacement Vinyl Slide Block order Cat. No. VOSB.

CAT. NO.	FINISH
CRL8020V0XAL	Painted Aluminum
CRL8020V0XBRZ	Painted Dark Bronze
VOSB	Replacement Vinyl Slide
Minimum order: 1 each.	

## **CRL Optional Mounting Clip Set**



This Mounting Clip Set is commonly used with Arch Aluminum type of installations. Minimum order is one each.

CAT. NO. CRL8010FA

### **CRL Optional Adjustable Mounting Clip** Fits All CRL Style Overhead Concealed Closers



This Adjustable Mounting Clip allows the door closer to be adjusted within the header to help center the door. Minimum order is one each.

CRL8010CPDU

Minimum order: 1 each.

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CAT. NO. CANBRKT

### **CRL Cover Plate for Overhead Concealed Door Closers**

This Cover Plate is designed for use with aluminum headers. Spindle and valve access holes are pre-fabricated. Requires Cat. No. CRL8010FK Mounting Clip Set to attach. Minimum order is one each.



**USALUMINUM** 

Dark Bronze

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## **CRL Center-Hung Floor Mounted Bottom Pivots CRL Adjustable Dual-Purpose Bottom Pivot Set**

#### • Dual-Purpose Pivot Mounts Directly to Floor or Threshold

#### For Use With Both End-Load and Side-Load Arms

This Adjustable Dual-Purpose Bottom Pivot Set is for use with 1" (25 mm) deep bottom door rail applications, and is the standard Bottom Pivot Set supplied with our "S" and "A" Type Door Closer

packages. It can be used with the base plate for floor mounting or attached directly to the threshold. A 3/16" (5 mm) height adjustment is possible with the door on or off the pivot. This Pivot is suitable for either end-load or side-load center-hung applications. Maximum weight capacity is 200 pounds (90.7 kg). Minimum order is one each.

### CRL Heavy-Duty Adjustable Dual-Purpose Bottom Pivot Set

#### Dual-Purpose Pivot Mounts Directly to Floor or Threshold

#### For Use With Both End-Load and Side-Load Arms

This Heavy-Duty Adjustable Dual-Purpose Pivot Set is for use with 1" (25 mm) deep bottom door rail applications, and can be used in place of the standard Bottom Pivot Set. The solid steel base plate has additional mounting holes to

support heavier doors with higher traffic. A 3/16" (5 mm) height adjustment is possible with the door on or off of the pivot. This Pivot is suitable for either end-load or side-load center-hung applications. Maximum weight capacity is 200 pounds (90.7 kg). Minimum order is one each.

### CRL Door-On Adjustable Bottom Pivot Set

Bottom Clearance Adjustable From 1/4" to 1/2" (6 to 12 mm)

#### For Use With End-Load Arm Applications

This Door-On Adjustable Bottom Pivot Set is intended for use with end-load applications, and can be used with bottom door rails with a minimum of 1" (25 mm) depth. This Pivot allows the door clearance to be adjusted from 1/4" to 1/2" (6 to 12 mm) with the door installed. Maximum weight capacity is 200 pounds (90.7 kg). Minimum order is one each.

## CRL Adjustable Side-Load Floor Mount Bottom Pivot Set

#### • "G" Type for Use With Side-Load Arms

#### 3/16" (5 mm) Height Adjustment

This Adjustable Bottom Pivot Set is for use with 1-1/2" (38 mm) deep bottom door rail applications. It mounts directly to the floor, and is intended for use with side-load applications. A 3/16" (5 mm) height adjustment is possible with the door installed, and requires an adjustment hole in the end of the door. Maximum weight capacity is 150 pounds (68 kg). Minimum order is one each.

### CRL Adjustable Side-Load Threshold Mount Bottom Pivot Set

#### "GE" Type for Use With Side-Load Arms

#### 3/16" (5 mm) Height Adjustment

This Adjustable Bottom Pivot Set is for use with 1-1/2" (38 mm) deep bottom door rail applications. It mounts to the threshold and is intended for use with side-load applications. A 3/16" (5 mm) height adjustment is possible with the door installed, and requires an adjustment hole in the end of the door. Maximum weight capacity is 150 pounds (68 kg). Minimum order is one each.



CAT. NO. CRL8010GE

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**CAT. NO. CRL8010G** 





CAT. NO. CRL8010ADJ

CAT. NO. CRL8010HDP



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CAT. NO. CRL8010DP

## **CRL Center-Hung Floor Mounted Bottom Pivots**

### CRL Automatic Door Bottom Pivot

• Allows Doors to Swing Free

This is a 1" (25 mm) diameter Center-Hung Type Pivot used with Dor-O-Matic<sup>®</sup> type automatic doors to allow a door to swing free. Minimum order is one each.

Dor-O-Matic is a registered trademark of Ingersol-Rand Company



CAT. NO. CRL8010DBP

### CRL Heavy-Duty Free-Swinging Bottom Pivot Set

### • Designed to Fit CRL Wedge-Lock<sup>™</sup> Door Rails



This Heavy-Duty Bottom Pivot Set is specially designed to fit CRL Wedge-Lock<sup>\*\*</sup> Door Rails. Minimum order is one each.

CAT. NO. CRL8010SET

### CRL Floor Mounted Adjustable Free-Swinging Pivot

- 220 Pound (100 kg) Capacity
- 3/16" (5 mm) Height Adjustment

This CRL Adjustable Threshold or Floor Mounted Bottom Free-Swinging Pivot provides a 3/16" (5 mm) height adjustment, and is ideal for use with our PH10C, PH11C, and EUR410 Bottom Door Patch Fittings. Minimum order is one each. CAT. NO. 1NT403

### CRL Floor Mounted Adjustable Free-Swinging Pivot

- "MAB" Square Tapered Spindle
- 220 Pound (100 kg) Capacity

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This Adjustable Bottom Pivot requires a 7/8" to 1" (22 to 25.4 mm) diameter hole. "Mab" style square tapered type spindle provides 1/4" (6 mm) height adjustment. Ideal for use with our PH10D and PH11D Bottom Door Patch Fittings. Minimum order is one each.



CAT. NO. 1NT404

### CRL Complete Heavy-Duty Bottom Pivot With Plate

 Designed to Fit CRL Wedge-Lock<sup>™</sup> Door Rails

This Heavy-Duty Floor Mounted Bottom Pivot With Plate is designed to be used with CRL Wedge-Lock<sup>™</sup> Door Rail Systems. Minimum order is one each.



CAT. NO. CRL8010BP

## **CRL Threshold Base Plate**

- For Use With CRL8010SET Bottom Pivot
- Allows the Use of a 1/2" (12.7 mm) High Threshold



The Threshold Base Plate is designed to support the door weight when used with our Cat. No. CRL8010SET Heavy-Duty Free-Swinging Bottom Pivot Set. The base plate mounts to the floor, and allows the use of a 1/2" (12.7 mm) high threshold. Minimum order is one each. CAT. NO. CRL8010TBP

### CRL Floor Mounted Free-Swinging Pivot

- 7/8" (22 mm) Flat Tapered Spindle
- 440 Pound (200 kg) Capacity

CRL Floor Mounted Free-Swinging Pivot with 7/8" (22 mm) flat tapered type spindle for use with CRL Patch and Door Rail Systems. Minimum order is one each.

CAT. NO. 1NT402

### CRL Floor Mounted Adjustable Free-Swinging Pivot

- Flat Tapered Spindle
- 220 Pound (100 kg) Capacity

This Adjustable Bottom Pivot requires a 7/8" to 1" (22 to 25.4 mm) diameter hole. Flat tapered type spindle provides 1/4" (6 mm) height adjustment. Ideal for use with CRL Patch and Door Rail Systems. Minimum order is one each.

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CAT. NO. 1NT406



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## **DORMA® RTS88 Series Overhead Concealed Door Closers**

- Standard and A.D.A. Compliant Spring Sizes
- Regular and Extended Spindles Available
- Accommodates Doors Weighing Up to 250 Lbs.
- Suitable for Doors Up to 48" (1219 mm) Wide
- Five Year Warranty

The Dorma<sup>®</sup> RTS88 Series Overhead Concealed Closers are designed to fit into a 1-3/4" x 4" (44 x 102 mm) header for aluminum frames. The closer is capable of accommodating doors weighing up to a maximum of 250 pounds (113 kg) with exterior doors up to 42" (1067 mm) and interior doors up to 48" (1219 mm).

The non-handed, double-acting closer is available in 90 degree or 105 degree swing models with hold or no hold open functions. Sweep and latch closing speeds are controlled by two independent, non-critical temperature compensating valves. Available in both standard and extended spindle lengths to accommodate most door types.



NEW

Regular Spindle Models



Extended Spindle Models

REGULAR SPINDLE HOLD-OPEN CAT. NO.	REGULAR SPINDLE NO HOLD-OPEN CAT. NO.	EXTENDED SPINDLE Hold-open Cat. No.	EXTENDED SPINDLE No Hold-open Cat. No.	DEGREE	SPRING SIZE	DOOR SIZE
RTS88105H0BF1	RTS88105NH0BF1	RTS88105XH0BF1	RTS88105XNHBF1	105°	BF1	ADA 5 lb. Max. at 36" Door
RTS88105H0BFE	RTS88105NH0BFE	RTS88105XH0BFE	RTS88105XNHBFE	105°	BFE	ADA 8.5 lb. Max. at 36" Door
RTS8890H03	RTS8890NH03	RTS8890XH03	RTS8890XNH03	90°	3	Ext: 30" to 36" – Int: 36" to 42"
RTS88105H03	RTS88105NH03	RTS88105XH03	RTS88105XNH03	105°	3	Ext: 30" to 36" – Int: 36" to 42"
RTS8890H04 RTS88105H04	RTS8890NH04 RTS88105NH04			90° 105°	4 4	Ext: 36" to 42" – Int: 42" to 48" Ext: 36" to 42" – Int: 42" to 48"

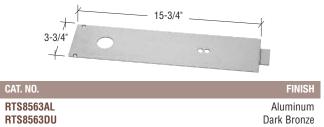
Minimum order: 1 each. All Door Closers can be combined for quantity pricing.



Although DORMA RTS88 BFI / BFE Series Closers comply with barrier-free ADA specified opening forces, they may not provide adequate spring power to control and close the door due to varying site conditions and door size.

## **Dorma RTS Series Cover Plates**

The Dorma<sup>®</sup> Cover Plate is designed for use with aluminum type headers and fits the RTS Series Overhead Concealed Closers. Spindle and valve access holes are pre-fabricated.



Minimum order: 1 each

DORMA is a registered trademark of DORMA Properties, Inc.

**NOTE:** An auxiliary floor or overhead door stop is recommended to prevent possible damage to both the Closer and entryway due to over-extension of maximum allowable door swing.

## Dorma RTS Offset Arm and Slide Channel



This Dorma® RTS Offset Arm and Slide Channel Set is intended for use with 3/4" (19 mm) deep top rails. The non-handed assembly includes a slide-track, offset arm and all mounting hardware. It is used with aluminum, steel or wood doors, hung on 3/4" (19 mm) offset pivots or 4-1/2" (114.3 mm) wide butt hinges. Requires a minimum 3/4" (19 mm) top door rail depth. Minimum order is one each.

#### CAT. NO. RTS8812



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## LCN® 2030 Series Overhead Concealed Closers

- Heavy-Duty Closer Designed to Fit in a 1-3/4" x 4" Header
- Fixed Spring Sizes for Doors Up to 54"
- Barrier-Free Models to Meet A.D.A. Barrier-Free Requirements
- Certified ANSI A156.4, Grade 1
- UL and C-UL Listed for Self Closing Doors

LCN specializes in solving door control problems through the use of high quality, innovative door control products. By adhering to high standards of performance, LCN has earned a leadership role within the industry and is committed to providing the best door closers in the world. The concealed 2030 Series is a heavy-duty closer designed for offset applications with a single lever arm and roller track assembly to provide a smooth, quiet door control. For additional information, contact CRL Door and Window Department at (800) 421-6144 in the U.S., or (877) 421-6144 from Canada, and ask for Ext. 7520. You can also visit our web site at **crlaurence.com**.

**NOTE:** An auxiliary floor or overhead stop is recommended to prevent possible damage to both the closer and entryway due to over-extension of maximum allowable door swing.

## LCN® Hold-Open Clip for Standard Track

- Mounts in Track to Provide Hold-Open Function
- Hold-Open Point Controlled by Clip Location

### LCN® Track Bumper for Standard Track

- Mounts in Track to Assist With Backcheck
- Limits Maximum Opening

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NOTE: Track Bumper Does Not Replace Auxiliary Stop

## LCN® Track Roller for Standard Track

• Quiet, Low Friction Roller Assembly





#### 2030 SERIES OVERHEAD CONCEALED CLOSERS

NEW

LEFT HAND Cat. No.	RIGHT HAND Cat. No.	FINISH	SPRING SIZE	CLOSER DESCRIPTION
2031LAL	2031RAL	Aluminum	1	ADA 5 lb. Max. at 36" Door
2031LDU	2031RDU	Dark Bronze	1	ADA 5 lb. Max. at 36" Door
2033LAL	2033RAL	Aluminum	3	Ext: to 30" – Int: 34" to 38"
2033LDU	2033RDU	Dark Bronze	3	Ext: to 30" – Int: 34" to 38"
2034LAL	2034RAL	Aluminum	4	Ext: 30" to 36" – Int: 38" to 48"
2034LDU	2034RDU	Dark Bronze	4	Ext: 30" to 36" – Int: 38" to 48"
2035LAL	2035RAL	Aluminum	5	Ext: 36" to 42" – Int: 48" to 54"
2035LDU	2035RDU	Dark Bronze	5	Ext: 36" to 42" – Int: 48" to 54"

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

Although A.D.A Closers comply with barrier-free ADA specified opening forces, they may not provide adequate spring power to control and close the door due to varying site conditions and door size.



CAT. NO. 2030169 Minimum order: 1 each.



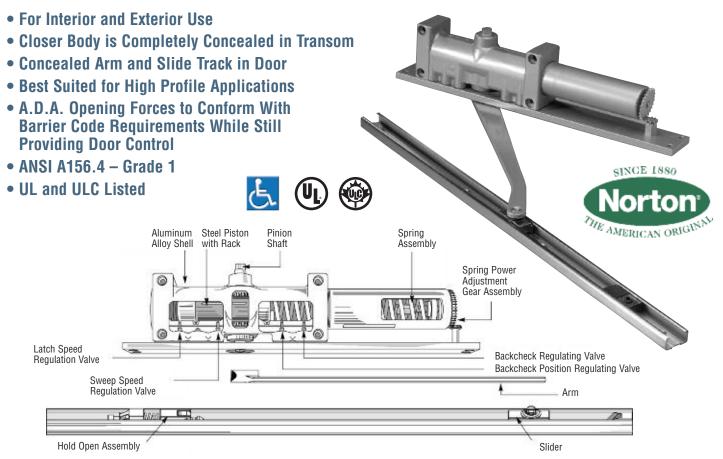
CAT. NO. 20303034 Minimum order: 1 each.



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## **CRL Norton® 7900 Series Overhead Concealed Door Closers**



Overhead Concealed Door Closers provide an aesthetically appealing way to close a door. In situations where a closer is needed but concealment in the frame header is required or desired, the Norton® 7900 Closer is the ideal solution for door control. Once installed, only the solid one-piece arm is visible when the door is open; therefore, this unit provides a high degree of vandal resistance. When the door is closed, the closer, arm and slide track are fully concealed.

Norton<sup>®</sup> 7900 Overhead Closers are best suited for high-profile applications, such as office buildings or conference centers. This heavy-duty, durable closer package includes a steel track, steel slider, polymer slider pads, and dress plates. The steel track and slider offer additional strength to the unit, while the polymer pads provide quiet operation and easy assembly. Standard features include rack and pinion operation, adjustable sweep and latch, plus adjustable backcheck cushioning and positioning.

#### 7900BF1 SERIES CLOSERS

**US** ALUMINUM

NO HOLD OPEN Cat. No.	HOLD OPEN Cat. No.	FINISH	CLOSER DESCRIPTION
7900BF1RA	7900BF1HRA	Aluminum	Right Hand - Size 1 to 6
7900BF1RDU	7900BF1HRDU	Dark Bronze	Right Hand - Size 1 to 6
7900BF1LA	7900BF1HLA	Aluminum	Left Hand - Size 1 to 6
7900BF1LDU	7900BF1HLDU	Dark Bronze	Left Hand - Size 1 to 6

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

D350

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#### PACKAGING INFORMATION:

All Norton<sup>®</sup> Series 7900 Closers are packed one to a box, with an arm and a slide track, one hex key for control valve adjustment (and hold open tension adjustment), one hex key for arm to track attachment, and one hex key for anchoring cushion stop in track. Installation instructions and both wood screws and metal screws for mounting are included.

#### SPECIFICATIONS:

Aluminum Alloy Shell Steel Track and Slider Polymer Slider Pads Non-Critical Independent Valves Shock Absorbing Door Stop Rack and Pinion Operation Adjustable Backcheck Cushioning Adjustable Backcheck Positioning Multi-Size Adjustable Spring Power Adjustable Hold Open Option ANSI A156.4, Grade 1 A.D.A. ANSI Standard A117.1 UL and ULC Listed 10 Year Limited Warranty NYC Listed – 41-60-SM

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SPECIFICATION	DIMENSION
Maximum Door Width (Interior)	48" (1219 mm)
Maximum Door Width (Exterior)	36" (914 mm)
Length of Closer Body	14" (356 mm)
Overall Length of Closer	16-7/16" (418 mm)
Closer Body Height	3-3/4" (95 mm)
Closer Width	2-1/8" (54 mm)
Track Length	24" (610 mm)
Track Width	1-1/4" (32 mm)

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Single Door Headers are fabricated to hold our Overhead Concealed Door Closers. Headers are carried in three stock sizes, and custom sizes can be special ordered. Headers are supplied with an Aluminum Mounting Clip for mounting the Header on the opposite side of the Door Closer. The Door Closer contains the Mounting Clip for that side of the Header. Snap-In Cover Plates allow for easy installation of the Closer. **NOTE:** Clad and Anodized Headers differ in size (see chart below).

#### 4" HEADER FOR 36" (914 MM) SINGLE DOOR

CAT. NO.	SIZE	FINISH
DCH4SAS	4" x 1-3/4" (101.6 x 44.5 mm)	Satin Anodized
DCH4DUS	4" x 1-3/4" (101.6 x 44.5 mm)	Black Bronze Anodized
DCH4BLS	4" x 1-3/4" (101.6 x 44.5 mm)	Black Powder Coat
DCH4BSS	4-3/16" x 1-7/8" (106.4 x 47.6 mm)	*Brushed Stainless
DCH4PSS	4-3/16" x 1-7/8" (106.4 x 47.6 mm)	*Polished Stainless
DCH4PBS	4-3/16" x 1-7/8" (106.4 x 47.6 mm)	*Polished Brass

#### 4-1/2" HEADER FOR 36" (914 MM) SINGLE DOOR

CAT. NO.	SIZE	FINISH
DCHSAS	4-1/2" x 1-3/4" (114.3 x 44.5 mm)	Satin Anodized
DCHDUS	4-1/2" x 1-3/4" (114.3 x 44.5 mm)	Black Bronze Anodized
DCHBLS	4-1/2" x 1-3/4" (114.3 x 44.5 mm)	Black Powder Coat
DCHBSS	4-11/16" x 1-7/8" (119.1 x 47.6 mm)	*Brushed Stainless
DCHPSS	4-11/16" x 1-7/8" (119.1 x 47.6 mm)	*Polished Stainless
DCHPBS	4-11/16" x 1-7/8" (119.1 x 47.6 mm)	*Polished Brass

#### 6" HEADER FOR 36" (914 MM) SINGLE DOOR

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CAT. NO.	SIZE	FINISH
DCH6SAS	6" x 2" (152.4 x 50.8 mm)	Satin Anodized
DCH6DUS	6" x 2" (152.4 x 50.8 mm)	Black Bronze Anodized
DCH6BLS	6" x 2" (152.4 x 50.8 mm)	Black Powder Coat
DCH6BSS	6-3/16" x 2-1/8" (157.2 x 54 mm)	*Brushed Stainless
DCH6PSS	6-3/16" x 2-1/8" (157.2 x 54 mm)	*Polished Stainless
DCH6PBS	6-3/16" x 2-1/8" (157.2 x 54 mm)	*Polished Brass

Double Door Headers are fabricated to hold our Overhead Concealed Door Closers. Headers are carried in three stock sizes, and custom sizes can be special ordered. The Mounting Clips required for the ends of the Header are included with the Overhead Concealed Door Closers. Snap-In Cover Plates allow for easy installation of the Closer. **NOTE:** Clad and Anodized Headers differ in size (see chart below).

#### 4" HEADER 72" (1829 MM) LONG FOR 36" (914 MM) DOUBLE DOORS

CAT. NO.	SIZE	FINISH
DCH4SAD	4" x 1-3/4" (101.6 x 44.5 mm)	Satin Anodized
DCH4DUD	4" x 1-3/4" (101.6 x 44.5 mm)	Black Bronze Anodized
DCH4BLD	4" x 1-3/4" (101.6 x 44.5 mm)	Black Powder Coat
DCH4BSD	4-3/16" x 1-7/8" (106.4 x 47.6 mm)	*Brushed Stainless
DCH4PSD	4-3/16" x 1-7/8" (106.4 x 47.6 mm)	*Polished Stainless
DCH4PBD	4-3/16" x 1-7/8" (106.4 x 47.6 mm)	*Polished Brass

I-1/2" HEADER 72"	(1829 MM)	) LONG FOR	36" (914 MM	) DOUBLE DOORS

CAT. NO.	SIZE	FINISH
DCHSAD	4-1/2" x 1-3/4" (114.3 x 44.5 mm)	Satin Anodized
DCHDUD	4-1/2" x 1-3/4" (114.3 x 44.5 mm)	Black Bronze Anodized
DCHBLD	4-1/2" x 1-3/4" (114.3 x 44.5 mm)	Black Powder Coat
DCHBSD	4-11/16" x 1-7/8" (119.1 x 47.6 mm)	*Brushed Stainless
DCHPSD	4-11/16" x 1-7/8" (119.1 x 47.6 mm)	*Polished Stainless
DCHPBD	4-11/16" x 1-7/8" (119.1 x 47.6 mm)	*Polished Brass

#### 6" HEADER 72" (1829 MM) LONG FOR 36" (914 MM) DOUBLE DOORS

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CAT. NO.	SIZE	FINISH
DCH6SAD	6" x 2" (152.4 x 50.8 mm)	Satin Anodized
DCH6DUD	6" x 2" (152.4 x 50.8 mm)	Black Bronze Anodized
DCH6BLD	6" x 2" (152.4 x 50.8 mm)	Black Powder Coat
DCH6BSD	6-3/16" x 2-1/8" (157.2 x 54 mm)	*Brushed Stainless
DCH6PSD	6-3/16" x 2-1/8" (157.2 x 54 mm)	*Polished Stainless
DCH6PBD	6-3/16" x 2-1/8" (157.2 x 54 mm)	*Polished Brass

Minimum order: 1 each. Headers do not include Door Closers. Finishes and sizes can be combined for quantity pricing. \*Clad finish.

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## **CRL Prepared Door** Headers for Stock Center Pivot Doors



• Available Through All U.S. Aluminum and C.R. Laurence Service Centers

### Fabricated Door Headers for Stock Center Pivot Doors With Overhead Concealed Closers

#### • Non-Handed, Single and Double Door Headers

Single and Double Door Headers are fabricated to hold our Overhead Concealed Door Closers. Headers are carried in three stock sizes, and custom sizes can be special ordered. Headers are supplied with Snap-In Cover Plates with weatherstripping. For Door Closers see pages D323 and D350.



## 36" (914 mm) Single Door Header 72" (1829 mm) Double Doors Header

1-3/4" (44.5 mm)

#### SERIES 400 - 1-3/4" X 4" (44.5 X 101.6 MM) HEADER

36" (914 MM)	72" (1829 MM)	72" (1829 MM) DOUBLE	FINISH
Single Door	DOUBLE DOORS	Doors 3 PT. Lock	
Header Cat. No.	HEADER CAT. NO.	Header Cat. No.	
HB117110036	HB127110072	HB127110A72	Clear Anodized
HB117220036	HB127220072	HB127220A72	Bronze Anodized

Minimum order: 1 each.

#### SERIES 450 - 1-3/4" X 4-1/2" (44.5 X 114.3 MM) HEADER

36" (914 MM)	72" (1829 MM)	72" (1829 MM) DOUBLE	FINISH
Single Door	DOUBLE DOORS	DOORS 3 PT. LOCK	
Header Cat. No.	HEADER CAT. NO.	HEADER CAT. NO.	
HB217110036	HB227110072	HB227110A72	Clear Anodized
HB217220036	HB227220072	HB227220A72	Bronze Anodized

Minimum order: 1 each.

#### SERIES 451 - 2" X 4-1/2" (50.8 X 114.3 MM) HEADER

36" (914 MM)	72" (1829 MM)	72" (1829 MM) DOUBLE	FINISH
Single Door	DOUBLE DOORS	Doors 3 PT. Lock	
Header Cat. No.	HEADER CAT. NO.	Header Cat. No.	
HB317110036	HB327110072	HB327110A72	Clear Anodized
HB317220036	HB327220072	HB327220A72	Bronze Anodized

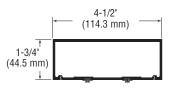
Minimum order: 1 each.



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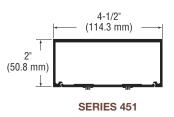
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SERIES 450

4" (101.6 mm)

**SERIES 400** 



## CRL Prepared Door Headers for Stock Offset Pivot Doors



• Available Through All U.S. Aluminum and C.R. Laurence Service Centers

### Fabricated Door Headers for Stock Offset Pivot Doors With Surface Mounted Closers

- 36" (914 mm) Single Door Headers are Available Left and Right Handed
- 72" (1829 mm) Double Door Headers are Non-Handed

Single and Double Door Headers are fabricated with door stops to work with our stock Offset Pivot Doors. Headers are carried in three stock sizes, and custom sizes can be special ordered. Headers are supplied with Snap-In Door Stops. For Surface Mounted Door Closers see pages D304 and D322.



#### SERIES 400 - 1-3/4" X 4" (44.5 X 101.6 MM) HEADER

LEFT HAND 36" (914 MM) Single Door Header Cat. No.	RIGHT HAND 36" (914 MM) Single Door Header Cat. No.	72" (1829 MM) Double Doors Header Cat. No.	72" (1829 MM) DOUBLE Doors 3 pt. Lock Header Cat. No.	FINISH
HB11211L036	HB11211R036	HB122110072	HB122110A72	Clear Anodized
HB11222L036	HB11222R036	HB122220072	HB122220A72	Bronze Anodized

Minimum order: 1 each

#### SERIES 450 - 1-3/4" X 4-1/2" (44.5 X 114.3 MM) HEADER

LEFT HAND 36" (914 MM) Single Door Header Cat. No.	RIGHT HAND 36" (914 MM) SINGLE DOOR HEADER CAT. NO.	72" (1829 MM) Double Doors Header Cat. No.	72" (1829 MM) DOUBLE Doors 3 pt. Lock Header Cat. No.	FINISH
HB21211L036	HB21211R036	HB222110072	HB222110A72	Clear Anodized
HB21222L036	HB21222R036	HB222220072	HB222220A72	Bronze Anodized

Minimum order: 1 each

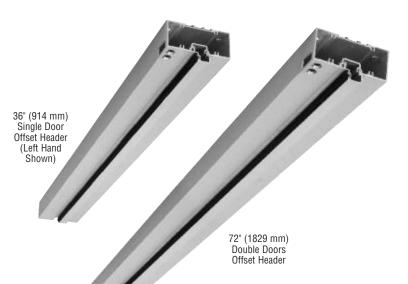
#### SERIES 451 - 2" X 4-1/2" (50.8 X 114.3 MM) HEADER

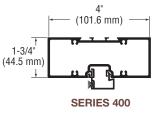
LEFT HAND 36" (914 MM) Single Door Header Cat. No.	RIGHT HAND 36" (914 MM) SINGLE DOOR HEADER CAT. NO.	72" (1829 MM) Double Doors Header Cat. No.	72" (1829 MM) DOUBLE Doors 3 pt. Lock Header Cat. No.	FINISH
HB31211L036	HB31211R036	HB322110072	HB322110A72	Clear Anodized
HB31222L036	HB31222R036	HB322220072	HB322220A72	Bronze Anodized

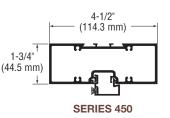
Minimum order: 1 each.

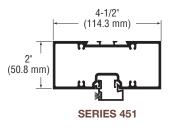
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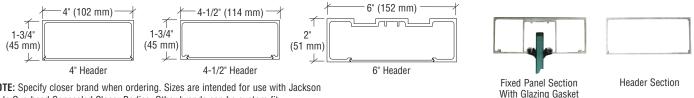
## **CRL Custom Fabricated Headers**

- Available in 4", 4-1/2", and 6" Sizes
- Six Standard Architectural Finishes: Satin Anodized. Black Powder Coat. Black Bronze Anodized, Polished Stainless, **Brushed Stainless, and Polished Brass**
- Custom Finishes Available on Special Order



CRL will fabricate Custom Headers to accept a large variety of door hardware, such as: Fixed or Walking Beam Top Pivots, Door Closers, Manual or Electric Strikes, Concealed or Surface Mounted Locks, Offset Pivots, Overhead Arms, and many other types of accessories. A Glazing Pocket to secure the top of any sidelite is also available. The sidelite glass is secured in the Glazing Pocket with the provided Roll-In Glazing Gasket, which is available for both 3/8" and 1/2" (10 and 12 mm) glass. Please specify when ordering.

These are considered Custom Headers and must be special ordered through our Technical Sales Department at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. You can also send e-mail through the crlaurence.com home page. Click on contact us, and then click on Technical Sales for Commercial Products.



NOTE: Specify closer brand when ordering. Sizes are intended for use with Jackson Style Overhead Concealed Closer Bodies. Other brands can be custom fit.

## **CRL Stock Length Header Channels** and Snap-In Inserts

- Available in 1-3/4" x 4" and 1-3/4" x 4-1/2" Sizes
- 120" and 240" (3.05 and 6.10 m) Lengths in Two Architectural Finishes: Satin Anodized and Black Bronze Anodized
- Custom Finishes Available on Special Order
- Ready-to-Ship From CRL Inventory

CRL now carries stock length header components: Header Channel, Flat Snap-In, Cover Plate for Overhead Concealed Door Closer, and Glazing Pocket Snap-In, in both 1-3/4" x 4" and 1-3/4" x 4-1/2" sizes. The Snap-In comes complete with Roll-In Glazing Gasket for 1/2" (12 mm) glass. If using 3/8" (10 mm) glass, you must order our GG38 Series Gasket separately. Contact Technical Sales for ordering assistance.



4" HEADER Channel Cat. No.	4-1/2" HEADER Channel Cat. No.	FLAT Snap-in Cat. No.	POCKET SNAP-IN Cat. No.	HEADER MOUNT SADDLE FOR SIDELITE RAILS CAT. NO.	STOCK Length	FINISH	14" DOOR Closer Cover Plate Cat. No.
HC4SA120 HC4DU120 HC4SA240 HC4DU240	HCSA120 HCDU120 HCSA240 HCDU240	FS1SA120 FS1DU120 FS1SA240 FS1DU240	PS1SA120 PS1DU120 PS1SA240 PS1DU240	HMS2SA HMS2DU 	120" (3.05 m) 120" (3.05 m) 240" (6.10 m) 240" (6.10 m)	Satin Anodized Black Bronze Anodized Satin Anodized Black Bronze Anodized	CRL8010CPAL CRL8010CPDU

Minimum order: 1 each. Finishes and sizes can be combined for quantity pricing. Stock lengths must ship common carrier



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## **CRL GLASS ENTRANCE SYSTEM HEADERS**



Single and Double Door Narrow Headers are fabricated with our CRL9040WBP Walking Beam Pivots installed. Narrow Headers are carried in two stock sizes, and custom sizes can be special ordered. Snap-In Cover Plates allow for easy installation of the Narrow Header. NOTE: Clad and Anodized Headers differ in size (see chart below).

#### 36" (914 MM) SINGLE DOOR NARROW HEADER

CAT. NO.	SIZE W X H	FINISH
NH236SA NH236DU	1-7/8" x 1-5/8" (47 x 41 mm) 1-7/8" x 1-5/8" (47 x 41 mm)	Satin Anodized Black Bronze Anodized
NH236BL NH236BS	1-7/8" x 1-5/8" (47 x 41 mm)	Black Powder Coat *Brushed Stainless
NH236PS	2" x 1-11/16" (51 x 43 mm) 2" x 1-11/16" (51 x 43 mm)	*Polished Stainless
NH236PB	2" x 1-11/16" (51 x 43 mm)	*Polished Brass

Minimum order: 1 each. Finishes and sizes can be combined for quantity pricing. \*Clad finish.

#### 72" (1829 MM) DOUBLE DOOR NARROW HEADER

CAT. NO.	SIZE W X H	FINISH
NH272SA	1-7/8" x 1-5/8" (47 x 41 mm)	Satin Anodized
NH272DU	1-7/8" x 1-5/8" (47 x 41 mm)	Black Bronze Anodized
NH272BL	1-7/8" x 1-5/8" (47 x 41 mm)	Black Powder Coat
NH272BS	2" x 1-11/16" (51 x 43 mm)	*Brushed Stainless
NH272PS	2" x 1-11/16" (51 x 43 mm)	*Polished Stainless
NH272PB	2" x 1-11/16" (51 x 43 mm)	*Polished Brass

## **CRL Floating Headers for Overhead Concealed Door Closers**

**US** ALUMINUN

#### For 1/2" (12 mm) Glass Only

- Ideal for Use on Jobs Where Cutting Into the Floor for a Floor Closer is Not an Option
- Available for Glass-to-Glass or Glass-to-Wall Installations With Overhead Concealed Door Closers or Pivots
- Stock 36" (914 mm) Single and 72" (1829 mm) Double Headers, With Custom Sizes Available
- Six Standard Architectural Finishes
- Custom Finishes Available on Special Order

Floating Headers for Overhead Concealed Door Closers were designed to allow the installation of single or double doors off of glass sidelites, with a transom above. Stock Floating Headers are fabricated for use in 1/2" (12 mm) glass-to-glass installations, and are prepared to accept CRL Overhead Concealed Door Closers and a 1/2" (12 mm) thick glass transom.

Custom Floating Headers cover the rest of the offered configurations, including various glass thicknesses, Headers in custom lengths, glass-to-wall configurations, and Headers prepped for surface mounted magnetic locks, magnetic shear locks, a surface mounted top pivot, a walking beam pivot or an overhead concealed door closer.

NOTE: If the weight of the transom above the header exceeds 100 pounds (45 kg) the transom will need to be supported from the ceiling to take weight off the header and prevent bowing.

For more information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also e-mail us through our web site at crlaurence.com. From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



#### APPLICATION TIP:

For jobs where floor closers are not an option due to special finishes or minimal floor thickness the CRL Floating Header for Overhead Concealed Door Closers is the ideal solution.



NOTE: Specify closer brand when ordering. Stock sizes are intended for use with Jackson Style Overhead Concealed Closer Bodies. Other brands can be custom fit.



#### STOCK FLOATING HEADERS

For 1/2" (12 mm) glass-to-glass installations, and prepped for Overhead Concealed Door Closers

	DOUBLE 72" Cat. No.	SIZE W X H	FINISH
FH4SAS	FH4SAD	4" x 1-3/4" (101.6 x 44.5 mm)	Satin Anodized
FH4DUS	FH4DUD	4" x 1-3/4" (101.6 x 44.5 mm)	Black Bronze Anodized
FH4BLS	FH4BLD	4" x 1-3/4" (101.6 x 44.5 mm)	Black Powder Coat
FH4BSS	FH4BSD	4-3/16" x 1-7/8" (106.4 mm x 47.6 mm)	*Brushed Stainless
FH4PSS	FH4PSD	4-3/16" x 1-7/8" (106.4 mm x 47.6 mm)	*Polished Stainless
FH4PBS	FH4PBD	4-3/16" x 1-7/8" (106.4 mm x 47.6 mm)	*Polished Brass

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Minimum order: 1 each. Finishes and sizes can be combined for quantity pricing. \*Clad finish.



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## **CRL GLASS ENTRANCE SYSTEM HEADERS**

## CRL Narrow Floating Header With Walking Beam Top Pivots

- For 1/2" (12 mm) Tempered Glass Only
- Supported By Glass Side Panels
- Creates an Even Sight Line When Used With CRL Door Rails
- Stock Single 36" (914 mm) and Double 72" (1829 mm) Headers, With Custom Sizes Available
- Six Standard Architectural Finishes
- Custom Finishes Available on Special Order

Narrow Floating Headers With Walking Beam Top Pivots work with CRL PH20 and PH21 Series Top Door Patch Hardware Fittings, and with all CRL 1/2" (12 mm) Heavy Glass Door Rails. When used with CRL Door Rails you get an even sight line, as the width of the Narrow Header matches the width of the Door Rail. For use with Free-Swinging Bottom Pivots or Floor Closers, Standard Narrow Floating Headers with Walking Beam Top Pivots are fabricated for use in 1/2" (12 mm) glass-to-glass configurations. Custom lengths, glass-to-wall configurations, and Floating Headers for offset pivots are also available.

**NOTE:** If the weight of the transom above the header exceeds 100 pounds (45 kg) the transom will need to be supported from the ceiling to take weight off the header and prevent bowing.

For more information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also e-mail us through our web site at **crlaurence.com**. From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



Headers measure 1-7/8" x 1-5/8" (48 x 41 mm).

## **CRL Custom Floating Headers** With Support Fin Brackets

- Available for 1/2" (12 mm) to 3/4" (19 mm) Glass
- Support Fin Brackets Provide Extra Stability in Tall Openings
- Available for Glass-to-Glass or Glass-to-Wall Installations With Overhead Concealed Door Closers or Pivots
- Six Standard Finishes: Satin Anodized, Black Bronze Anodized, Black Powder Coat, Polished Brass, Polished Stainless, and Brushed Stainless
- Custom Finishes Available on Special Order

'All-Glass' entrances are increasing in popularity and size. We have developed a means of adding rigidity to these openings using our Floating Header. Fin Supports will reduce the amount of deflection caused by wind or stack load pressure, and impacts.

For more information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also e-mail us through our web site at **crlaurence.com**. From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.





#### APPLICATION TIP:

When trying to show the maximum amount of glass, but still looking for the security of a magnetic shear lock, the CRL Narrow Floating Header offers that functionality

#### STOCK NARROW FLOATING HEADERS

For 1/2" (12 mm) glass-to-glass installations, with CRL9040WBP Walking Beam Top Pivots

SINGLE 36" Cat. No.	DOUBLE 72" Cat. No.	FINISH
NFH4SAS	NFH4SAD	Satin Anodized
NFH4DUS	NFH4DUD	Black Bronze Anodized
NFH4BLS	NFH4BLD	Black Powder Coat
NFH4BSS	NFH4BSD	*Brushed Stainless
NFH4PSS	NFH4PSD	*Polished Stainless
NFH4PBS	NFH4PBD	*Polished Brass

Minimum order: 1 each. \*Clad Finish



Custom 4" Floating Headers





PH94 Ceiling Mounted Support Fin Bracket



## **CRL GLASS ENTRANCE SYSTEM HEADERS**

### **CRL Hat Channel and Hat Channel Door Closer** Header for Drop Ceiling Systems

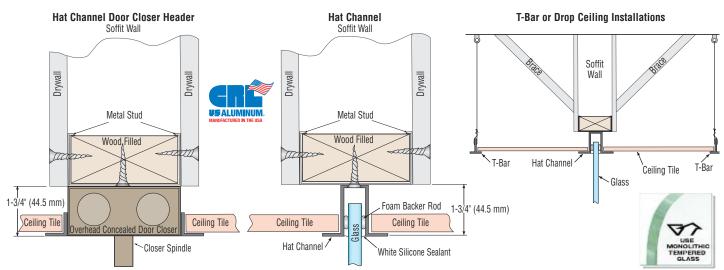
- Designed for New or Retrofit **Construction in Buildings With** Large, Open Floor Spaces
- Designed for an Almost Invisible Look in Drop Ceilings
- Extruded Aluminum With a White Finish

For more information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also e-mail us through our web site at crlaurence.com. From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

#### APPLICATION TIP:

The CRL Hat Channel Door Closer Header is an excellent solution for interior tenant improvement projects with drop ceilings.



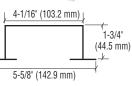


### **CRL Hat Channel Door Closer Header** for Single and Double Doors

• Surrounded by "L" Angle to Support Ceiling Tiles

#### White Finish to Match Ceiling "T" Bar

CRL Hat Channel Door Closer Header is designed to be used for an almost invisible look when glass doors and fixed panels are installed in drop ceilings. The Header is connected to a soffit that is 1-3/4" (44.5 mm) above the ceiling line.



NOTE: Specify closer brand when ordering. Stock sizes are intended for use with Jackson Style Overhead Concealed Closer Bodies. Other brands can be custom fit.

CAT. NO.	FINISH	DESCRIPTION
HH4WHS	White	36" (914 mm) Single Door
HH4WHD	White	72" (1829 mm) Double Door
HH4WHCS	White	** Custom Single Door
HH4WHCD	White	** Custom Double Door

Minimum order: 1 each. \*\* Length must be specified when ordering. Maximum length is 96" (2.44 m).

### **CRL Hat Channel for Fixed Glazing**

- White Finish to Match Ceiling "T" Bar
- Accepts 3/8" (10 mm) or 1/2" (12 mm) Glass

Our CRL Hat Channel secures to the bottom of the soffit. It provides a glazing pocket for 3/8" (10 mm) or 1/2" (12 mm) glass, and ceiling panel retaining lips that match the "T" Bar 1-3/4" (44.5 mm) below the soffit. Glass is secured with Cat. No. RTV408W White Silicone Sealant.

CAT. NO.	FINISH	DESCRIPTION
HC1WHSL	White	120" (3.05 m) Channel
HC1WH240	White	240" (6.10 m) Channel
HC1WHCL	White	** Custom Channel

Minimum order: 1 each. \*\* Length must be specified when ordering. Maximum length is 240" (6.10 m) Lengths over 108" (2.74 m) must ship common carrie



D357

2-5/16" (58.7 mm)

(25.4 mm)

1-3/4"

(44.5 mm)

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## **CRL Heavy Weight Floor Mounted Door Closers**



The CRL8500 Series Floor Mounted Door Closer has a heavy weight capacity capable of handling doors weighing up to 800 pounds (363 kg). The Door Closer is available in either 90 or 105 degree Hold Open or No Hold Open models in three spring sizes to accommodate most standard installations.

The supplied 1/8" (3 mm) collar height Standard Spindle is interchangeable with other available Spindles (see page D361) to accommodate different finished floor heights. Accessories such as Pivots, Center-Hung and Offset Arms are also available. See pages D366-D367, and D370-D371.

**NOTE:** An auxiliary floor or overhead door stop is recommended to prevent possible damage to both the door closer and entryway due to over-extension of maximum allowable door swing.

#### SPECIFICATIONS:

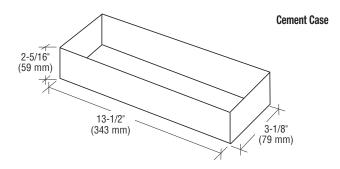
Maximum Door Weight: 800 lbs. (363 kg) Maximum Interior Door Width: 54" (1372 mm) Maximum Exterior Door Width: 48" (1219 mm)



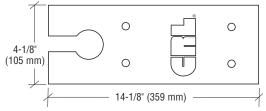
	SPRING		MAXIMUM	
CAT. NO.	SIZE	ТҮРЕ	INTERIOR	EXTERIOR
UAI. NO.	JIZL		INTENION	LAILIIION
CRL8532	Size 3	180° No Hold Open	42" (1067 mm)	36" (914 mm)
CRL8534	Size 3	90° Hold Open	42" (1067 mm)	36" (914 mm)
CRL8536	Size 3	105° Hold Open	42" (1067 mm)	36" (914 mm)
01120000	0120 0		42 (1007 mm)	00 (014 1111)
CRL8542	Size 4	180° No Hold Open	48" (1219 mm)	42" (1067 mm)
			( /	( /
CRL8544	Size 4	90° Hold Open	48" (1219 mm)	42" (1067 mm)
CRL8546	Size 4	105° Hold Open	48" (1219 mm)	42" (1067 mm)
CRL8552	Size 5	180° No Hold Open	54" (1372 mm)	48" (1219 mm)
CRL8554	Size 5	90° Hold Open	54" (1372 mm)	48" (1219 mm)
CRL8556	Size 5	105° Hold Open	54" (1372 mm)	48" (1219 mm)
Minimum order: 1	each. All Door Clos	ers can be combined for quantity pric	ing.	. ,



- The Perfect Door Closer to Support CRL's Door Rail System
- 800 Lb. Capacity, Up to 54" Doors
- Interchangeable Spindle Heights
- Independent Closing and Latching Speed Adjustments
- 5 Year Limited Warranty
- UL Listed







#### **COVER PLATES**

CAT. NO.	FINISH
CRL85CPBS	*Brushed Stainless Steel
CRL85CPPB	Polished Brass
CRL85CPPS	Polished Stainless Steel

Minimum order: 1 each. \* Supplied with 8500 Series Floor Closers.



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## **CRL Narrow Width Floor Mounted Door Closers**



These Narrow Width Floor Mounted Door Closers are preferred on doors installed with Patch Hardware because smaller cover plates are more attractive in this type of installation. The Door Closer has separate valves to control closing and latching speeds. 90 Degree Hold Open and No Hold Open models are available.

The 1/8" (3 mm) collar height Spindle is supplied with the door closer, providing a 5/16" (8 mm) clearance from finished floor to door bottom. Optional Spindles to accommodate different finished floor heights are also available (see page D361). Other accessories, such as Pivots, Center-Hung and Offset Arms are also available. See pages D366-D367, and D370-D371.

NOTE: This Door Closer is designed to open to a maximum of 180 degrees. An auxiliary floor or overhead stop is required to stop the door at less than 180 degrees.

#### SPECIFICATIONS:

Maximum Door Weight: 264 lbs. (120 kg) Maximum Interior Door Width: 42" (1067 mm) Maximum Exterior Door Width: 38" (965 mm)



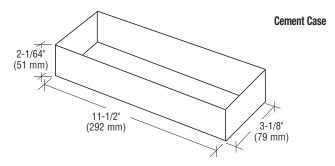
#### NARROW WIDTH FLOOR MOUNTED DOOR CLOSERS

CAT. NO.	SPRING SIZE	ТҮРЕ
CRL8420 CRL8422	Light Light	180° Hold Open @ 90° 180° No Hold Open
CRL8460	Medium	180° Hold Open @ 90°
CRL8462	Medium	180° No Hold Open

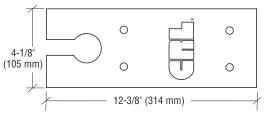
Minimum order: 1 each. All Door Closers can be combined for quantity pricing



- The Perfect Door Closer to Support **CRL's Patch Hardware**
- 264 Lb. Capacity. 42" Doors
- Narrow 3-1/16" (78 mm) Width
- Interchangeable Spindle Heights
- 5 Year Limited Warranty
- UL Listed







#### **COVER PLATES**

CAT. NO.	FINISH
CRL84CPBS	*Brushed Stainless Steel
CRL84CPPB	Polished Brass
CRL84CPPS	Polished Stainless Steel

Minimum order: 1 each. \* Supplied with 8500 Series Floor Closers



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## **CRL Shallow Depth Floor Mounted Door Closers**



These Shallow Depth Floor Mounted Door Closers are preferred for many types of installations because they only require a shallow 1-9/16" (40 mm) cut-out in the floor. This is especially important on floors above the ground floor. The shallow cut-out leaves enough remaining floor under the Door Closer to support the door weight. The Door Closer has separate valves to control closing and latching speeds. Both 90 degree and 105 degree Hold Open and No Hold Open models are available.

The 1/8" (3 mm) collar height Spindle is supplied with the door closer, providing a 5/16" (8 mm) clearance from finished floor to door bottom. Optional Spindles to accommodate different finished floor heights are also available (see page D361). Other accessories, such as Pivots, Center-Hung and Offset Arms are also available. See pages D366-D367 and D370-D371.

**NOTE:** An auxiliary floor or overhead door stop is recommended to prevent possible damage to both the door closer and entryway due to over-extension of maximum allowable door swing.

#### SPECIFICATIONS:

Maximum Door Weight: 264 lbs. (120 kg) Maximum Interior Door Width: 42" (1067 mm) Maximum Exterior Door Width: 38" (965 mm)



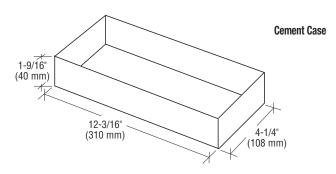
#### SHALLOW DEPTH FLOOR MOUNTED DOOR CLOSERS

CAT. NO.	SPRING SIZE	ТҮРЕ
CRL8360	Medium	90° Hold Open
CRL8370	Medium	105° Hold Open
CRL8372	Medium	105° No Hold Open

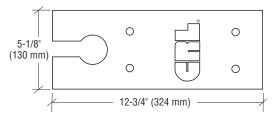
Minimum order: 1 each. All Door Closers can be combined for quantity pricing.



- 264 Lb. Capacity, 42" Doors
- Low Profile 1-9/16" (40 mm) Depth
- Interchangeable Spindle Heights
- 5 Year Limited Warranty
- UL Listed



#### **Cover Plate**



#### **COVER PLATES**

CAT. NO.	FINISH
CRL83CPBS	*Brushed Stainless Steel
CRL83CPPB	Polished Brass
CRL83CPPS	Polished Stainless Steel

Minimum order: 1 each. \* Supplied with 8500 Series Floor Closers



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## **CRL Interchangeable Floor Closer Spindles**

### Fit All CRL8300, CRL8400, and CRL8500 Series Floor Mounted Door Closers

CRL Flat Tapered and "MAB" Type Spindles are available in various heights to accommodate different threshold and finished floor heights, and are intended for use with all CRL Floor Mounted Door Closers. The CRL Flat Tapered Spindle will allow the use of all center-hung and offset bottom arms intended for use with this type of spindle, as well as CRL Patch Fitting Inserts. The "MAB" Style Spindle is commonly used throughout Europe and South America.

FLAT TAPERED Cat. NO.	"MAB" TYPE SQUARE Tapered Cat. No.	COLLAR HEIGHT/DRS Door Clearance	STANDARD Door Clearance
CRL9040S3*	CRL9050S3	*1/8" (3 mm)	*5/16" (8 mm)
CRL9040S8	CRL9050S8	5/16" (8 mm)	1/2" (13 mm)
CRL9040S13	CRL9050S13	1/2" (13 mm)	11/16" (17 mm)
CRL9040S18	CRL9050S18	3/4" (19 mm)	15/16" (24 mm)
CRL9040S23	CRL9050S23	7/8" (22 mm)	1-1/16" (27 mm)
CRL9040S28	CRL9050S28	1-1/8" (29 mm)	1-5/16" (33 mm)
CRL9040S33	CRL9050S33	1-5/16" (33 mm)	1-1/2" (38 mm)

Minimum order: 1 each. \* Supplied standard with all CRL8300. CRL8400. and CRL8500 Series Floor Closers All Spindles can be combined for quantity pricing

## **CRL Floor Closer Terrazzo Pan**

#### For Use With CRL8500 Series Floor Mounted Door Closers Only

To maintain the aesthetics of a continuous floor line when using flooring material such as terrazzo, tile, marble, etc. Pan is 13/16" (20.6 mm) in depth and requires the use of a CRL9040S23 Spindle (ordered separately) for a minimum 1/4" (6 mm) clearance above the finished floor. Includes access tubes to the adjustment screws for the CRL8500 Floor Mounted Door Closer so that adjustments can be made without having to take the door down. NOTE: Recommended for interior use only. Minimum order is one each.

## **CRL Center-Hung Bottom Arms**

 Arms for CRL8300, CRL8400, and CRL8500 Series Floor Mounted Door Closers With **Flat Tapered Spindles** 

These CRL Center-Hung Bottom Arms should be used with doors having a minimum 3/4" (19 mm) deep bottom door rail. Arms will accommodate most door types, and will ease centering adjustment of the door. They can be used with all CRL brand Floor Mounted Door Closers, as well as any other closer using a 7/8" (22 mm) flat tapered type spindle.

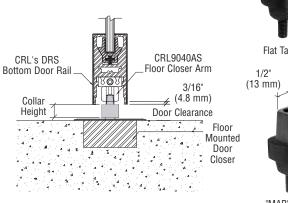
#### CAT. NO. CRL9040CB

CRL9040TB CRL9040AS



Arm for Aluminum Doors Arm for Steel or Wood Doors Arm for CRL Door Rail System

DESCRIPTION





Flat Tapered

"МАВ"\_Туре Square Tapered



## **CRL Top Door Rail Pivot Arms**

- For Center-Hung Applications
- Standard and **Heavy-Duty** Models

These 19/32" (15 mm) diameter standard and heavy-duty Top Door Rail Pivot Arms fit in CRL Top Door Rails, and work with our 1NT401 Top Free-Swinging Pivot and CRL9040WBP Walking Beam Pivot.



Standard Pivot Arm



Heavy-Duty Pivot Arm

D361

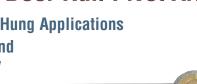
CAT. NO.	DESCRIPTION
CRL9040TDF CRL9060TDF	Standard Pivot Arm Heavy-Duty Pivot Arm
Minimum order: 1 each.	



Minimum order: 1 each. Arms can be combined for quantity pricing

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## CRL Jackson 300 Series Thin Slab Floor Mounted Door Closers

- Ideal for Thin-Slab Applications With Limited Floor Depth
- Available as a Package or Components Only
- Suitable for Doors From 30" to 48" (762 to 1219 mm)
- 5 Year Limited Warranty

The Jackson 300 Series Thin Slab Floor Closer is manufactured in the U.S.A. and designed to give long lasting, maintenance free performance. Its compact design and low profile makes it ideal for thin-slab applications where floor depth is limited. Available in three fixed spring sizes, this closer is designed for use with aluminum, wood or hollow metal doors and frames.

#### SPECIFICATIONS

Maximum Door Weight: 260 lbs. (118 kg) Maximum Door Width: 48" (1219 mm) Three Fixed Spring Sizes: Light Duty, Regular Duty, and Heavy-Duty Action: Non-Handed; Single or Double Acting Swing: 90° or 105° Swing Hold or No Hold-Open

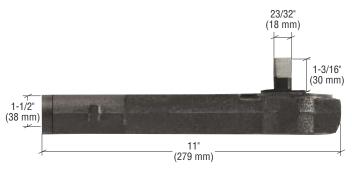
Valves: Dual Valve Control - Closing and Latching Speeds

**NOTE:** An auxiliary floor or overhead door stop is recommended to prevent possible damage to both the closer and entryway due to over-extension of maximum allowable door swing.

#### THIN-SLAB FLOOR MOUNT DOOR CLOSERS

REG. DUTY	HEAVY-DUTY	LIGHT-DUTY	ТҮРЕ
CAT. NO.	Cat. No.	Cat. No.	
20307M01	20307M09	20307M05	105° No Hold Open
20307M02	20307M10	20307M06	105° Hold Open
20307M03	20307M11	20307M07	90° No Hold Open
20307M04	20307M12	20307M08	90° Hold Open

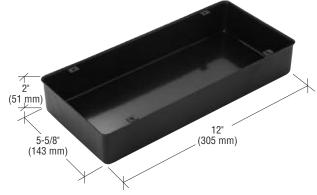
Minimum order: 1 each. All Door Closers can be combined for quantity pricing.



	APPROXIMA	TE OPENING FOR	CE IN POUNDS	
SPRING SIZE	2/6 X 7/0	3/0 X 7/0	3/6 X 7/0	4/0 X 7/0
Light	10	8	6	5
Regular	12	10	8	6
Heavy	17	15	13	11

**NOTE:** Readings are *pound force* to open door and are taken at the lock stile to full degree of opening.





CEMENT CASE (SO	LD SEPARATELY)	
CAT. NO.		DESCRIPTION
202102N		Thin Slab Cement Case
Minimum order: 1 each.		
1" 25 mm)		
5/8"	7-3/8" (187 mm)	3-11/1 (94 mi
(16 mm)		(51 mm)
	CLOSER SELECTION CHA	\RT
SPRING SIZE	MAX. INTERIOR DOOR	MAX. EXTERIOR DOOR
Light	3'-6" (1067 mm)	3'-0" (914 mm)
Regular	3'-6" (1067 mm)	3'-0" (914 mm)
0		

NOTE: All recommendations are based on average conditions. Tall doors, or doors that may be subject to wind, draft or extreme air flow, may require the next spring size.



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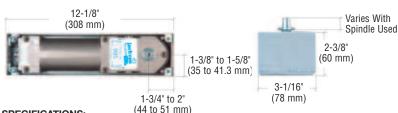
**US** ALUMINUM



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## CRL Jackson 900 Series Heavy-Duty Floor Mounted Door Closers

- 1000 Pound Capacity, 54" (1372 mm) Doors
- Multi-Size Adjustable Spring Power
- Interchangeable Spindle Heights
- Leveling and Door Centering Adjustments
- 10 Year Limited Warranty
- UL Listed



#### SPECIFICATIONS:

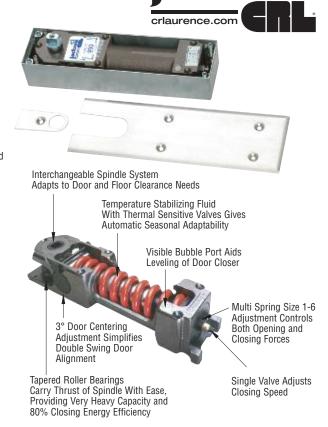
 $\label{eq:main_state} \begin{array}{l} \mbox{Maximum Center-Hung Door: Weight} = 1000 \mbox{ lbs. } (454 \mbox{ kg}), \mbox{Width} = 54" (1372 \mbox{ mm}) \\ \mbox{Maximum 3/4" Offset Door: Weight} = 650 \mbox{ lbs. } (295 \mbox{ kg}), \mbox{Width} = 48" (1219 \mbox{ mm}) \\ \mbox{Maximum 1-1/2" Offset Door: Weight} = 300 \mbox{ lbs. } (136 \mbox{ kg}), \mbox{Width} = 42" (1067 \mbox{ mm}) \\ \mbox{Adjustable Spring Power: Multi-Size 1 - 6} \end{array}$ 

**Door Centering Adjustment:** 6 Degree Range Adjustment to Align Door **Hold or No Hold Open Models:** Hold Open at Both 90 Degrees and 120 Degrees, Hold Open at 105 Degrees Only

Action: Non-Handed, Double Acting – 180 Degree Swing

The CRL Jackson 900 Series Multi-Sized Floor Mounted Door Closer is a heavy-duty, fully adjustable closer designed for new and retrofit applications. Accessories are available for either double or single acting doors. With its 1000 pound (454 kg) capacity, the 900 Series Door Closer can be used with larger and heavier interior or exterior doors for longer, maintenance free performance. These Door Closers are available in dual 90 and 120 degree, or 105 degree only Hold Open and No Hold Open models.

This fully adjustable Door Closer meets A.D.A.\* requirements in that it can be set at 5 or 8.5 pound opening forces. The unique centering adjustment simplifies double door alignment. This Door Closer is ideal for areas with extreme temperature changes due to its multi-viscosity temperature stabilizing fluid with thermal sensitive valves providing seasonal adaptability. Packages for new and retrofit installations, as well as accessories for both Center-Hung and Offset door applications, are available.



**NOTE:** This Door Closer is designed to open to a maximum of 180 degrees. An auxiliary floor or overhead stop is required to stop the door at less than 180 degrees.

For a complete list of accessories, such as Cover Plates, Pivots, Center-Hung and Offset Arms, see pages D365-D367, and D370-D371.

## Basic Closer Package

#### CONSISTS OF:

- 990 Closer Body
- Cement Case
   Installation Tool Package
- motanation tool Facka

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8	

CAT. NO.	ТҮРЕ
J990NH0D	180 Degree Swing No Hold Open
J993H0D	180 Degree Swing Hold Open @ 90 Degrees and 120 Degrees
J994H0D	180 Degree Swing Hold Open @ 105 Degrees
J995BCD	180 Degree Swing No Hold Open – Backcheck @ 85 Degrees

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

 J995BCN
 180 Degree Swing No Hold Open

 Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

NOTE: \*Door Closers set to comply with A.D.A. specified opening forces might not provide adequate spring power to control and close the door due to varying site conditions and door size.



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TYPE

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Center-Hung Package CONSISTS OF:

- 990 Closer Body
- Cement Case
- J7080 Center-Hung Arm
   CRL9040S8 Flat Tapered Spindle
- Installation Tool Package

#### CAT. NO. J990NHON

J993HON J994HON 180 Degree Swing No Hold Open 180 Degree Swing Hold Open @ 90 Degrees and 120 Degrees 180 Degree Swing Hold Open @ 105 Degrees 180 Degree Swing No Hold Open – Backcheck @ 85 Degrees

## **CRL Interchangeable Floor Closer Spindles**

### • Fit All 900 Series Floor Mounted Door Closers

CRL Flat Tapered and "MAB" Type Spindles are available in various heights to accommodate different threshold and finished floor heights, and are intended for use with our 900 Series Floor Mounted Door Closers. The CRL Flat Tapered Spindle will allow the use of all center-hung and offset bottom arms intended for use with this type of spindle, as well as CRL Patch Fitting Inserts. The "MAB" Style Spindle is commonly used throughout Europe and South America.

FLAT TAPERED Cat. NO.	"MAB" TYPE SQUARE Tapered Cat. No.	COLLAR HEIGHT/DRS Door Clearance	STANDARD Door Clearance
CRL9040S3	CRL9050S3	1/8" (3 mm)	5/16" (8 mm)
CRL9040S8*	CRL9050S8	*5/16" (8 mm)	*1/2" (13 mm)
CRL9040S13	CRL9050S13	1/2" (13 mm)	11/16" (17 mm)
CRL9040S18	CRL9050S18	3/4" (19 mm)	15/16" (24 mm)
CRL9040S23	CRL9050S23	7/8" (22 mm)	1-1/16" (27 mm)
CRL9040S28	CRL9050S28	1-1/8" (29 mm)	1-5/16" (33 mm)
CRL9040S33	CRL9050S33	1-5/16" (33 mm)	1-1/2" (38 mm)

Minimum order: 1 each. \* Supplied standard with all J990NH0N, J993H0N, J994H0N, and J995BCN Floor Closers. All Spindles can be combined for quantity pricing.

## • Fit All Floor Mounted Door Closers Wi

#### • Fit All Floor Mounted Door Closers With Flat Tapered Spindles

These CRL Center-Hung Bottom Arms should be used with doors having a minimum 3/4" (19 mm) deep bottom door rail. Arms will accommodate most door types, and will ease centering adjustment of the door. They can be used with all CRL brand Floor Mounted Door Closers, as well as any other closer using a 7/8" (22 mm) flat tapered type spindle.

CAT. NO.	APPLICATION
J7080	For Aluminum, Steel or Wood Doors
CRL9040CB	For Aluminum Doors
CRL9040TB	For Steel or Wood Doors
CRL9040AS	For CRL Door Rail System
Minimum order: 1 each. Arms can be combined	,

### CRL Floor Closer Cover Plates

24

 Fits 900 Series Floor Mounted Door Closers

These Floor Closer Cover Plates are for use with CRL 900 Series Floor Mounted Door Closers. They are available in four popular finishes, and allow for full closer adjustment without removing the door.

CAT. NO.	FINISH
J7020CPBS	Brushed Stainless Steel
J7020CPPB	Polished Brass
J7020CPPS	Polished Stainless Steel
J7020CPDU	Dark Bronze

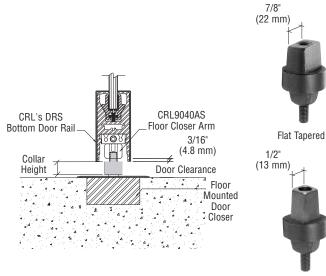
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### CRL Floor Closer Terrazzo Pan

#### For Use With 900 Series Floor Closers Only

Used to maintain the aesthetics of a continuous floor line when using flooring material such as terrazzo, tile, marble, etc. Pan is 13/16" (20.6 mm) in depth and requires the use of a CRL9040S23 spindle (ordered separately) for a minimum 1/4" (6 mm) clearance above the finished floor. Pan can be removed to make adjustments to the Floor Closer without having to take the door down. **NOTE:** Recommended for interior use only. Minimum order is one each.

CAT. NO. TPJ900



"MAB" Type Square Tapered



Arm for Aluminum, Steel or Wood Doors



CRL 900 Series

For CRL Door Rail System

 Cement Case
 Fits 900 Series Floor Mounted Door Closers



The CRL 900 Series Closer Cement Case is used to hold the 900 Series Floor Closer body in the floor. Minimum order is one each.

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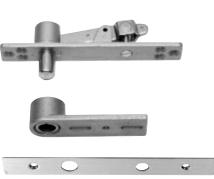
CAT. NO. J9010



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### **CRL Center-Hung Top Pivot** and Optional Cover Plate

- Walking Beam Style Pivot
- Optional Cover Plates Available in Five Finishes



#### CAT. NO. CRL9040WBP

This Center-Hung Top Pivot fits top door rails with a depth of 1" (25 mm). Pin has a diameter of 19/32" (15 mm), and drops down 1" (25 mm) for full contact with Upper Pivot Arm. Hollow Tube Mounting Brackets are also available. Minimum order is one each.

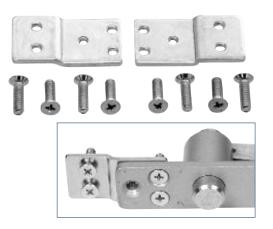
#### **OPTIONAL COVER PLATES**

CAT. NO.	FINISH
CRL9040CPA	Satin Aluminum
CRL9040CPBS	Brushed Stainless Steel
CRL9040CPPB	Polished Brass
CRL9040CPPS	Polished Stainless Stee
CRL9040CPDU	Dark Bronze

Minimum order: 1 each. Finishes can be combined for quantity pricing.

## **CRL Tube Mounting Brackets**

• Secures the CRL9040WBP Walking Beam Pivot



These CRL Tube Mounting Brackets are used to mount the CRL9040WBP Walking Beam Top Pivot body into hollow tube headers. Minimum order is one set.

CAT. NO. CRL9040MB

### **CRL Heavy-Duty Center-Hung Top Pivot**

- Walking Beam Type Pivot
- Lateral Pin Adjustment





This CRL Heavy-Duty Adjustable Center-Hung Walking Beam Type Top Pivot can handle center-hung doors weighing up to 1000 pounds (454 kg). Pivot features a vertical, as well as a lateral, pin adjustment to help align the door. The door portion consists of a needle bearing for maximum durability.

CAT. NO.	COVER PLATE FINISH
J580BS	Brushed Stainless Steel
J580PB	Polished Brass
J580PS	Polished Stainless Steel
J580DU	Dark Bronze

### CRL Top Rail Heavy-Duty Walking Beam Adapter Block

 For Use With J580 Series Heavy-Duty Center-Hung Top Pivot



This Adapter Block attaches to our standard slide block allowing the easy installation of the door portion of a J580 Series Heavy-Duty Walking Beam Pivot (see above). Minimum order is one each.

#### CAT. NO. CRLJ580ADP



#### For Pricing Visit crlaurence.com or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

### CRL Header Mounted **Free-Swinging Top Pivot**

- For Use With Top Door **Patch Fittings**
- Mounts in Masonry or Metal Header

This Header Mounted Free-Swinging Top Pivot is secured in masonry, or to metal, to allow for a free-swinging pivot. For use with Patch Fittings such as Cat. Nos. PH20A, PH21A, and EUR420, or any Top Pivot with a 19/32" (15 mm) diameter hole. Secure in masonry with the included brass masonry anchor, or secure to metal in a tapped 8 mm threaded hole. Minimum order is one each.



CAT. NO. 1NT405

NEV

### **CRL Jackson® Top Center-Hung Top Pivot Assembly**

- Walking Beam **Style Pivot**
- Includes Door Arm and Cover Plate



The CRL Jackson Center-Hung Pivot Set is designed to be used with standard 1-3/4" (44 mm) storefront aluminum doors weighing up to 250 pounds (113 kg). These Pivots fit top door rails with a depth of 1" (25 mm) and drops down 3/4" (19 mm) for full contact with the included Top Door Pivot Arm. Pin diameter is 1/2" (12.7 mm). These are perfect for new or retrofit applications.

CAT. NO.	FINISH
20534628	Aluminum
20534313	Dark Bronze
Minimum order: 1 each NOTE: Divote are not interchangeable with CDI 0040WDD	

rder: 1 each. NOTE: Pivots are not interchangeable with CRL9040WB

### **Technical Assistance for** All Door Closer Hardware

Live consultation by phone is available at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. From 6:00 am to 5:00 pm (Pacific Time) Monday through Friday, and 7:00 am to 12:00 pm on Saturday.

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### CRL Surface Mounted Free-Swinging **Top Pivot**

- Surface Mount Top Pivot Type for Use With Patch Fittings and CRL Wedge-Lock<sup>™</sup> Door Rail System
- Brushed Stainless Finish



This 19/32" (15 mm) diameter Free-Swinging Top Pivot installs easily to wood or metal substrates to work with Cat. No. CRL9040TDF or CRL9060TDF Top Door Fittings, CRL Top Door Patch Fittings PH20A, PH21A, and EUR420, or any Top Pivot with a 19/32" (15 mm) diameter hole. Brushed stainless finish. Mounting screws are not included. Minimum order is one each.

## **CRL Jackson® Center-Hung Top Pivot**

- Walking Beam Style Pivot Frame Portion Only
- Finished Cover Plate Included



This Center-Hung Top Pivot fits top door rails with a depth of 1" (25 mm). Hardened steel pin has a diameter of 1/2" (12.7 mm), and drops down 3/4" (19 mm) for full contact with Top Door Pivot Arm.

CAT. NO.	FINISH
213K628	Aluminum
213K313	Dark Bronze
Minimum order: 1 each.	

### Ask for Extension 752 **Direct Fax** (866) 921-0531 Direct E-Mail glazing@crlaurence.com





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## **Dorma® BTS80 Series Floor Mounted Door Closers**

The Dorma® BTS80 Series Floor Mounted Door Closers offer adaptability to almost any installation. The Dorma® Closer's compact body permits its use where a larger door closer would be prohibitive. The universal, non-handed design uses a system of interchangeable spindles, and will allow one basic door closer mechanism to be used for either single or double acting, center-hung or offset applications while accommodating virtually any floor covering or threshold height. The selective, multipoint hold open or variable delayed action feature makes this one of the most versatile door closers available. Accessories such as Cover Plates, Pivots, Center-Hung and Offset Arms are also available.

NOTE: This Door Closer is designed to open to a maximum of 180 degrees. An auxiliary floor or overhead stop is required to stop the door at less than 180 degrees.

#### SPECIFICATIONS:

Maximum Door Weight: 660 lbs. (299 kg) Maximum Interior Door Width: 54" (1372 mm) Maximum Exterior Door Width: 48" (1219 mm)

1-13/32" to 1-21/32" (36 to 42 mm)



CAT. NO.

BTS80BF

**BTS802** 

**BTS803** 

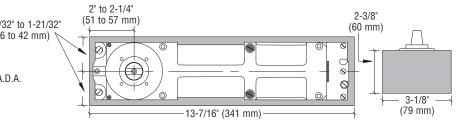
Minimum order

\*Although A.D.A. Series Door Closers comply with A.D.A. specified opening forces, they might not provide adequate spring power to control and close the door due to varying site conditions and door size

#### \_\_ \_ \_ \_ \_ \_ \_ \_ **DORMA®**



- 660 Pound (299 kg) Capacity, 54" (1372 mm) Doors
- Interchangeable Spindle Heights
- Selective Multi-Point Hold Open Position
- Variable Delayed Action
- 25 Year Limited Warranty
- UL Listed



#### **BTS80 COVER PLATES**

BTS80 FLOOR MOUNTED DOOR CLOSER WITH CEMENT CASE*				CAT. NO.	FINISH	
	SPRING SIZE	INTERIOR	DOOR CAPACITY	EXTERIOR	BTS7410CPBS	Brushed Stainless Steel
F	A.D.A 8.5 lb.**		When Used With a 36" (9	14 mm) Wide Door	BTS7410CPPB	Polished Brass
	Size 2 (EN4)	30" to 48" (762 to 1219 mm)	30" to 42"	' (762 to 1067 mm)	BTS7410CPPS	Polished Stainless Steel
	Size 3 (EN6)	48" to 54" (1219 to 1372 mm)	42" to 48" (	(1067 to 1219 mm)	BTS7410CPDU	Dark Bronze
ler 1	1 each All Door Closers can be	combined for quantity pricing *This Door Close	lle These are sold senarately	Minimum order: 1 each		

## **CRL Interchangeable Floor Closer Spindles**

#### For Use With DORMA® BTS80 and BTS75 Series Floor Mounted Door Closers

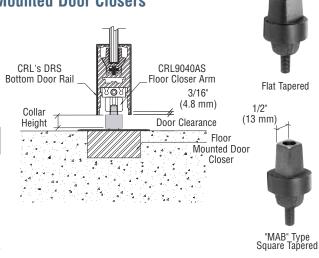
CRL Flat Tapered and "MAB" Type Spindles are available in various heights to accommodate different threshold and finished floor heights, and can be used with Dorma® BTS80 Floor Mounted Door Closers. The CRL Flat Tapered Spindle will allow the use of all center-hung and offset bottom arms intended for use with this type of spindle, as well as CRL Patch Fitting Inserts. The "MAB" Style Spindle is commonly used throughout Europe and South America.

FLAT TAPERED Cat. No.	"MAB" TYPE SQUARE Tapered Cat. No.	COLLAR HEIGHT/DRS Door Clearance	STANDARD Door Clearance
CRL9040S3	CRL9050S3	1/8" (3 mm)	5/16" (8 mm)
CRL9040S8	CRL9050S8	5/16" (8 mm)	1/2" (13 mm)
CRL9040S13	CRL9050S13	1/2" (13 mm)	11/16" (17 mm)
CRL9040S18	CRL9050S18	3/4" (19 mm)	15/16" (24 mm)
CRL9040S23	CRL9050S23	7/8" (22 mm)	1-1/16" (27 mm)
CRL9040S28	CRL9050S28	1-1/8" (29 mm)	1-5/16" (33 mm)
CRL9040S33	CRL9050S33	1-5/16" (33 mm)	1-1/2" (38 mm)

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Minimum order: 1 each All Spindles can be combined for quantity pricing

**US** ALUMINUM



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FINISH

7/8" (22 mm)

DORMA is a registered trademark of DORMA Properties, Inc.

Polished Brass

Dark Bronze

Polished Stainless Steel

## Dorma® BTS75V Series Floor Mounted Door Closers

- Adjustable Spring Power 1-4
- 25 Year Limited Warranty
- Standard and A.D.A. Compliant Barrier-Free Openings
- ANSI A156.4 Grade 1
- Accommodates Doors Up to 42" (1067 mm) Wide and Weighing Up to 260 Pounds (118 kg)

The Dorma® BT75V Series Floor Mounted Door Closers offer adaptability to almost any installation. The Dorma® Closer's compact body permits its use where a larger door closer would be prohibitive. The universal, non-handed design uses a system of interchangeable spindles, and will allow one basic door closer mechanism to be used for either single or double acting, center-hung or offset applications while accommodating virtually any floor covering or threshold height. Available in 90 or 105 degree hold open and non hold open, and full swing to 175 degree models.





Although DORMA BTS75VBF Series Closers comply with barrier-free ADA specified opening forces, they may not provide adequate spring power to control and close the door due to varying site conditions and door size.

#### DORMA® BTS75V FLOOR MOUNTED DOOR CLOSER WITH CEMENT CASE\*

STANDARD Cat. No.	BF BARRIER-FREE CAT. NO.	CLOSER DESCRIPTION
BTS75V90HO	BTS75VBF90HO	90 Degree Hold-Open
BTS75V105H0		105 Degree Hold-Open
BTS75VNHO	BTS75VBFNHO	175 Degree Non Hold-Open
Minimum orders 1 cook	All Deer Cleasers can be combined for quantity pricing	*This Dear Clease dass not include a Cover Dista or Chindle

Minimum order: 1 each. All Door Closers can be combined for quantity pricing. \*This Door Closer does not include a Cover Plate or Spindle These are sold separately

## Dorma® 3 Degree Offset Spindles

#### Provides 3 Degree Pre-Load Pressure to Help Hold Door in Closed Position Non-Handed • Handed, Flat Tapered Type LEFT HAND Cat. No. DOOR Clearance RIGHT HAND CAT. NO. CAT. NO. DESCRIPTION 5/16" (8 mm) 80003RH 80003LH 80625TP 1/2" (13 mm) Diameter Pin 80005LH 1/2" (13 mm) 80005RH 80010LH 3/4" (19 mm) 80010RH 8062TP 15 mm (19/32") Diameter Pin Minimum order: 1 each. Minimum order: 1 each. Left Hand Shown Dorma® Center-Hung Top Door Rail **Cover Plate Pivot Arm**

 For Use With 15 mm **Diameter Pin** 



## • Walking Beam Adjustable Pivots

BTS7510CPPB

BTS7510CPPS

BTS7510CPDU

Minimum order: 1 each

## **Dorma® Center-Hung Top Pivot**

 Finished Covers to Match Frame

CAT. NO.	FINISH
8062COVAL 8062COVDU	Aluminum Dark Bronze
Minimum order: 1 each.	

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- Dorma<sup>®</sup> Center-Hung Top Pivot

## **CRL Offset Top Pivots**

- Can Be Used With All Floor Mounted Door Closers
- Pivots Are Non-Handed

Offset Top Pivots are full mortise and non-handed for use with CRL Door Rails, as well as aluminum, wood, and hollow metal doors.





#### 3/4" (19 MM) OFFSET TOP PIVOTS

CAT. NO.	FINISH
CRL9075SC	Satin Chrome
CRL9075CH	Polished Chrome
CRL9075PB	Polished Brass
CRL9075DU	Dark Bronze

Minimum order: 1 each. Finishes and sizes can be combined for quantity pricing.

#### 1-1/2" (38 MM) OFFSET TOP PIVOTS

CAT. NO.	FINISH	
95120SC	Satin Chrome	
95120CH	Polished Chrome	
95120DU	Dark Bronze	

Minimum order: 1 each. Finishes and sizes can be combined for quantity pricing.

## CRL Jackson 3/4" Offset Intermediate Aluminum Pivots

- For New or Retrofit Use
- Available in Two Finishes
- Handed Left or Right

These 3/4" (19 mm) Offset Intermediate Aluminum Pivots are for new or retrofit use with standard 1-3/4" (44.5 mm) storefront aluminum doors to maintain door alignment. They are not intended to be load-bearing pivots. Pivots feature a 5/8" (15.9 mm) vertical adjustment.



LH Shown

	RIGHT HAND (LHR)	LEFT HAND (RHR)
FINISH	CAT. NO.	CAT. NO.
Aluminum	41J190R628	41J190L628
Dark Bronze	41J190R313	41J190L313
	can be combined for quantity pricing.	

### CRL Heavy-Duty 3/4" Offset Intermediate Pivots

- For New or Retrofit Use
- Available in Four Finishes

#### Handed Left or Right

These 3/4" (19 mm) Offset Intermediate Pivots are for new or retrofit use with standard 1-3/4" (45 mm) storefront aluminum doors to maintain door alignment. These are handed, full-mortise type Pivots, and feature a full race ball bearing and oilite bronze bushing for a long maintenance-free life. They are not intended to be load-bearing pivots. Pivots allow for a 5/8" (16 mm) vertical adjustment, and feature a fully retractable pin for easy installation.



LH Shown

LEFT HAND (RHR)	RIGHT HAND (LHR)	
CAT. NO.	CAT. NO.	FINISH
CRL19LHSC	CRL19RHSC	Satin Chrome
CRL19LHPC	CRL19RHPC	Polished Chrome
CRL19LHPB	CRL19RHPB	Polished Brass
CRL19LHDU	CRL19RHDU	Dark Bronze

Minimum order: 1 each. Finishes and handing can be combined for quantity pricing.

### CRL Reinforcement Backing Plate for Intermediate Offset Pivots

- Used With Offset
   Intermediate Pivots
- Non-Handed, Use for Both Door and Frame Reinforcement

Vots This CRL Reinforcement Backing Plate is designed to support standard Intermediate Pivots when mounted to storefront tubes. They are non-handed and made of heavy gauge plated steel. Plates are tapped for standard 1/4"-20 machine screws for the pivot mounting, and 12-24 machine screws to mount the plate to the frame or door.





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### CRL Bottom 3/4" Offset Pivot

- Bottom Pivot Mortised Into Side Jamb
- Weight of Door is Supported by Floor Portion
- Vertical Adjustment Range +1/4" to -1/16"

These Bottom Pivots are designed to fit standard aluminum, wood, and hollow metal doors 1-3/4" (44.5 mm) thick.

### **CRL Offset Bottom Arms**

- Fit All Floor Mounted Door Closers With Flat Tapered Spindles
- Handed Left or Right

CRL Offset Bottom Arms are used with single acting doors where the Floor Closer is offset mounted. The Arms can be used with: 7/8" (22 mm) Flat Tapered Spindles; CRL Door Rails; aluminum, wood, and hollow metal doors. The Arms are handed, and are supplied with a finished cover to complement the finish of the door.

### **CRL Technical Assistance**

- Auto CAD and Shop Drawings
- Installation Advice
- Detailed Project Quotes

We have added a dedicated Computer Aided Drafting (CAD) Department to our arsenal of Technical Sales and Engineering groups to assist you with drawing submittals and custom design work to land that special project.

Let CRL's Technical Sales Team help you with your project. Everyone at C.R. Laurence is dedicated to providing superior customer service, along with products and resources to keep our customers on the cutting edge of technology.

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Call (800) 421-6144 in the United States, (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Commercial Technical Sales at Ext. 7700. Direct Fax (800) 587-7501 or (323) 584-5289 Direct E-Mail architectural@crlaurence.com To view or place an order for any CRL product visit our Online Catalog at crlaurence.com

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9		4	9		1

Right Hand Shown

Left Hand Shown

### 3/4" (19 MM) OFFSET BOTTOM ARMS

LEFT HAND (RH	R)	RIGHT HAND (LHR)
CAT. NO.	FINISH	CAT. NO.
CRL9077SC	Satin Chrome	CRL9079SC
CRL9077PB	Polished Brass	CRL9079PB
CRL9077CH	Polished Chrome	CRL9079CH
CRL9077DU	Dark Bronze	CRL9079DU
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 $\label{eq:minimum} \begin{array}{l} \mbox{Minimum order: 1 each. Finishes and handing can be combined for } \\ \mbox{quantity pricing.} \end{array}$ 

#### 1-1/2" (38 MM) OFFSET BOTTOM ARMS

LEFT HAND (RH	IR)	RIGHT HAND (LHR)
CAT. NO.	FINISH	CAT. NO.
95323LHSC	Satin Chrome	95323RHSC
95323LHCH	Polished Chrome	95323RHCH
95323LHDU	Dark Bronze	95323RHDU
Minimum order: 1 eac quantity pricing.	h. Finishes and handing can b	e combined for

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LEFT HAND		
CAT. NO.	FINISH	

VIEW

CAT. NO.	FINISH	CAT. NO.
DH14211L DH14222L	Aluminum Dark Bronze	DH14211R DH14222R
Minimum order: 1 ea	ach.	

RIGHT HAND

### CRL Rixson® 27 Series 3/4" Offset Floor Mounted Door Closers

- For Exterior or Interior Doors
- Selective Hold Open Feature
- 450 Pound (204 kg) Capacity
- Built-In Positive Dead Stop
- Adjustable Backcheck
- ANSI 156.4 Grade 1
- 10 Year Limited Warranty
- UL Listed

Rixson<sup>®</sup> Floor Mounted Door Closers are a time proven product known for reliability and a long-lasting service-free life. Floor Closers provide the best mechanical means of controlling a door. They produce an 85% closing force-to-opening force ratio, thereby allowing for lighter opening forces and yet maintaining control of the door. The weight of the door is supported entirely by the bottom arm, which is directly connected to the floor closer spindle. This design allows these closers to handle the rigors of high traffic volume and heavier than average doors.

Rixson<sup>®</sup> Floor Mounted Door Closers are available from CRL with multiple features and options, such as Selective Hold Open, Built-In Positive Dead Stop, Adjustable Hydraulic Backcheck. Other optional features, finishes, and accessories are available upon request.







#### FEATURES AND SPECIFICATIONS

- Single Acting, Handed
- Selective Hold Open (SHO) Stocked
- Separate and Independent Valves for Closing Speed, Latching Speed, and Backcheck Adjustments
- Built-in Positive Dead Stop Prevents the Door From Swinging Beyond the Opening Degree Specified. (Stock 90 and 105 Degree)
- "PH" Models Meet ANSI A117.1 Physically Handicapped 8.5 Lb. A.D.A. Opening Force
- 450 Lb. (204 kg), 48" (1219 mm) Width Capacity. Manufacturer Recommends Using One Intermediate Pivot for Doors up to 90" (2286 mm) Tall, and One Additional Intermediate Pivot for Each Additional 30" (762 mm)

### Complete Rixson® 27 Series 3/4" Offset Floor Mounted Door Closer Packages

#### CONTENTS:

27 Series Offset Closer Body 253000 Cement Case 274750 Finished Cover Plate 252050 Bottom Arm R180 Top Offset Pivot





ТҮРЕ	HANDING	FINISH
90 Degree Selective Hold Open	Right Hand	Satin Chrome
90 Degree Selective Hold Open	Right Hand	Polished Chrome
90 Degree Selective Hold Open	Right Hand	Polished Brass
90 Degree Selective Hold Open	Right Hand	Dark Bronze
90 Degree Selective Hold Open	Left Hand	Satin Chrome
90 Degree Selective Hold Open	Left Hand	Polished Chrome
90 Degree Selective Hold Open	Left Hand	Polished Brass
90 Degree Selective Hold Open	Left Hand	Dark Bronze
105 Degree Selective Hold Open	Right Hand	Satin Chrome
105 Degree Selective Hold Open	Right Hand	Polished Chrome
105 Degree Selective Hold Open	Right Hand	Polished Brass
105 Degree Selective Hold Open	Right Hand	Dark Bronze
105 Degree Selective Hold Open	Left Hand	Satin Chrome
105 Degree Selective Hold Open	Left Hand	Polished Chrome
105 Degree Selective Hold Open	Left Hand	Polished Brass
105 Degree Selective Hold Open	Left Hand	Dark Bronze

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.



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Rixson® is a registered trademark of Yale Security, Inc., an ASSA ABLOY Group Company.

#### CRL Rixson® 27 Series 3/4" Offset **Floor Mounted Door Closers** 4-1/4" (108 mm) 1-1/16" Ο Ο 0 Ο (27 mm) 3/4" 3/4" (19 mm) (19 mm) 13/16" (21 mm) 13/16" (21 mm) 9-5/8" (244 mm) 0 0 1-3/16" 0 0 (30 mm) 6-1/8 (156 mm) 0 3/4" 0 (19 mm) 0 9-7/8" (251 mm) Floor Plate

# CRL Rixson<sup>®</sup> 27 Series 3/4" Offset Floor Mounted Door Closer Bodies Only

CAT. NO.	ТҮРЕ	HANDING
2790SHORHBODY	90 Degree Selective Hold Open	Right Hand
2790SHOLHBODY	90 Degree Selective Hold Open	Left Hand
27105SHORHBODY	105 Degree Selective Hold Open	Right Hand
27105Sholhbody	105 Degree Selective Hold Open	Left Hand

Minimum order: 1 each. All Door Closers can be combined for quantity pricing

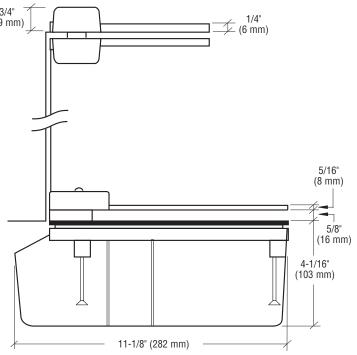
#### PH27 8.5 LB. A.D.A.\* FLOOR MOUNTED DOOR CLOSER BODY ONLY

CAT. NO.	ТҮРЕ	HANDING
PH2790SH0RH85	90 Degree Selective Hold Open	Right Hand
PH2790SH0LH85	90 Degree Selective Hold Open	Left Hand
PH27105SH0RH85	105 Degree Selective Hold Open	Right Hand
PH27105SH0LH85	105 Degree Selective Hold Open	Left Hand

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.



\*Although A.D.A. Series Door Closers comply with A.D.A. specified opening forces, they might not provide adequate spring power to control and close the door due to varying site conditions and door size.



NOTE: Requires Cat. No. 253000 Cement Case (See page D377)



**NOTE:** CRL is a stocking Rixson<sup>®</sup> Specialty Door Control Distributor. If you need Rixson<sup>®</sup> products that are not shown in our catalog, please contact CRL Door and Window Department at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7520. You can also e-mail us through our web site at crlaurence.com.

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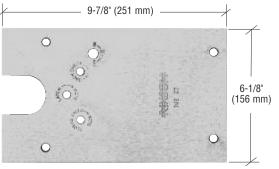
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### **CRL Rixson® Accessories for 27 Series** 3/4" Offset Floor Mounted Door Closers

#### **CRL Rixson® Cover Plates for 27 Series** SHO Floor Mounted Door Closers



27 Series SHO Cover Plate (RH Shown)

Cover Plates are handed, and allow access to selective hold open valve and closer adjustments without removing the door. Furnished complete with finished mounting screws. NOTE: For Cement Case see page D377.

LEFT HAND Cat. No.	RIGHT HAND CAT. NO.	FINISH
274750LHSC	274750RHSC	Satin Chrome
274750LHPC	274750RHPC	Polished Chrome
274750LHPB	274750RHPB	Polished Brass
274750LHDU	274750RHDU	Dark Bronze

Minimum order: 1 each. Finishes can be combined for quantity pricing.

#### CRL Rixson® 3/4" Offset **Top Pivots**

- Oil-Impregnated Sintered Bronze Bearing
- Non-Handed

These Offset Top Pivots are supplied with an oil-impregnated sintered bronze bearing, and intended for use with standard aluminum, wood, and hollow metal doors. These Pivots are fully mortised and non-handed. They are supplied with wood and machine screws to allow most common installations.

CAT. NO.	FINISH
R180SC	Satin Chrome
R180PC	Polished Chrome
R180PB	Polished Brass
R180DU	Dark Bronze

Minimum order: 1 each. Finishes can be combined for quantity pricing.



#### CRL Rixson® 3/4" Offset **Intermediate Pivots**

CRL Rixson® 3/4" (19 mm) Offset Intermediate Pivots are designed for use with standard 1-3/4" (45 mm) doors to maintain door alignment. Pivots are handed, and available in four standard architectural finishes. These Pivots are fully mortised and non load-bearing. They are supplied with wood and machine screws to allow most common installations. They are recommended for use with doors 90" (2.28 m) or taller. Each additional 30" (762 mm), or fraction thereof, warrants the use of an additional Intermediate Pivot.







LEFT HAND (RHR) Cat. No.	RIGHT HAND (LHR) CAT. NO.	FINISH
M19LHSC	M19RHSC	Satin Chrome
M19LHPC	M19RHPC	Polished Chrome
M19LHPB	M19RHPB	Polished Brass
M19LHDU	M19RHDU	Dark Bronze

Minimum order: 1 each. Finishes can be combined for quantity pricing

#### **CRL Reinforcement Backing Plate** for Intermediate Offset Pivots

 Non-Handed. Usable for Both Door and Frame Reinforcement



CRL Reinforcement Backing Plate is designed to support standard Intermediate Pivots when mounted to storefront tubes. They are non-handed, and made of heavy gauge, plated steel. Plates are tapped for standard 1/4-20 machine screws for the pivot mounting, and 12-24 machine screws to mount the plate to the frame or door. Minimum order is one each. CAT. NO. 2302711

### CRL Rixson® 3/4" Offset Arms for 27 Series Floor Mounted Door Closers



Offset Closer Arms are used with single acting doors where the Door Closer is offset mounted. The Arms are handed, and are supplied with a finished cover to match the opening finish.

RIGHT HAND CAT. NO.	FINISH
252050RHSC	Satin Chrome
252050RHPC	Polished Chrome
252050RHPB	Polished Brass
252050RHDU	Dark Bronze
	CAT. NO. 252050RHSC 252050RHPC 252050RHPB

Minimum order: 1 each. Finishes can be combined for quantity pricing

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Rixson<sup>®</sup> is a registered trademark of Yale Security, Inc., an ASSA ABLOY Group Company.

### CRL Rixson<sup>®</sup> 28 Series Center-Hung Floor Mounted Door Closers



- Selective Hold Open Feature
- 350 Pound (159 kg) Capacity
- Built-In Positive Dead Stop
- Adjustable Backcheck
- ANSI 156.4 Grade 1
- 10 Year Limited Warranty
- UL Listed

Rixson<sup>®</sup> Floor Mounted Door Closers are a time proven product known for reliability and a long-lasting service-free life. Floor Closers provide the best mechanical means of controlling a door. They produce an 85% closing force-to-opening force ratio, thereby allowing for lighter opening forces and yet maintaining control of the door. The weight of the door is supported entirely by the bottom arm, which is directly connected to the floor closer spindle. This design allows these closers to handle the rigors of high traffic volume and heavier than average doors.

Rixson<sup>®</sup> Floor Mounted Door Closers are available from CRL with multiple features and options, such as Selective Hold Open, Built-In Positive Dead Stop, Adjustable Hydraulic Backcheck. Other optional features, finishes, and accessories are available upon request.





- Single Acting, Handed
- Selective Hold Open (SHO) Stocked
- Separate and Independent Valves for Closing Speed, Latching Speed, and Backcheck Adjustments
- Built-in Positive Dead Stop Prevents the Door From Swinging Beyond the Opening Degree Specified. (Stock 90 and 105 Degree)
- "PH" Models Meet ANSI A117.1 Physically Handicapped 8.5 Lb. A.D.A. Opening Force

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- 350 Lb. (159 kg), 48" (1219 mm) Width Capacity.
- · Furnished with Wood and Machine Screws

### **Complete Rixson® 28 Series Center-Hung Floor Mounted Door Closer Packages**

#### CONTENTS:

28 Series Center-Hung Closer Body 253000 Cement Case 284720 Finished Cover Plate 282026 Bottom Arm 340 Center-Hung Top Pivot





CAT. NO.	ТҮРЕ	HANDING	FINISH
2890SHORHSC	90 Degree Selective Hold Open	Right Hand	Satin Chrome
2890SHORHPC	90 Degree Selective Hold Open	Right Hand	Polished Chrome
2890SHORHPB	90 Degree Selective Hold Open	Right Hand	Polished Brass
2890SHORHDU	90 Degree Selective Hold Open	Right Hand	Dark Bronze
2890SHOLHSC	90 Degree Selective Hold Open	Left Hand	Satin Chrome
2890SHOLHPC	90 Degree Selective Hold Open	Left Hand	Polished Chrome
2890SHOLHPB	90 Degree Selective Hold Open	Left Hand	Polished Brass
2890SHOLHDU	90 Degree Selective Hold Open	Left Hand	Dark Bronze
28105SHORHSC	105 Degree Selective Hold Open	Right Hand	Satin Chrome
28105SHORHPC	105 Degree Selective Hold Open	Right Hand	Polished Chrome
28105SHORHPB	105 Degree Selective Hold Open	Right Hand	Polished Brass
28105SHORHDU	105 Degree Selective Hold Open	Right Hand	Dark Bronze
28105SHOLHSC	105 Degree Selective Hold Open	Left Hand	Satin Chrome
28105SHOLHPC	105 Degree Selective Hold Open	Left Hand	Polished Chrome
28105SH0LHPB	105 Degree Selective Hold Open	Left Hand	Polished Brass
28105SH0LHDU	105 Degree Selective Hold Open	Left Hand	Dark Bronze



Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

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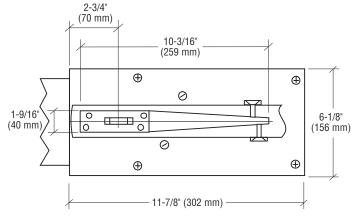
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### CRL Rixson<sup>®</sup> 28 Series Center-Hung Floor Mounted Door Closers



NOTE: CRL is a stocking Rixson® Specialty Door Control Distributor. If you need Rixson® products that are not shown in our catalog, please contact CRL Door and Window Department at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7520. You can also e-mail us through our web site at crlaurence.com

### CRL Rixson<sup>®</sup> 28 Series Center-Hung Floor Mounted Door Closer Bodies Only

28 SERIES FLOOR MOUNTED DOOR CLOSER BODY ONLY

CAT. NO.	ТҮРЕ	HANDING
2890SHORHBODY	90 Degree Selective Hold Open	Right Hand
2890SHOLHBODY	90 Degree Selective Hold Open	Left Hand
28105SHORHBODY	105 Degree Selective Hold Open	Right Hand
28105SHOLHBODY	105 Degree Selective Hold Open	Left Hand
Minimum order: 1 each. All Door Closers can be combined for quantity pricing.		

#### PH28 8.5 LB. A.D.A.\* FLOOR MOUNTED DOOR CLOSER BODY ONLY

CAT. NO.	ТҮРЕ	HANDING
PH2890SH0RH85	90 Degree Selective Hold Open	Right Hand
PH2890SH0LH85	90 Degree Selective Hold Open	Left Hand
PH28105SH0RH85	105 Degree Selective Hold Open	Right Hand
PH28105SH0LH85	105 Degree Selective Hold Open	Left Hand

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

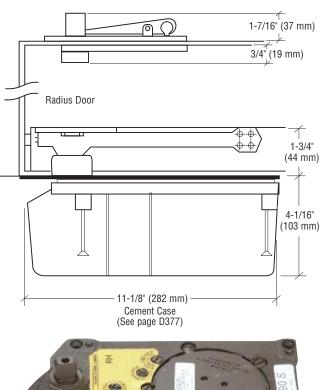


\*Although A.D.A. Series Door Closers comply with A.D.A. specified opening forces, they might not provide adequate spring power to control and close the door due to varying site conditions and door size.

#### CRL Rixson<sup>®</sup> 328 Series Center-Hung **Floor Mounted Door Closer Bodies** for Patch Fittings

#### 328 SERIES FLOOR MOUNTED DOOR CLOSER BODY ONLY

CAT. NO.	ТҮРЕ	HANDING
32890SHORHBODY	90 Degree Selective Hold Open	Right Hand
32890SHOLHBODY	90 Degree Selective Hold Open	Left Hand
328105SHORHBOD	105 Degree Selective Hold Open	Right Hand
328105SHOLHBOD	105 Degree Selective Hold Open	Left Hand
Minimum order: 1 each. All Doo	r Closers can be combined for quantity pricing.	





28 Series





328 Series

#### PH328 8.5 LB. A.D.A.\* FLOOR MOUNTED DOOR CLOSER BODY ONLY

CAT. NO.	ТҮРЕ	HANDING
PH32890SH0R85	90 Degree Selective Hold Open	Right Hand
PH32890SH0L85	90 Degree Selective Hold Open	Left Hand
PH328105SH0R85	105 Degree Selective Hold Open	Right Hand
PH328105SH0L85	105 Degree Selective Hold Open	Left Hand
Minimum order: 1 each. All Door Closers can be combined for quantity pricing.		

#### **US** ALUMINUM D376 |

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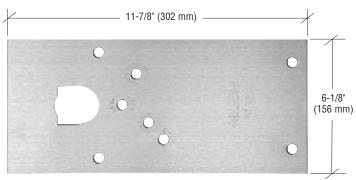
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### CRL Rixson<sup>®</sup> Accessories for 28 Series **Center-Hung Floor Mounted Door Closers**

### **CRL Rixson® Cover Plates for 28 Series SHO Floor Mounted Door Closers**



28 Series SHO Cover Plate (LH Shown)

Cover Plates are handed, and allow access to selective hold open valve and closer adjustments without removing the door. Furnished complete with finished mounting screws.

LEFT HAND Cat. No.	RIGHT HAND CAT. NO.	FINISH
284720LHSC	284720RHSC	Satin Chrome
284720LHPC	284720RHPC	Polished Chrome
284720LHPB	284720RHPB	Polished Brass
284720LHDU	284720RHDU	Dark Bronze

Minimum order: 1 each. Finishes can be combined for quantity pricing

### **CRL Rixson® 28 Center-Hung Arm**



This Center-Hung Bottom Arm is intended for use with the 28 Series type spindle. This Arm is non-handed and is supplied with exposed finished door alignment hardware.

CAT. NO.	FINISH
282026SC	Satin Chrome
282026PC	Polished Chrome
282026PB	Polished Brass
282026DU	Dark Bronze



CRL Rixson<sup>®</sup> Cement Case for 27 and 28 Series Floor Mounted Door Closers

#### CAT. NO. 253000

This Rixson® Cement Case is made from cycolac, and is used for standard 27 and 28 Series Floor Mounted Door Closer installations. This case is non-handed and supplied with mounting hardware. Minimum order is one each.



27 and 28 Series Door Closers sold separately (See pages D373, D376)

### CRL Rixson<sup>®</sup> 554 Center-Hung Arm



CAT. NO. 282554

This Center-Hung Bottom Arm is intended for use with the 28 Series type spindle, and is completely concealed with no exposed alignment hardware. Minimum order is one each.



28 Series Door Closer sold separately (See page D375)



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D377

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### **CRL Rixson® Accessories for Floor Mounted Door Closers**

### CRL Rixson<sup>®</sup> Regular Duty and Heavy-Duty Center-Hung Top Pivots

- Regular Duty 1/2" (12.7 mm) Diameter Pivot Pin With Sintered Bronze Bearing
- Heavy-Duty 11/16" (17.4 mm) Diameter Pivot Pin With Needle Bearing
- New Long Throw Heavy-Duty 3/4" (19 mm) Diameter Pivot Pin With Needle Bearing for Doors Over 8'6" (2.6 m) in Height
- Finished Cover Plates Are Included
- Pivots Are Non-Handed

These CRL Rixson<sup>®</sup> Center-Hung Walking Beam Top Pivots have either a standard 1/2" (12.7 mm), a heavy-duty 11/16" (17.4 mm), or a heavy-duty 3/4" (19 mm) diameter pivot pin. The supplied Top Rail Door Arm provides a 3/4" (19 mm) deep engagement for the first two models, and 1-3/4" (44 mm) deep engagement for the Long Throw Heavy-Duty Pivot, making it ideal for locations where there is concern of dramatic building settling. These Pivots are fully mortised and non-handed. Supplied with finished Cover Plate, plus wood and machine screws.

**NOTE:** Custom Rail and Header preparations are required when using the H345 Series Long Throw Heavy-Duty Pivot.

### **CRL Rixson® Center-Hung Pivot Set**

- For Interior or Exterior Center-Hung Doors Up to 500 Pounds (227 kg)
- Regular Duty 340 Center-Hung Top Pivot Included

This Rixson<sup>®</sup> Center-Hung Pivot Set features a 500 pound (227 kg) weight capacity, and can be used on center-hung doors up to 44" x 102" (1.12 x 2.59 m). Double-acting, non-handed Bottom Pivot mounts directly to floor with included fasteners. Sealed bearings for protection against the weather.

### CRL Rixson<sup>®</sup> 340 and H340 Walking Beam Adapter Blocks for Top Rail

- For Use With CRL DRS Door Rail System
- Used for Center-Hung Applications With Rixson® 340 or H340 Walking Beam Pivots

These Adapter Blocks attach to our standard slide block allowing the easy installation of the door portion of a Rixson<sup>®</sup> 340 Regular Duty Walking Beam Pivot or H340 Heavy-Duty Walking Beam Pivot. Minimum order is one each.



Heavy-Duty Top Pivot



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Long Throw Heavy-Duty Top Pivot

REGULAR DUTY CAT. NO.	HEAVY-DUTY Cat. No.	LONG THROW HEAVY-DUTY CAT. NO.	COVER PLATE FINISH
340SC	H340SC	H345SC	Satin Chrome
340PC	H340PC	H345PC	Polished Chrome
340PB	H340PB	H345PB	Polished Brass
340DU	H340DU	H345DU	Dark Bronze

Minimum order: 1 each. Finishes can be combined for quantity pricing





Bottom Pivot

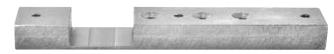
Regular Duty Top Pivot

CAT. NO.	COVER PLATE FINISH
370SC	Satin Chrome
370PC	Polished Chrome
370PB	Polished Brass
370DU	Dark Bronze

Minimum order: 1 each. Finishes can be combined for quantity pricing.



Regular Duty Adapter Block CAT. NO. CRL340ADP



Heavy-Duty Adapter Block CAT. NO. CRLH340ADP



# **CRL DOOR CONTROL HARDWARE**

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### **CRL Rixson® Overhead Stops and Holders**

- Protects Door and Entryway
- For Exterior or Interior Doors
- Concealed and Surface Mounted
- Non-Handed
- ANSI 156.8 Grade 1

### Heavy-Duty 6 Series Concealed Mount Overhead Stop

#### • Concealed Slide Track in Top Door Rail

	D	OOR OPENING TYPE	
CAT. NO.	<b>OFFSET PIVOTS/HINGES</b>	CENTER-HUNG PIVOTS	FINISH
6236SS 6236PB 6236DU	28-1/16" to 33" (713 to 838 mm)	30" to 36" (762 to 914 mm)	Satin Stainless Polished Brass Painted Dark Bronze
6336SS 6336PB 6336DU	33-1/16" to 38" (840 to 965 mm)	36-1/16" to 41" (916 to 1041 mm)	Satin Stainless Polished Brass Painted Dark Bronze
6436SS 6436PB 6436DU	38-1/16" to 43" (967 to 1092 mm)	41-1/16" to 46" (1043 to 1168 mm)	Satin Stainless Polished Brass Painted Dark Bronze
6536SS 6536PB 6536DU	43-1/16" to 48" (1094 to 1219 mm)	46-1/16" to 50" (1170 to 1270 mm)	Satin Stainless Polished Brass Painted Dark Bronze

Overhead Stops and Holders are used to protect both doors and entire entryways from damage caused by violent door openings due to wind gusts, heavy traffic frequency, abuse, and vandalism. By limiting the door travel, they can prevent damage to the door frame, closer, hinges, and pivots.

#### FEATURES AND SPECIFICATIONS

- Low Profile Concealed Channel Slide Track
- Designed for Installation in Aluminum Door Webbing and Door Rails
- Non-Handed
- Heavy Shock Absorber Spring Provides 5 to 7 Degree Compression Before Reaching a Dead-Stop
- Non-Metal Slide Block
- 110 Degree Maximum Opening
- Furnished With Fasteners for Both Wood or Metal Door and Frame

Minimum order: 1 each. All Overhead Stops can be combined for quantity pricing



#### FEATURES AND SPECIFICATIONS

- Non-Handed Slide Track Design
- Multi-Function Slider for Field Selection of Hold Open, Friction Stay or Stop Only
- Degree of Opening Fully Adjustable 110 Degree Maximum Opening
- Heavy Shock Absorber Spring Provides 5 to 7 Degree Compression Before Reaching a Dead-Stop
- Non-Metal Slide and Shock Block

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- Furnished With Fasteners for Both Wood or Metal Door and Frame
- Recommended for Medium Traffic, Medium Weight Doors



Minimum order: 1 each. All Overhead Stops can be combined for quantity pricing.

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**NOTE**: Standard 10 Series Overhead Stops and Holders are shipped for Push Side Mounting. For Pull Side Mounting, Order Cat. No. 5258 Optional Mounting Bracket.



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CAT. NO. NOTE: Standa 5258 For Pull Side I

### Multi-Function 10 Series Surface Mount Overhead Stops and Holders

#### Surface Mounted for New or Retrofit Installations

DOOR OPENING TYPE			
CAT. NO.	<b>OFFSET PIVOTS/HINGES</b>	CENTER-HUNG PIVOTS	FINISH
10346SS 10346SA 10346DU	30-1/16" to 36" (764 to 914 mm)	32-1/16" to 38" (814 to 965 mm)	Satin Stainless Polished Brass Painted Dark Bronze
10446SS 10446SA 10446DU	36-1/16" to 42" (916 to 1067 mm)	38-1/16" to 45" (967 to 1143 mm)	Satin Stainless Polished Brass Painted Dark Bronze
10546SS 10546SA 10546DU	42-1/16" to 48" (1068 to 1219 mm)	45-1/16" to 48" (1145 to 1219 mm)	Satin Stainless Polished Brass Painted Dark Bronze

### CRL Concealed Closer Retrofit Free-Swing Pivots and Arms



What's in the Header? International®, Jackson®, DORMA<sup>®</sup>. Kawneer<sup>®</sup> Huskv<sup>®</sup>?

What's in the Floor? Jackson<sup>®</sup>, Rixson<sup>®</sup> DORMA®, Dor-O-Matic®?

 For a Small Investment of CRL Surface Mount Door Closers. and an Assortment of CRL Free-Swing Pivots and Arms, You Can Cover 95% of All Installations



Service calls to repair concealed door closers due to closer failure or application problems are extremely expensive and frustrating. You must travel to the job site and, in most instances, remove the door and cover plates to determine the brand and closer type. After all that you find that the closer needs to be replaced. Because of the many varieties of closers, chances are you will need to order the closer and leave your customer with a dangerous, inoperative door.

CRL Free-Swing products give you an additional option. You can repair the malfunctioning door immediately without an additional service call with CRL Free-Swing Pivot and Arm Hardware. The beauty of the system is that it's less expensive, and can be done immediately without removing the defective concealed closer. Simply attach the appropriate Free-Swing Pivot Accessory to the old door closer spindle, this makes the door swing freely, completely independent of the existing closer. Then install a CRL Surface Mounted Door Closer to take care of the closing action and the job is done! The only change in operation is on center-hung, double acting doors. These must be changed to single acting doors by installing the angle stop provided in the package. There is no change in operation for single acting doors using butt or offset hinges, as these doors were single acting in the first place.

Are customers interested in selecting this option? In most cases the answer is "Yes", but only if you can offer it to them. A selection of CRL Surface Mounted Door Closers and a variety of CRL Free-Swing Pivots, Arms, and Accessories will cover 95% of all installations. Your customer saves because you can offer a valuable, cost effective service.

Dor-O-Matic is a registered trademark of Ingersoll-Rand plc. Husky<sup>e</sup> and Karneet<sup>®</sup> are registered trademarks of Kawneer Company, Inc. DORMA is a registered trademark of DORMA Properties, Inc. Rixson is a registered trademark of Yale Security, Inc., an ASSA ABLOY Group Company.

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#### **CRL Center-Hung Free-Swing** Arm and Bottom Pivot

The NDC100 works on most existing floor closer spindles to make the door swing free.





DESCRIPTIO Center-Hung Free-Swing Arm and Bottom Pivot

**NDC100** Minimum order: 1 each

CAT. NO.



The NDC101 Series works on most existing floor closer spindles to make the door swing free. These Arms come with a 3/4" or 1-1/2" (19 or 38 mm) offset, and are available in left hand and right hand models. Pivot is included.

CAT. NO.	DESCRIPTION
NDC101LH	Left Hand 3/4" (19 mm) Offset Floor Closer Arm
NDC101RH	Right Hand 3/4" (19 mm) Offset Floor Closer Arm
NDC101LH15	Left Hand 1-1/2" (38 mm) Offset Floor Closer Arm
NDC101RH15	Right Hand 1-1/2" (38 mm) Offset Floor Closer Arm
Minimum order: 1 each.	

### **CRL Center-Hung Free-Swing End-Load Top Arm**

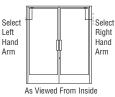


The NDC102 works on most existing overhead concealed door closers using end-load arms, including the Kawneer® Husky®. The spindle adapter rotates inside the bronze bushing and allows the door to swing free. Header mounted door stop included.

CAT. NO.	DESCRIPTION
NDC102	Center-Hung Free-Swing End-Load Top Arm
Minimum order: 1 each.	

### **CRL Center-Hung Free-Swing** Side-Load Top Arm





The NDC102 works on most existing overhead concealed door closers using side-load arms. The spindle adapter rotates inside a bronze bushing and allows the door to swing free. Arms are handed (see illustration at right for handing). Header mounted door stop included.

CAT. NO.	DESCRIPTION
NDC102SLLH NDC102SLRH	Left Hand Center-Hung Free-Swing Side-Load Top Arm Right Hand Center-Hung Free-Swing Side-Load Top Arm
Minimum order: 1 each.	



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# CRL Jackson Center-Hung Pivot Set for Aluminum Doors

- Set Includes Both Top and Bottom Pivot, Cover, and Components
- For Use With 1-3/4" (44.5 mm) Aluminum Doors
- Non-Handed

This complete Pivot Set is suited for use with standard 1-3/4" (44.5 mm) thick aluminum storefront doors. These non-handed Pivot Sets are perfect for new or retrofit applications. Maximum Weight: 125 lbs. (57 kg).









CAT. NO.	FINISH
670M628 670M313	Aluminum Dark Bronze
Minimum order: 1 each.	

### CRL Jackson 3/4" Offset Pivot Set

 Includes Both Top and Bottom Pivot Components

This complete Offset Pivot Set is used with standard 1-3/4" (44.5 mm) thick storefront aluminum doors

Non-handed Pivot Sets are perfect for new or retrofit

weight is 125 pounds (57 kg).

applications. Maximum

• Non-Handed



CAT. NO.	FINISH
689628 689313	Satin Aluminum Dark Bronze
Minimum order: 1 each.	

### **CRL Rixson® Center-Hung Pivot Set**

 Interior or Exterior Doors Up to 500 Pounds (227 kg)

• 340 Center-Hung Top

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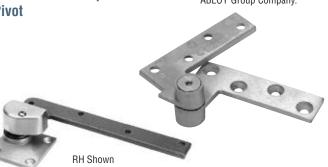
This Rixson<sup>®</sup> Center-Hung Pivot Set features a 500 pound (227 kg) weight capacity, and can be used on doors up to 44" x 102" (1118 x 2591 mm). Double-acting non-handed Bottom Pivot mounts directly to floor. Sealed bearings for protection against the weather.

### CRL Rixson® 3/4" Offset Top Pivot

 Interior or Exterior Doors Up to 600 Pounds (272 kg)

Rixson<sup>®</sup> is a registered trademark of Yale Security, Inc., an ASSA ABLOY Group Company.

 Includes R180 Top Offset Pivot



These Rixson<sup>®</sup> Offset Pivots have a 600 pound (272 kg) weight capacity, and will work on doors up to 42" (1067 mm) in width. Choice of left or right handed with finished Cover Plate.

RIGHT HAND	
CAT. NO.	COVER FINISH
147RHSC	Satin Chrome
147RHPC	Polished Chrome
147RHPB	Polished Brass
147RHDU	Dark Bronze
	CAT. NO. 147RHSC 147RHPC 147RHPB



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ABLOY Group Company.

### CRL Jackson 3/4" Offset Aluminum Intermediate Pivot

#### • For Use With 1-3/4" (44.5 mm) Doors

These Intermediate 3/4" (19 mm) Offset Pivots are for new or retrofit use with standard 1-3/4" (44.5 mm) storefront aluminum doors to maintain door alignment. They are not intended to be load-bearing pivots. Pivots feature a 5/8" (15.9 mm) vertical adjustment.



LEFT HAND (RHR) Cat. No.	RIGHT HAND (LHR) CAT. NO.	FINISH
41J190L628	41J190R628	Aluminum
41J190L313	41J190R313	Dark Bronze

Minimum order: 1 each. Finishes can be combined for quantity pricing.

### CRL Reinforcement Backing Plate for Intermediate Offset Pivots

#### • Non-Handed, Used for Both Door and Frame Reinforcement

This CRL Reinforcement Backing Plate is designed to support standard Intermediate Pivots (see above) when mounted to storefront tubes. They are non-handed and made of heavy gauge plated steel. Plates are tapped for standard 1/4-20 machine screws for the pivot mounting, and 12-24 machine screws to mount the plate to the frame or door. Minimum order is one each.

#### CRL Rixson<sup>®</sup> 3/4" Offset Intermediate Pivot Rixson<sup>®</sup> is a registered trademark of Yale Security, Inc., an ASSA

#### • Available In Four Finishes

This CRL Rixson® 3/4" (19 mm) Offset Intermediate Pivot is designed for use with standard 1-3/4" (44.5 mm) doors to maintain door alignment. Pivots are handed, and stocked in four standard architectural finishes. These Pivots are fully mortised and non load-bearing, and are supplied with wood and machine screws to allow most common installations.



LH Shown

LEFT HAND (RHR) Cat. No.	RIGHT HAND (LHR) CAT. NO.	FINISH
M19LHSC	M19RHSC	Satin Chrome
M19LHPC	M19RHPC	Polished Chrome
M19LHPB	M19RHPB	Polished Brass
M19LHDU	M19RHDU	Dark Bronze

Minimum order: 1 each. Finishes can be combined for quantity pricing.



CAT. NO. 2302711

### **CRL Technical Assistance**

- Auto CAD and Shop Drawings
- Installation Advice
- Detailed Project Quotes

We have added a dedicated Computer Aided Drafting (CAD) Department to our arsenal of Technical Sales and Engineering groups to assist you with drawing submittals and custom design work to land that special project.

Let CRL's Technical Sales Team help you with your project. Everyone at C.R. Laurence is dedicated to providing superior customer service, along with products and resources to keep our customers on the cutting edge of technology.





Call (800) 421-6144 in the United States, (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Commercial Technical Sales at Ext. 7700. Direct Fax (800) 587-7501 or (323) 584-5289 Direct E-Mail architectural@crlaurence.com To view or place an order for any CRL product visit our Online Catalog at crlaurence.com



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### CRL 3/4" Offset Pivot Sets

- 1/8" (3.2 mm) Vertical Adjustment
- Die Cast Aluminum
- Suitable for Aluminum Frames and Doors Weighing Up to 125 Pounds (57 kg)

### **OP27 and OP28 Series**

- Non-Handed
- Reversible

Non-handed Pivot Sets are available in satin aluminum and dark bronze finishes. One set per package.

CAT. NO.	HANDING	APPLICATION	FINISH
OP27NHA	Reversible	Flush with Frame Face	Aluminum
OP27NHDU	Reversible	Flush with Frame Face	Dark Bronze
OP28NHA	Reversible	Recessed 1/8" (3.2 mm)	Aluminum
OP28NHDU	Reversible	Recessed 1/8" (3.2 mm)	Dark Bronze

Minimum order: 1 each. All Pivot Sets can be combined for quantity pricing.

#### **OP30 and OP31 Series** • Handed - Not Reversible

 Used on: Arcadia, Arch Aluminum, Tubelite, Vistawall

Left or right hand Pivot Sets are available in satin aluminum and dark bronze finishes. One set per package.

OP30LHDU       Left Hand       Flush with Frame Face       Dark Bron         OP30RHA       Right Hand       Flush with Frame Face       Aluminu         OP30RHDU       Right Hand       Flush with Frame Face       Dark Bron         OP30RHDU       Right Hand       Flush with Frame Face       Dark Bron         OP31LHA       Left Hand       Recessed 1/8" (3.2 mm)       Aluminu         OP31LHA       Left Hand       Recessed 1/8" (3.2 mm)       Dark Bron         OP31RHA       Right Hand       Recessed 1/8" (3.2 mm)       Aluminu	CAT. NO.	HANDING	APPLICATION	FINISH
OP31LHDULeft HandRecessed 1/8" (3.2 mm)Dark BronOP31RHARight HandRecessed 1/8" (3.2 mm)Aluminu	OP30LHDU OP30RHA	Left Hand Right Hand	Flush with Frame Face Flush with Frame Face	Aluminum Dark Bronze Aluminum Dark Bronze
<b>OF STATIDO</b> AIGITETIATIO ALCESSEU 1/0 (3.2 IIIII) DAIR DIVI	0P31LHDU	Left Hand	Recessed 1/8" (3.2 mm)	Aluminum Dark Bronze Aluminum Dark Bronze

**OP34 Series** 

- Handed
- Not Reversible

Left or right hand Pivot Sets are available in satin aluminum and dark bronze finishes. One set per package.

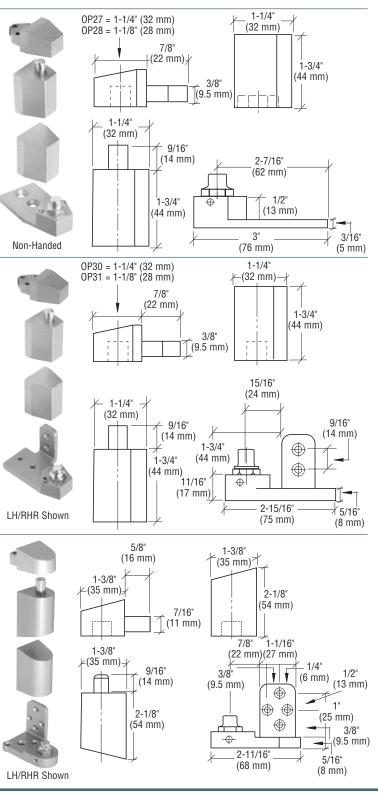
CAT. NO.	HANDING	APPLICATION	FINISH
0P34LHA	Left Hand	Flush with Frame Face	Aluminum
0P34LHDU	Left Hand	Flush with Frame Face	Dark Bronze
0P34RHA	Right Hand	Flush with Frame Face	Aluminum
0P34RHDU	Right Hand	Flush with Frame Face	Dark Bronze
Minimum and a data			

Minimum order: 1 each. All Pivot Sets can be combined for quantity pricing. For matching Intermediate Pivot Sets, see page D386.

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#### • Oilite Bronze Bushing in Top Frame Portion

CRL Offset Pivot Sets for commercial doors feature quality machined and die cast components in combinations to accommodate just about any commercial door. Everything you need comes in one box, including the door fasteners and anchors. Each has been illustrated with dimensions for ease of selection.

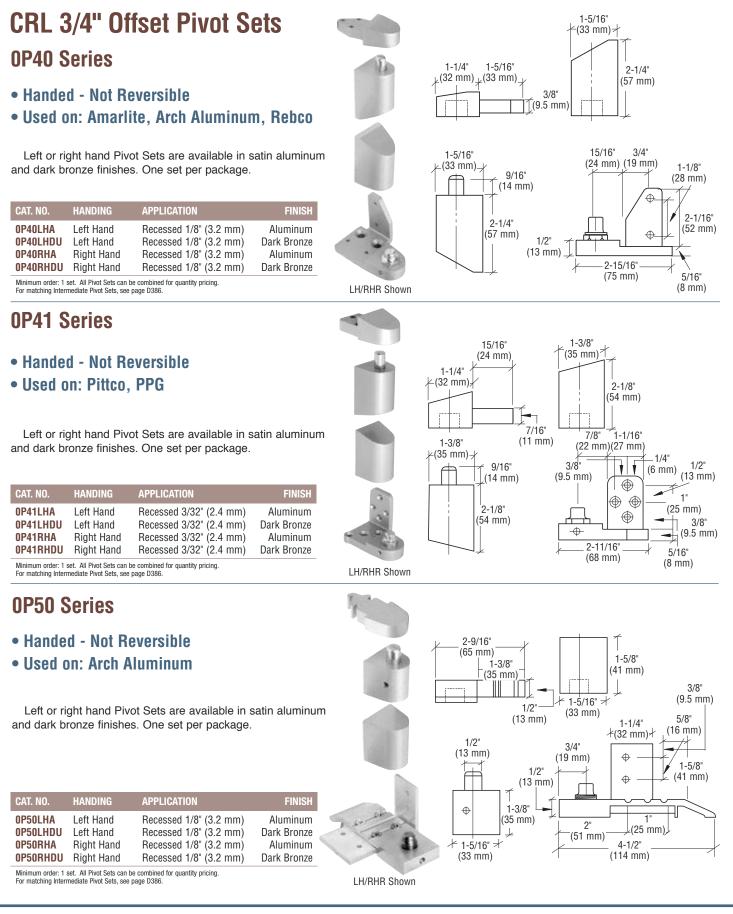


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#### For Pricing Visit **crlaurence.com** or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

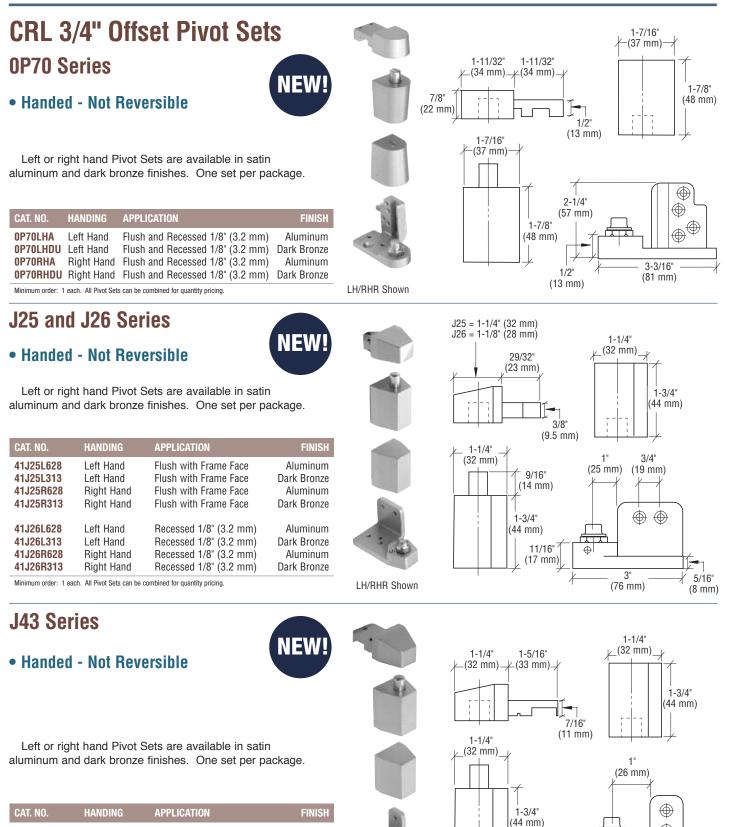




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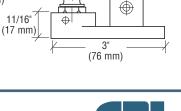
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CAT. NO.	HANDING	APPLICATION	FINISH
41J43L628	Left Hand	Flush with Frame Face	Aluminum
41J43L313	Left Hand	Flush with Frame Face	Dark Bronze
41J43R628	Right Hand	Flush with Frame Face	Aluminum
41J43R313	Right Hand	Flush with Frame Face	Dark Bronze
Minimum order: 1 ea	ch. All Pivot Sets can be	combined for quantity pricing.	

LH/RHR Shown



D385

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## CRL 3/4" Offset Pivot Sets

### **OP400 Top and Bottom Pivot Sets**

- Handed Not Reversible
- Used on: U.S. Aluminum
- Adjustable Bottom Door Portion

Left or right hand Pivots Sets are available in satin aluminum, dark bronze, and black finishes. One set per package.

CAT. NO.	HANDING	APPLICATION	FINISH
0P40011L	Left Hand	Flush with Frame Face	Aluminum
0P40022L	Left Hand	Flush with Frame Face	Dark Bronze
0P40033L	Left Hand	Flush with Frame Face	Black
0P40011R	Right Hand	Flush with Frame Face	Aluminum
0P40022R	Right Hand	Flush with Frame Face	Dark Bronze
0P40033R	Right Hand	Flush with Frame Face	Black

Minimum order: 1 set. All Pivot Sets can be combined for quantity pricing. For matching Intermediate Pivot Sets, see below.

#### CRL 3/4" Intermediate Offset Pivot Sets

- Handed Not Reversible
- Used on: U.S. Aluminum

Left or right hand Intermediate Pivots are available in satin aluminum, dark bronze, and black finishes. One set per package.

CAT. NO.	HANDING	APPLICATION	FINISH
DH02211L	Left Hand	Flush with Frame Face	Aluminum
DH02222L	Left Hand	Flush with Frame Face	Dark Bronze
DH02233L	Left Hand	Flush with Frame Face	Black
DH02211R	Right Hand	Flush with Frame Face	Aluminum
DH02222R DH02233R	Right Hand Right Hand	Flush with Frame Face Flush with Frame Face	Dark Bronze Black

Minimum order: 1 set. All Pivot Sets can be combined for quantity pricing.

#### CRL Jackson J14 3/4" Offset Intermediate Pivot Sets

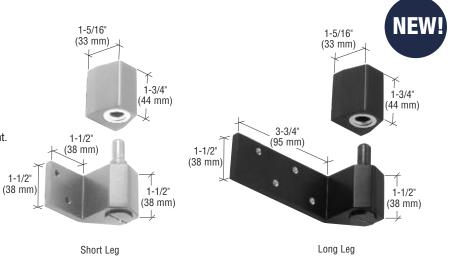
• Long or Short Leg Available for Jamb Mounting

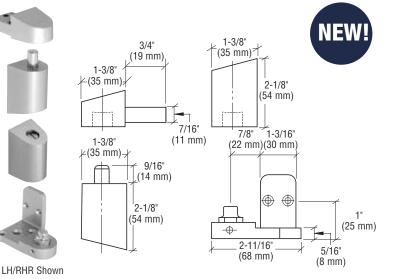
#### • Reversible - Non-Handed

These Intermediate Pivots are designed to mount to the jamb and fit standard 1-3/4" (44.5 mm) storefront aluminum doors to maintain door alignment. They are not intended to be load-bearing pivots. Available in both short and long leg models.

SHORT LEG Cat. No.	LONG LEG CAT. NO.	FINISH
41J14S628	41J14628	Aluminum
41J14S313	41J14313	Dark Bronze

Minimum order: 1 set.





(35 mm) 1-1/2" (38 mm) 1-3/8" (35 mm) 1-3/8" (35 mm) 1-3/8" (35 mm) 1-1/2" (38 mm) LH/RHR Shown

1-3/8"





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FEATURES AND BENEFITS

All Hinges are anodized after machining is done to provide longer life and reduce corrosion.

### **CRL Continuous Hinges**



100 and 150 Series **Full Surface Hinges** 







200 and 250 Series **Full Surface Hinges** 

300 and 350 Series **Concealed Leaf Hinges** 

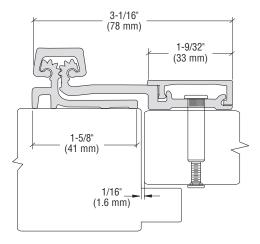
400 and 450 Series **Concealed Leaf Hinges** 

- Continuous Hinges are Specified by Large Retail Stores and Schools Because of Their Long Service Life
- Four Models are Available in Standard or Heavy-Duty
- Satin Anodized and Dark Bronze Anodized Finishes

CRL Continuous Hinges are made of high strength aluminum with a full-length rolling gear profile to align doors perfectly from top to bottom. Special self-lubricating polyacetal load bearing blocks deliver smooth, almost floating operation on even the heaviest doors. Hinges are completely secure because all mounting hardware is hidden when installed. Easy to install CRL Continuous Hinges come with instructions and all necessary hardware for mounting. Replacement Screw Packs, and Screw Covers are also available separately for on the job repairs.

### CRL 100 and 150 Series Full **Surface Continuous Hinges**

- Standard Duty Hinges for Doors Weighing Up to 200 Pounds (90 kg)
- Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)
- Available in Satin Anodized and Dark Bronze Anodized Finishes



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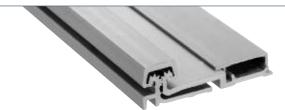
Standard Duty Hinges have 16 load bearing blocks for doors up to 200 pounds (90 kg). Heavy-Duty Hinges have 32 load bearing blocks for doors up to 600 pounds (272 kg) if attached with Riv-Nuts®.



Precision extruded components deliver smooth operation and long service life.



Our hole pattern is designed to speed up installations, but still provide the required attachment points needed to carry the weight.



These CRL Full Surface Continuous Hinges have load bearing blocks every 5-1/8" (130 mm) on the Standard Duty Hinge, and every 2-9/16" (65 mm) on the Heavy-Duty Hinge. They are available in satin anodized and dark bronze anodized finishes. A pack of installation screws is included with each Hinge. Replacement Screws Packs and Screw Covers are also available separately.

#### STANDARD DUTY FULL SURFACE CONTINUOUS HINGES

HINGE	HINGE	HINGE	SCREW COVER	SCREW PACK
Cat. No.	Length	FINISH	Cat. No.	Cat. No.
10083A	83" (2.11 m)	Satin Anodized	RSC100A	RSP100A
10083DU	83" (2.11 m)	Dark Bronze Anodized	RSC100DU	RSP100DU

#### HEAVY-DUTY FULL SURFACE CONTINUOUS HINGES

HINGE	HINGE	HINGE	SCREW COVER	SCREW PACK
CAT. NO.	Length	FINISH	Cat. No.	CAT. NO.
15083A	83" (2.11 m)	Satin Anodized	RSC100A	RSP100A
15083DU	83" (2.11 m)	Dark Bronze Anodized	RSC100DU	RSP100DU
15095A	95" (2.41 m)	Satin Anodized	RSC150A	RSP100A
15095DU	95" (2.41 m)	Dark Bronze Anodized	RSC150DU	RSP100DU
150120A	120" (3.05 m)	Satin Anodized	RSC150DU	RSP100A
150120DU	120" (3.05 m)	Dark Bronze Anodized	RSC150DU	RSP100DU

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Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing



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### CRL 200 and 250 Series Full Surface Continuous Hinges

- Standard Duty Hinges for Doors Weighing Up to 200 Pounds (90 kg)
- Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)

hing Up to 600 Pounds (272 kg) HINGE HIN 25/32" (20 mm) (36.5 mm) (36.5 mm) (36.5 mm) (19/32" (20 mm) (15.1 mm) 25/32" (15.1 mm) 25/05A (2005A (2005A) (200

These CRL Full Surface Continuous Hinges have load bearing blocks every 5-1/8" (130.2 mm) on the Standard Duty Hinge, and every 2-9/16" (65.1 mm) on the Heavy-Duty Hinge. A pack of installation screws is included with each Hinge. Replacement Screw Packs and Screw Covers are also available separately. **STANDARD DUTY FULL SURFACE CONTINUOUS HINGES** 

	STANDAND D	UTT FULL SUNFAU				
	HINGE Cat. No.	HINGE Length	HINGE FINISH	SCREW COVER SET Cat. No.	SCREW PACK CAT. NO.	
	20083A 20083DU	83" (2.11 m) 83" (2.11 m)	Satin Anodized Dark Bronze Anodized	RSC200A RSC200DU	RSP200A RSP200DU	
	HEAVY-DUTY	FULL SURFACE CO	ONTINUOUS HINGES			
	HINGE Cat. No.	HINGE Length	HINGE FINISH	SCREW COVER SET Cat. No.	SCREW PACK CAT. NO.	
!" im)	25083A 25083DU 25095A 25095DU 250120A 250120DU Minimum order: 1 et	83" (2.11 m) 83" (2.11 m) 95" (2.41 m) 95" (2.41 m) 120" (3.05 m) 120" (3.05 m) ach. All CRL Continuous Hil	Satin Anodized Dark Bronze Anodized Satin Anodized Dark Bronze Anodized Satin Anodized Dark Bronze Anodized	RSC200A RSC200DU RSC250A RSC250DU RSC250A RSC250DU	RSP200A RSP200DU RSP200A RSP200DU RSP200A RSP200DU	
	minimum order i odom zim one contaneodo mingoo dan bo contened to qualitary priority.					

### CRL 300 and 350 Series Concealed Leaf Continuous Hinges

1/32" (0.8 mm)

Door

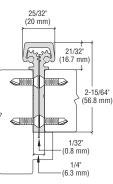
• Standard Duty Hinges for Doors Weighing Up to 200 Pounds (90 kg)

Jamb

27/64" (10.7 mm)

 Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)





These CRL Concealed Leaf Continuous Hinges have load bearing blocks every 5-1/8" (130.2 mm) on the Standard Duty Hinge, and every 2-9/16" (65.1 mm) on the Heavy-Duty Hinge. A pack of installation screws is included with each Hinge. Replacement Screw Packs are also available separately.

#### STANDARD DUTY CONCEALED LEAF CONTINUOUS HINGES

HINGE	HINGE	HINGE	SCREW PACK
CAT. NO.	Length	FINISH	CAT. NO.
30083A	83" (2.11 m)	Satin Anodized	RSP300A
30083DU	83" (2.11 m)	Dark Bronze Anodized	RSP300DU

#### HEAVY-DUTY CONCEALED LEAF CONTINUOUS HINGES

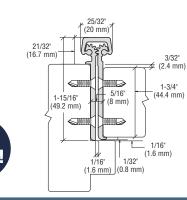
HINGE	HINGE	HINGE	SCREW PACK
Cat. No.	Length	FINISH	CAT. NO.
35083A	83" (2.11 m)	Satin Anodized	RSP300A
35083DU	83" (2.11 m)	Dark Bronze Anodized	RSP300DU
35095A	95" (2.41 m)	Satin Anodized	RSP300A
35095DU	95" (2.41 m)	Dark Bronze Anodized	RSP300DU
350120A	120" (3.05 m)	Satin Anodized	RSP300A
350120DU	120" (3.05 m)	Dark Bronze Anodized	RSP300DU

Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing.

### CRL 400 and 450 Series Concealed Leaf Continuous Hinges

- Standard Duty Hinges for Doors Weighing Up to 200 Pounds (90 kg)
- Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)

NEW



# These CRL Concealed Leaf Continuous Hinges have load bearing blocks every 5-1/8" (130.2 mm) on the Standard Duty Hinge, and every 2-9/16" (65.1 mm) on the Heavy-Duty Hinge. A pack of installation screws is included with each Hinge. Replacement Screw Packs are also available separately.

#### STANDARD DUTY CONCEALED LEAF CONTINUOUS HINGES

HINGE	HINGE	HINGE	SCREW PACK
Cat. No.	Length	FINISH	CAT. NO.
40083A	83" (2.11 m)	Satin Anodized	RSP400A
40083DU	83" (2.11 m)	Dark Bronze Anodized	RSP400DU

#### HEAVY-DUTY CONCEALED LEAF CONTINUOUS HINGES

HINGE CAT. NO.	HINGE Length	HINGE FINISH	SCREW PACK CAT. NO.
45083A	83" (2.11 m)	Satin Anodized	RSP400A
45083DU	83" (2.11 m)	Dark Bronze Anodized	RSP400DU
45095A	95" (2.41 m)	Satin Anodized	RSP400A
45095DU	95" (2.41 m)	Dark Bronze Anodized	RSP400DU
450120A	120" (3.05 m)	Satin Anodized	RSP400A
450120DU	120" (3.05 m)	Dark Bronze Anodized	RSP400DU



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## **CRL Roton Continuous Hinges**

- Specified Everywhere Because of Their Long Service Life
- Available in Standard or Heavy-Duty Models

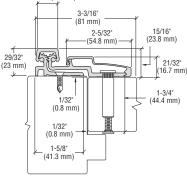
CRL Roton Hinges are made of high strength aluminum with a full-length rolling gear profile to align doors perfectly from top to bottom. Special self-lubricating polyacetal load bearing blocks deliver smooth, almost floating operation on even the heaviest doors. Hinges are completely secure because all mounting hardware is hidden. CRL Roton Hinges are easy to install, and come complete with instructions and all necessary mounting hardware. Replacement Screw Packs are also available.

25/32" (20 mm

#### CRL Roton 210 and 210HD Series **Full Surface Continuous Hinges**

- Standard Duty Hinges for **Doors Weighing Up to** 200 Pounds (90 kg)
- Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)

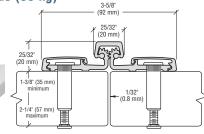




#### CRL Roton 057 and 057HD Series **Full Surface Continuous Hinges**

- Standard Duty Hinges for Doors Weighing Up to 200 Pounds (90 kg)
- Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)





#### Features and Benefits



Our hole pattern is designed to speed up installations, but still provide the required attachment points needed to carry the



weight. Standard Duty Hinges have 16 load bearing blocks for doors up to 200 pounds (90 kg). Heavy-Duty Hinges have 32 load bearing

#### STANDARD DUTY FULL SURFACE CONTINUOUS HINGES

HINGE	HINGE	HINGE	REPLACEMENT SCREW
Cat. No.	Length	FINISH	PACK CAT. NO.
21083A 21083DU 21095A 21095DU	83" (2.11 m) 95" (2.41 m)	Satin Anodized Dark Bronze Anodized Satin Anodized Dark Bronze Anodized	26469SA 29815DU 26469SA 29815DU

#### HEAVY-DUTY FULL SURFACE CONTINUOUS HINGES

HINGE CAT. NO.	HINGE Length	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
210HD83A	83" (2.11 m)	Satin Anodized	26469SA
210HD83DU	83" (2.11 m)	Dark Bronze Anodized	29815DU
210HD95A	95" (2.41 m)	Satin Anodized	26469SA
210HD95DU	95" (2.41 m)	Dark Bronze Anodized	29815DU
Minimum order: 1 ea	Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing.		

#### STANDARD DUTY FULL SURFACE CONTINUOUS HINGES

HINGE	HINGE	HINGE	REPLACEMENT SCREW
Cat. No.	LENGTH	FINISH	PACK CAT. NO.
05783A	( )	Satin Anodized	94875SA
05783DU		Dark Bronze Anodized	32357DU

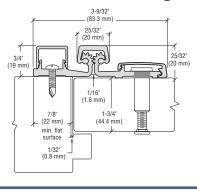
#### HEAVY-DUTY FULL SURFACE CONTINUOUS HINGES

HINGE	HINGE	HINGE F	REPLACEMENT SCREW	
Cat. No.	Length	FINISH	PACK CAT. NO.	
057HD83A	( /	Satin Anodized	94875SA	
057HD83DU		Dark Bronze Anodized	32357DU	
Minimum order: 1 ea	Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing.			

#### **CRL Roton 157 and 157HD Series Full Surface Frame Face Continuous Hinges**

- Standard Duty Hinges for Doors Weighing Up to 200 Pounds (90 kg)
- Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)





#### STANDARD DUTY FULL SURFACE FRAME FACE CONTINUOUS HINGES

HINGE	HINGE	HINGE	REPLACEMENT SCREW
Cat. No.	LENGTH	FINISH	PACK CAT. NO.
15783A	( /	Satin Anodized	64611SA
15783DU		Dark Bronze Anodized	31740DU

#### HEAVY-DUTY FULL SURFACE FRAME FACE CONTINUOUS HINGES

HINGE Length	HINGE R FINISH	EPLACEMENT SCREW PACK CAT. NO.
	Satin Anodized Dark Bronze Anodized	64611SA 31740DU

imum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing



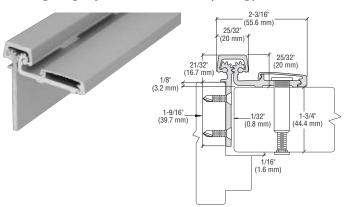
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### CRL Roton 053 Series Half Surface Continuous Hinges

 Standard Duty Hinges for Doors Weighing Up to 200 Pounds (90 kg)

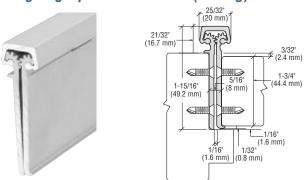


#### STANDARD DUTY HALF SURFACE CONTINUOUS HINGES

HINGE Cat. No.	HINGE Length	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
05383A	83" (2.11 m)	Satin Anodized	22701SA
05383DU	83" (2.11 m)	Dark Bronze Anodized	26245DU

### CRL Roton 224 and 224HD Series Concealed Leaf Continuous Hinges

- Standard Duty Hinges for Doors Weighing Up to 200 Pounds (90 kg)
- Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)



#### STANDARD DUTY CONCEALED LEAF CONTINUOUS HINGES

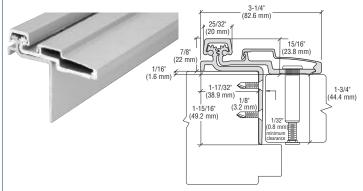
HINGE	HINGE	HINGE	REPLACEMENT SCREW	
Cat. No.	Length	Finish	PACK CAT. NO.	
22483A	83" (2.11 m)	Satin Anodized	61362SA	
22483DU	83" (2.11 m)	Dark Bronze Anodized	61815DU	
HEAVY-DUTY	HEAVY-DUTY CONCEALED LEAF CONTINUOUS HINGES			
HINGE	HINGE	HINGE	REPLACEMENT SCREW	
CAT. NO.	Length	Finish	PACK CAT. NO.	
224HD83A	83" (2.11 m)	Satin Anodized	61362SA	
224HD83DU	83" (2.11 m)	Dark Bronze Anodized	61815DU	

Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing

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#### CRL Roton 211HD Series Half Surface/Frame Leaf Wrap-Around Continuous Hinges

• Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)

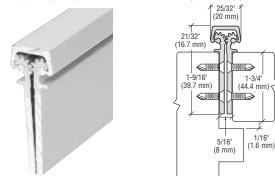


#### HEAVY-DUTY HALF SURFACE/FRAME LEAF CONTINUOUS HINGES

		,	
HINGE	HINGE	HINGE	REPLACEMENT SCREW
Cat. No.	Length	Finish	PACK CAT. NO.
211HD83A	83" (2.11 m)	Satin Anodized	22701SA
211HD83DU	83" (2.11 m)	Dark Bronze Anodized	26245DU
Minimum order: 1 ead	ch. All CRL Continuous H	linges can be combined for quantity pri	cing.

### CRL Roton 112 and 112HD Series Concealed Leaf Continuous Hinges

- Standard Duty Hinges for Doors Weighing Up to 200 Pounds (90 kg)
- Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)



#### STANDARD DUTY CONCEALED LEAF CONTINUOUS HINGES

•				
HINGE Cat. No.	HINGE Length	HINGE Finish	REPLACEMENT SCREW PACK CAT. NO.	
11283A 11283DU	83" (2.11 m) 83" (2.11 m)	Satin Anodized Dark Bronze Anodized	61362SA 61815DU	
HEAVY-DUTY CONCEALED LEAF CONTINUOUS HINGES				
HINCE	HINCE	UNCE		

 
 HINGE CAT. NO.
 HINGE LENGTH
 HINGE FINISH
 REPLACEMENT SCREW PACK CAT. NO.

 112HD83A 112HD83DU
 83" (2.11 m)
 Satin Anodized Dark Bronze Anodized
 61362SA 61815DU

 Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing.
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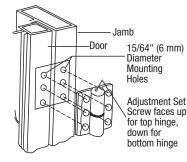
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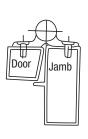
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### **CRL Universal Hinge Replacement Kit for Storefront Doors**

- Universal Fit for Both Flush and 1/8" (3 mm) Recessed Doors
- Use for Doors Weighing Up to 300 Pounds (136 kg)
- Instant Adjustments to Fine Tolerances
- Smooth Bearing Action
- Self-Lubricating Pin





This Universal Hinge Replacement Kit is machined to the close tolerances required for heavy, continuously used commercial doors. The universal fit allows replacement of all storefront hinges without modification on both flush and 1/8" (3 mm) recessed doors. The secure, non-exposed hinge pins cannot be reached, removed or tampered with. The door weight is supported by a case hardened, self-lubricating pin and machine quality anti-friction roller with thrust bearings sealed in oil.

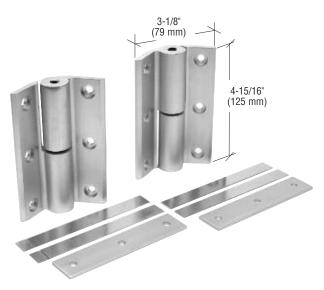
#### CRL Reinforcement Backing Plate for Standard Weight Butt Hinge Installations

This CRL Reinforcement Backing Plate is designed to support Standard Weight BB10, BB15, BB30, BB35, BB40, and BB45 Style 4-1/2" (114 mm) Ball Bearing Butt Hinges when mounted to storefront tubes. They are non-handed, and made of heavy gauge, plated steel. Plates are tapped for standard 12-24 machine screws to mount the Plate to the frame or door. Minimum order is one each.

#### CRL Reinforcement Backing Plate for Heavy Weight Butt Hinge Installations

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This CRL Reinforcement Backing Plate is designed to support Heavy Weight BB20, BB25, BB50, BB55, BB60, and BB65 Style 4-1/2" (114 mm) Ball Bearing Butt Hinges when mounted to storefront tubes. They are non-handed, and made of heavy gauge, plated steel. Plates are tapped for standard 12-24 machine screws to mount the Plate to the frame or door. Minimum order is one each.



#### Each Hinge Kit Contains:

Two Hinges; Two 1/8" (3 mm) Thick Shim Plates; Four Screw Cover Plates; 12 One-Way Mounting Screws; One Hex Wrench; Complete Instructions

CAT. NO.	FINISH	
DL1099A DL1099DU	Satin Anodized Bronze Anodized	
Minimum order: 1 pair. All Storefront Hinges can be combined for quantity pricing.		

- Used With BB10, BB15, BB30, BB35, BB40, and BB45 Style Standard Weight Butt Hinges
- Non-Handed, Can Be Used for Both Door and Frame Reinforcement



- Used With BB20, BB25, BB50, BB55, BB60, and BB65 Style Heavy Weight Butt Hinges
- Non-Handed, Can Be Used for Both Door and Frame Reinforcement

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CAT. NO. MHA4



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### **CRL Ball Bearing Square Hinges**

- Full Mortise Hinges for Medium Weight Doors
- Four Sizes Available in a Number of Finishes
- Complete With Machine and Wood Screws

These ball bearing full mortise type Square Hinges are ideal for medium weight doors receiving average frequency use. Made from .134 gauge steel, these Hinges are packed three per box, with machine screws and wood screws included.

#### 3-1/2" X 3-1/2" (89 X 89 MM)

CAT. NO.	HINGE PIN TYPE	FINISH
CB3510B	Removable Pin	Antique Oiled Bronze
CB3515	Removable Pin	Antique Brass
CB3526	Removable Pin	Bright Chrome
CB3526D	Removable Pin	Dull Chrome

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing.

#### 4" X 4" (102 X 102 MM)

CAT. NO.	HINGE PIN TYPE	FINISH
CB410	Removable Pin	Dull Bronze
CB410A	Removable Pin	Antique Lacquer Bronze
CB410B	Removable Pin	Antique Oiled Bronze
CB415	Removable Pin	Dull Nickel
CB415A	Removable Pin	Antique Nickel
CB426	Removable Pin	Bright Chrome
CB426D	Removable Pin	Dull Chrome
CB43	Removable Pin	Polished Brass
CB44	Removable Pin	Dull Brass

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing.

### CRL 4" x 4" Ball Bearing Hinge

#### • 1/4" Radius Corners

These 4" x 4" (102 x 102 mm) Hinges have 1/4" (6.3 mm) radius corners. Ball bearing full mortise type Hinges are ideal for medium weight doors receiving average frequency use. Hinges come packed three per box, with machine screws and wood screws included.



NEW

CAT. NO.	HINGE PIN TYPE	FINISH
CB4410B	Removable Pin	Antique Oiled Bronze
CB4415	Removable Pin	Dull Nickel
CB4426D	Removable Pin	Dull Chrome
CB443	Removable Pin	Polished Brass
CB444	Removable Pin	Dull Brass
CB44D	Removable Pin	Black

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing.







#### 4-1/2" X 4-1/2" (114 X 114 MM)

	, , ,	
CAT. NO.	HINGE PIN TYPE	FINISH
CB4510	Removable Pin	Dull Bronze
CB4510A	Removable Pin	Antique Lacquer Bronze
CB4510B	Removable Pin	Antique Oiled Bronze
CB4515	Removable Pin	Dull Nickel
CB4526	Removable Pin	Bright Chrome
CB4526D	Removable Pin	Dull Chrome
CB453	Removable Pin	Polished Brass
CB4532D	Removable Pin	Satin Stainless Steel
CB454	Removable Pin	Dull Brass
CB455	Removable Pin	Antique Brass
CB45D	Removable Pin	Black
CB45P	Removable Pin	Prime Coat

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing.

#### 5" X 5" (127 X 127 MM)

CAT. NO.	HINGE PIN TYPE	FINISH
CB510B CB526D CB53	Removable Pin Removable Pin Removable Pin	Antique Oiled Bronze Dull Chrome Polished Brass
0000	Nelliovable Fill	

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing.

### CRL 4" x 4" Ball Bearing Hinge • 5/8" Radius Corners

These 4" x 4" (102 x 102 mm) Hinges have 5/8" (16 mm) radius corners. Hinges are full mortise type ball bearing Hinges, which are ideal for medium weight doors receiving average frequency use. Made from .134 gauge steel, these Hinges are packed three per box, with machine

screws and wood screws included.



CAT. NO.	HINGE PIN TYPE	FINISH
CB4810B	Removable Pin	Antique Oiled Bronze
CB4815	Removable Pin	Dull Nickel
CB48D	Removable Pin	Black

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing.



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#### CRL 4-1/2" x 4" Standard Weight **Ball Bearing Hinge** • 1/4" Radius Corners

These CRL 4-1/2" x 4" (114 x 102 mm) Hinges have 1/4" (6.3 mm) radius corners. Ball bearing full mortise type Hinges are ideal for medium weight doors receiving average frequency use. Hinges come three per box, with machine screws and wood screws included.



CAT. NO.	HINGE PIN TYPE	FINISH
BB30A	Removable Pin	Satin Chrome
BB30BRZ	Removable Pin	Bronze
BB35NRPA	Non-Removable Pin	Satin Chrome
BB35NRPBRZ	Non-Removable Pin	Bronze

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing

#### CRL 4-1/2" x 4-1/2" Standard Weight **Ball Bearing Hinge**

These ball bearing full mortise type Butt Hinges are ideal for medium weight metal doors receiving average frequency use. Quality construction (.134 Gauge) in satin chrome and bronze finishes. Standard non-rising button-head pins, also available with non-removable pins. Hinges are packed three per box, with all machine and wood screws included.



CAT. NO.	PIN TYPE	FINISH
BB10A	Standard	Satin Chrome
BB10BRZ	Standard	Bronze
BB15NRPA	Non-Removable	Satin Chrome
BB15NRPBRZ	Non-Removable	Bronze
Minimum order: 1 hox All Storefr	ant Hingas can be combined for quantity pricing	

m order: 1 box. All Storefront Hinges can be combined for quantity pricing

#### CRL 4-1/2" x 4-1/2" Heavy Weight **Ball Bearing Hinge**

CRL 4-1/2" x 4-1/2" (114 x 114 mm) heavy weight ball bearing full mortise type Hinges are ideal for heavy weight doors receiving high frequency use. Hinges come three per box, with machine screws and wood screws included.



CAT. NO.	HINGE PIN TYPE	FINISH
BB20A	Removable Pin	Satin Chrome
BB20BRZ	Removable Pin	Bronze
BB25NRPA	Non-Removable Pin	Satin Chrome
BB25NRPBRZ	Non-Removable Pin	Bronze

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing

#### CRL 4-1/2" x 4-1/2" Standard Weight **Ball Bearing Hinge** • 1/4" Radius Corners

These CRL 4-1/2" x 4-1/2" (114 x 114 mm) Hinges have 1/4" (6.3 mm) radius corners. Ball bearing full mortise type Hinges are ideal for medium weight doors receiving average frequency use. Hinges come three per box, with machine screws and wood screws included.



CAT. NO.	HINGE PIN TYPE	FINISH
BB40A	Removable Pin	Satin Chrome
BB40BRZ	Removable Pin	Bronze
BB45NRPA	Non-Removable Pin	Satin Chrome
BB45NRPBRZ	Non-Removable Pin	Bronze

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing.

### CRL 4-1/2" x 4" Heavy Weight **Ball Bearing Hinge**

#### 1/4" Radius Corners

These CRL 4-1/2" x 4" (114 x 102 mm) Hinges have 1/4" (6.3 mm) radius corners. Ball bearing full mortise type Hinges are ideal for heavy weight doors receiving high frequency use. Hinges come three per box, with machine screws and wood screws included.



CAT. NO.	HINGE PIN TYPE	FINISH
BB50A	Removable Pin	Satin Chrome
BB50BRZ	Removable Pin	Bronze
BB55NRPA	Non-Removable Pin	Satin Chrome
BB55NRPBRZ	Non-Removable Pin	Bronze

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing

#### CRL 4-1/2" x 4-1/2" Heavy Weight **Ball Bearing Hinge**

#### 1/4" Radius Corners

These CRL 4-1/2" x 4-1/2" (114 x 114 mm) Hinges have 1/4" (6.3 mm) radius corners. Heavy weight ball bearing Hinges are ideal for heavy weight doors receiving high frequency use. Hinges come three per box, with machine screws and wood screws included.



CAT. NO.	HINGE PIN TYPE	FINISH
BB60A	Removable Pin	Satin Chrome
BB60BRZ	Removable Pin	Bronze
BB65NRPA	Non-Removable Pin	Satin Chrome
BB65NRPBRZ	Non-Removable Pin	Bronze

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Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing.



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### CRL 4-1/2" x 4" Standard Weight **Ball Bearing Hinge**

#### Stainless Steel



These 4-1/2" x 4" (114 x 102) stainless steel Hinges have 1/4" (6.3 mm) radius corners. Ball bearing full mortise type Hinges are ideal for storefront doors receiving moderate to heavy traffic flow. Hinges are sold separately, with machine screws included.



NEW!

CAT. NO.	HINGE PIN TYPE	FINISH
DH70911	Non-Removable Pin	Clear
DH70922	Non-Removable Pin	Bronze

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing

#### **CRL Double-Acting Spring Hinge**

 Available for Two **Door Thicknesses** 

• Dull Brass Finish

**CRL** Double-Acting Spring Hinges have square corners and are available for two door thicknesses. They are packed one pair per box. Wood screws and machine screws are included.

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5" (127 mm) I	c	
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	¢	
	- 3-3/4" (95 mm)	

NEW!

CAT. NO.	DOOR THICKNESS	FINISH
0705DB	Fits 1" to 1-1/2" (25 to 38 mm) Doors	Dull Brass
0706DB	Fits 1-1/4" to 1-3/4" (32 to 45 mm) Doors	Dull Brass
Minimum order: 1 pair. Sizes can be combined for quantity pricing.		

#### CRL 5" x 4-1/2" Heavy-Duty **Ball Bearing Hinge**

Brass Construction



Ideal for Heavy Weight Doors

These 5" x 4-1/2" (127 x 114) heavy-duty brass Hinges have 1/4" (6.3 mm) radius corners. Ball bearing full mortise type Hinges are designed for heavy doors receiving heavy-abusive traffic flow. Hinges are sold separately, with machine screws included.



CAT. NO.	HINGE PIN TYPE	FINISH
DH71911	Non-Removable Pin	Clear
DH71922	Non-Removable Pin	Bronze

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.

### **CRL Technical Assistance**



CRL Technical Sales can be reached Monday through Friday from 6:00 am to 5:00 pm Pacific Time. Phone toll free (800) 421-6144 from anywhere in the U.S., (877) 421-6144 from anywhere in Canada, or (323) 588-1281 International, and ask for Ext. 7700.

You can also send e-mail requests for quotes or product information from the crlaurence.com home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

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### **CRL Plain Bearing Square Hinges**

- Full Mortise Hinges for Medium Weight, Average Service Doors
- Three Sizes Available in a Variety of Finishes
- Complete With Machine and Wood Screws

These plain bearing full mortise type Square Hinges are ideal for medium weight doors receiving average frequency use. They are available in up to nine finishes, and made from .134 gauge steel. Hinges are packed three per box, with machine screws and wood screws included.

#### 3-1/2" X 3-1/2" (89 X 89 MM)

CAT. NO.	HINGE PIN TYPE	FINISH
C3510A	Removable Pin	Antique Lacquer Bronze
C3510B	Removable Pin	Antique Oiled Bronze
C3515	Removable Pin	Dull Nickel
C3515A	Removable Pin	Antique Nickel
C3526D	Removable Pin	Dull Chrome
C355	Removable Pin	Antique Brass

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing.

#### 4" X 4" (102 X 102 MM)

CAT. NO.	HINGE PIN TYPE	FINISH
C410A	Removable Pin	Antique Lacquer Bronze
C410B	Removable Pin	Antique Oiled Bronze
C415	Removable Pin	Dull Nickel
C426	Removable Pin	Bright Chrome
C426D	Removable Pin	Dull Chrome
C4D	Removable Pin	Black

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing.

### CRL 4" x 4" Plain Bearing Hinge

#### • 1/4" Radius Corners

These 4" x 4" (102 x 102 mm) plain bearing full mortise type Hinges have 1/4" (6.3 mm) radius corners. They are ideal for medium weight doors receiving average frequency use. Made from .134 gauge steel, these Hinges are packed three per box, with machine screws and wood screws included.



**NEW** 

CAT. NO.	HINGE PIN TYPE	FINISH
C4410B	Removable Pin	Antique Oiled Bronze
C4415	Removable Pin	Dull Nickel
C4426D	Removable Pin	Dull Chrome
C444	Removable Pin	Dull Brass
C445	Removable Pin	Antique Brass

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing.

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#### 4-1/2" X 4-1/2" (114 X 114 MM)

CAT. NO.	HINGE PIN TYPE	FINISH
C4510A	Removable Pin	Antique Lacquer Bronze
C4510B	Removable Pin	Antique Oiled Bronze
C4515	Removable Pin	Dull Nickel
C4526	Removable Pin	Bright Chrome
C4526D	Removable Pin	Dull Chrome
C453	Removable Pin	Polished Brass
C454	Removable Pin	Dull Brass
C45D	Removable Pin	Black
C45P	Removable Pin	Prime Coat

Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing

# CRL 4" x 4" Plain Bearing Hinge

#### • 5/8" Radius Corners



These 4" x 4" (102 x 102 mm) plain bearing full mortise type Hinges have 5/8" (16 mm) radius corners, and are ideal for medium weight doors receiving average frequency use. Made from .134 gauge steel, Hinges come packed three per box, with machine screws and wood screws included.



CAT. NO.	HINGE PIN TYPE	FINISH
C4810B	Removable Pin	Antique Oiled Bronze
C4826D	Removable Pin	Dull Chrome

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Minimum order: 1 box. Sizes and finishes can be combined for quantity pricing.



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### CRL 3-1/2" x 3-1/2" Heavy-Duty Spring Hinge

• 1/4" Radius Corners

#### • Commercial Grade

These 3-1/2" x 3-1/2" (89 x 89 mm) Heavy-Duty Spring Hinges have 1/4" (6.3 mm) radius corners and are packed one per box. Wood screws and machine screws are included.



### CRL 3-1/2" x 3-1/2" Heavy-Duty Spring Hinge

- 5/8" Radius Corners NEW
- Commercial Grade

These 3-1/2" x 3-1/2" (89 x 89 mm) Heavy-Duty Spring Hinges have 5/8" (16 mm) radius corners and are packed one per box. Wood screws and machine screws are included.



CAT. NO.	FINISH
S35810B	Antique Oiled Bronze
S35826D	Dull Chrome

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing

### CRL 3-1/2" Hinge Fillers

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.

• 1/4" and 5/8" Radius Corners

CAT. NO. S35426D

S3543PB

**S3544** 

CRL 3-1/2" (89 mm) Hinge Fillers have 1/4" or 5/8" (6.3 or 16 mm) radius corners. Packed individually with machine screws and wood screws.

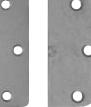


FINISH

**Dull Chrome** 

Dull Brass

Polished Brass



CAT. NO.	RADIUS SIZE	FINISH
F35410B	1/4" (6.3 mm)	Antique Oiled Bronze
F35426D	1/4" (6.3 mm)	Dull Chrome
F35810B	5/8" (16 mm)	Antique Oiled Bronze
F35826D	5/8" (16 mm)	Dull Chrome

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.

### CRL 4" x 4" Heavy-Duty Spring Hinge

- 5/8" Radius Corners
- Commercial Grade

These 4" x 4" (102 x 102 mm) Heavy-Duty Spring Hinges have 5/8" (16 mm) radius corners and are packed one per box. Wood screws and machine screws are included.

CAT. NO.	FINISH
S4810B	Antique Oiled Bronze
S4815	Dull Nickel
S4826	Bright Chrome
S4826D	Dull Chrome

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.



#### CRL 4" x 4" Heavy-Duty Spring Hinge • 1/4" Radius Corners NEW!

#### • Commercial Grade

These 4" x 4" (102 x 102 mm) Heavy-Duty Spring Hinges have 1/4" (6.3 mm) radius corners and are packed one per box. Wood screws and machine screws are included.



CAT. NO.	FINISH
S4410B	Antique Oiled Bronze
S4415	Dull Nickel
S4415A	Antique Nickel
S4426BC	Bright Chrome
S4426D	Dull Chrome
S443	Polished Brass
S444	Dull Brass
S44D	Black

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.

### CRL Heavy-Duty Square Spring Hinge

 Available in Two Sizes

These Heavy-Duty Spring Hinges have square corners and are packed one per box. Wood screws and machine screws are included.



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OAT NO	FINICI	S4510B	Antique Oiled Bronze	
CAT. NO.	FINISH	S4515	Dull Nickel	
S410B	Antique Oiled Bronze	S4526D	Dull Chrome	
S415	Dull Nickel	S454	Dull Brass	
S426D	Dull Chrome	S45D	Black	

NEW

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.



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CAT. NO.

4-1/2" X 4-1/2" (114 X 114 MM)

FINISH

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### CRL-Blumcraft Access Control Handles





A DIVISION OF C.R. LAURENCE CO., INC.

- Access Control Handles With a Large Selection of Exterior Fixed Pulls for Medium and Wide Stile Doors
- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order

CRL-Blumcraft manufactures a complete line of Access Control Handles for all your door needs. We have Panic Devices, Deadbolt Handles, and Electronic Egress Control Handles in a wide variety of configurations. We can also supply you with Dummy Handles to match these devices, allowing you to maintain the same appearance throughout the project, but without the added costs. Visit **crl-arch.com** for more information.









- Sharp Lines and Angles With a Smooth Round Gripping Surface
  - J Surface
- Crisp Transitions at All Corners
- Available in Alloy 316 Brushed or Polished Stainless Steel



Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail from the **crlaurence.com** home page. **NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



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### CRL-Blumcraft PA100 and PA110 Series Panic Handles

- UL, ULC, and ANSI/BHMA Certified
- For 1/2" or 3/4" (12 or 19 mm) Tempered Glass Doors
- Wide Selection of Exterior Fixed Handles

CRL-Blumcraft manufactures a complete line of Panic Handles designed with the 'all-glass' door in mind. These elegant tubular devices give you maximum viewing area and a contemporary look when used on 1/2" or 3/4" (12 or 19 mm) tempered glass doors.

The most popular of these Panics is our PA100 Series. They provide a solution to the strict Americans With Disabilities Act (A.D.A.) Codes that confront every manufacturer and installer of 'all-glass' doors.

The interior portion of the device is a slender 1-1/4" (32 mm) tube stretching across the door and then gently turning upwards to the top of the door, eliminating any interference at the lower half of the door, which must remain clear of obstructions to pass A.D.A. demands.

The operating mechanism is completely concealed within the tube, and retracts a roller latch bolt at the top of the door when pushed gently. Complementing the sleek interior look, we offer a large selection of exterior pull handles that can be as simple as a horizontal handle (Model PA100A) to one that mirrors the interior device (Model PA100D).

All PA100 Series Panic Handles come with a 'dogging' feature that allows you to lock the device in the open position by simply sliding a lever, giving free access during business hours. They also can be used in conjunction with an Electric Strike, allowing for remote keyless entry. For your convenience, Custom Headers are available with all strike hardware installed.



**C.R. LAURENCE COMPANY** 

# BLUMCRAFT.

A DIVISION OF C.R. LAURENCE CO., INC.

- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order
- Custom Sizes Ship Within One to Two Weeks



When A.D.A. Codes are not a concern, we also offer our PA110 Series Panic Handles. These Panics are of the same sleek design as the PA100 Series, except they stretch across the door and then bend downward to the bottom of the door, latching at the floor or threshold.

They operate just like the PA100 Series Panics, and have the same 'dogging' feature. Strikes are available for either threshold or no threshold applications providing secure, accurate latching every time.

All of our PA100 and PA110 Panic Handles go through rigorous testing before they leave our manufacturing facility, ensuring that a high quality, dependable Panic will serve your customer for years to come.

Most importantly, they are all UL305, ULC-S132-07, and ANSI/BHMA A156.3-2008, Grade 1 Certified. No other Panic of this type can make this claim, and that puts CRL-Blumcraft Panic Handles a step ahead of all the rest.

For more information on our PA100 and PA110 Series Panic Handles, contact CRL Technical Sales, or visit our web site at **crlaurence.com**.

#### • Models for Aluminum or Wood Doors Available on Special Order

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Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail from the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Commercial Products. **NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



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### **CRL-Blumcraft PA100 Series Panic Handle Details**



Glass Mount Detail at Latch



Glass Mount Detail at Latch With Header and PK Strike

**Panic Handle Details** 

**CRL-Blumcraft PA110 Series** 



Rail Mount Detail at Latch



Rail Mount Detail at Latch with Header and ESK Strike



JJMCR

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Keyed Access



Retainer Plate



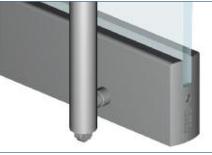


Glass Mount Detail at Latch



Glass Mount Detail at Latch With Floor Mount Ramp Strike

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Rail Mount Detail at Latch



Rail Mount Detail at Latch With Threshold Ramp Strike



**Keyed Access** 



**Retainer Plate** 

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# CRL-Blumcraft DB100 and DB110 Series Deadbolt Handles

- UL Classified
- For 1/2" or 3/4" (12 or 19 mm) Tempered Glass Doors
- Wide Selection of Exterior Fixed Handles







# BLUMCRAFT.

A DIVISION OF C.R. LAURENCE CO., INC.

- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order
- Custom Sizes Ship Within One to Two Weeks

CRL-Blumcraft manufactures a complete line of Deadbolt Handles designed to complement our popular line of Panic Handles. They offer easily accessible locking hardware for 'all-glass' doors in an elegant tubular device, while maximizing your viewing area. Our Deadbolt Handles add a contemporary look to any 1/2" or 3/4" (12 or 19 mm) tempered glass door.

Like our PA100 Series Panics, our DB100 Series Deadbolt Handles provide a solution to the strict Americans With Disabilities Act (A.D.A.) Codes that confront every manufacturer and installer of 'all-glass' doors.

The interior portion of the device is a slender 1-1/4" (32 mm) tube stretching across the door and then gently turning upwards to the top of the door. This eliminates any interference in the lower half of the door, which must remain clear of obstructions to pass A.D.A. demands.

The locking hardware is completely concealed within the tube. The top deadbolt retracts with just a simple turn of a key or thumbturn conveniently located just above the horizontal portion of the handle. To complement the sleek interior look, we offer a variety of exterior pull handles that can be as simple as a horizontal handle (Model DB100A) or one that mirrors the interior device (Model DB100D).

All DB100 Series Deadbolt Handles can be used in conjunction with an Electric Strike, allowing for remote keyless entry. For your convenience, Custom Headers are available with all strike hardware installed.

Where A.D.A. Codes are not a concern, we offer our DB110 Series Deadbolt Handles. These Deadbolts are of the same sleek design as the DB100 Series, except they stretch across the door and then bend downward to the bottom of the door, latching at the floor or threshold.

They operate just like the DB100 Series Deadbolts. Strikes are available for either threshold or no threshold applications, providing secure, accurate engagement of the deadbolt with every closing.

All of our DB100 and DB110 Deadbolt Handles go through rigorous testing before they leave our manufacturing facility, ensuring that a high quality, dependable Deadbolt Handle is installed every time. Most importantly, they are all UL Classified to ANSI A156.16-1997 Standard.

For more information on DB100 and DB110 Series Deadbolt Handles, contact CRL Technical Sales, or visit our web site at **crlaurence.com**.

#### • Models for Aluminum or Wood Doors Available on Special Order

Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail from the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Commercial Products. **NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



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UMC

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### CRL-Blumcraft DB100 Series Deadbolt Handle Details

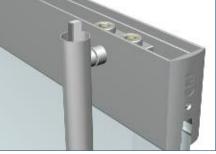


Glass Mount Detail at Latch



Glass Mount Detail at Latch With Header and Hole for Latch

### CRL-Blumcraft DB110 Series Deadbolt Handle Details



Rail Mount Detail at Latch



Rail Mount Detail at Latch With Header and PK Strike



Keyed Access - Cylinder Out / Thumbturn In



Glass Mount Detail at Latch With Header and ESK Strike



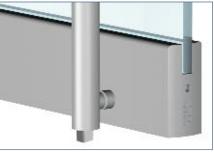


Glass Mount Detail at Latch



Glass Mount Detail at Latch With Threshold Prepped for Latch

crlaurence.com



Rail Mount Detail at Latch



Rail Mount Detail at Latch at Floor With AMR209PS Dustproof Keeper



Keyed Access - Cylinder Out / Cylinder In



Glass Mount Detail at Latch at Floor With 777SP Flat Strike

Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail from the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Commercial Products. **NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



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### CRL-Blumcraft EG100 and EG110 Series Electronic Egress Control Handles

- UL and ULC Recognized Component
- For 1/2" or 3/4" (12 or 19 mm) Tempered Glass Doors
- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze

CRL-Blumcraft EG100 Series Electronic Egress Control Handles are an economical method to control access into, and safe exit from, areas that call for security and still maintain the beauty and view of an 'all-glass' door. These elegant tubular devices give you maximum viewing area and a contemporary look when used on 1/2" or 3/4" (12 or 19 mm) tempered glass doors.

Like our Panic and Deadbolt Handle Line, these Handles also meet the rigid requirements imposed by the A.D.A. Codes on every manufacturer and installer of 'all-glass' doors.

The interior portion of the device is a slender 1-1/4" (32 mm) tube stretching across the door and then gently turning upwards to the top of the door. This eliminates any interference in the lower half of the door, which must remain clear of obstructions to pass A.D.A. demands.

An Electronic Switch is completely concealed within the tube and releases a Magnetic Lock at the top or bottom of the door when gently pushed. To complement the sleek interior look, we offer a variety of exterior pull handles that can be as simple as a horizontal handle (Model EG100A) to one that mirrors the interior device (Model EG100D).

A Magnetic Lock must be ordered separately. Please contact CRL Technical Sales. For your convenience, Custom Headers are available with all lock hardware installed.



CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION OFFICE OF THE STATE FIRE MARSHALL FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM Listing No. 3774-1603:100 U.S. Patent No. 7,347,461

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- Custom Finishes Available By Special Order
- Wide Selection of Exterior Fixed Handles
- Custom Sizes Ship Within One to Two Weeks
- Models for Aluminum or Wood Doors Available on Special Order



If A.D.A. Codes are not a concern, we also have our EG110 Series Electronic Egress Control Handles. These Handles are of the same sleek design and operation as the EG100 Series, except they stretch across the door and then bend downward to the bottom of the door.

All of our EG100 and EG110 Series Electronic Egress Control Handles come equipped with surge suppression ZNR that is compatible with most Shear Locks. However, we suggest that the lock manufacturer be contacted to ensure compatibility with this feature.

All CRL-Blumcraft Electronic Egress Control Handles go through rigorous testing before they leave our manufacturing facility, ensuring that a high quality, dependable product is installed every time. Most importantly, they are all UL and ULC Recognized Components, tested to NFPA Life and Safety Code Standards.

For more information on EG100 and EG110 Series Electronic Access Control Handles, contact CRL Technical Sales, or visit our web site at **crlaurence.com**.



Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail from the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Commercial Products. **NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



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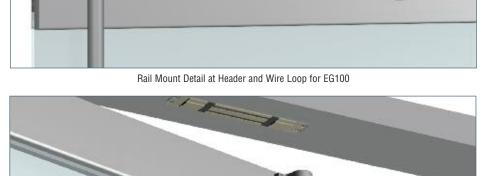
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### CRL-Blumcraft EG100 Series Electronic Egress Control Handle Details



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Retainer Plate

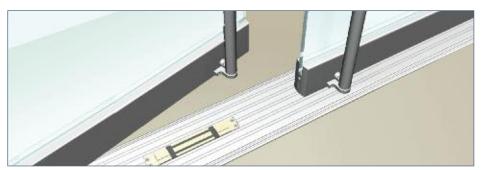
Rail Mount Detail at Top of EG100 With Header and Electromagnetic Shear Lock

### CRL-Blumcraft EG110 Series Electronic Egress Control Handle Details





Rail Mount Detail at Sill/Jamb and Wire Loop for EG110







Rail Mount Detail at Bottom of EG110 With Threshold and Electromagnetic Shear Lock

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Retainer Plate

Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail from the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Commercial Products. **NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



### CRL-Blumcraft Access Control Handle Size Limitations

#### Increased Sizes Make Door Assemblies Heavier and More Flexible. Therefore, the Following Should be Considered:

- Windload, Stack Pressure, and Ventilation Loads
- Mounting Conditions of Doors to Building Structure
- Panic Devices, Deadbolt Locks, or Other Hardware

Top Locking





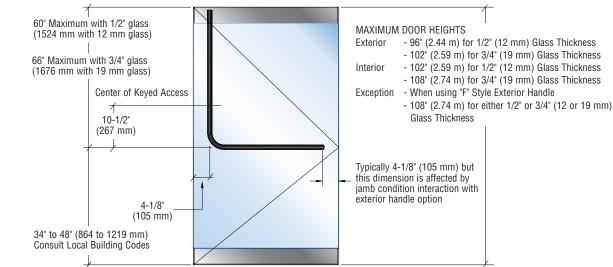
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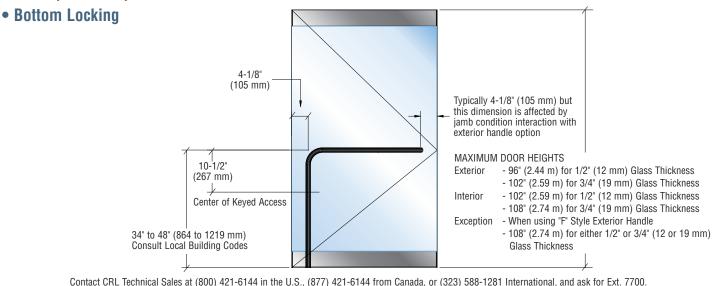
- Overhead or Floor Closer Characteristics
- Heavy Usage and Frequency of Operation
- Comfortable Feel and Ease of Door Operation

The Architect's Structural Engineer Should be Consulted so that the Door Design is Correct for the Intended Use

### PA100, DB100, and EG100 Series Access Control Handles



### PA110, DB110, and EG110 Series Access Control Handles



You can also send e-mail from the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Commercial Products. **NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



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### **Standard Interior Configurations for** CRL-Blumcraft Access Control Handles





PA100. DB100. AND EG100 SERIES

crlaurence.com

EG110 SERIES Available with or without **Keyed Access Device** 



**BDA100 SERIES** 

For Balanced Door Panic Handles see page D406

### Exterior Handle Combinations for Doors with CRL-Blumcraft Access Control Handles

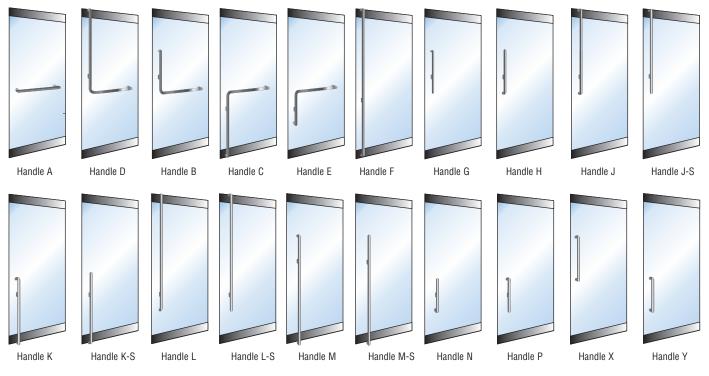




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NOTE: All Exterior Fixed Handles below can be used in combination with any Panic, Deadbolt or Electronic Egress Handle.

Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. You can also send e-mail from the crlaurence.com home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



NOTE: All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



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### CRL-Blumcraft BDA100 Series **Panic Handles for Balanced Doors**

- Specifically Designed for Balanced Doors
- UL, ULC, and ANSI/BHMA Certified
- For 1/2" or 3/4" (12 or 19 mm) Tempered Glass
- Available in Polished and Brushed Stainless. Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order
- Custom Sizes Ship Within One to Two Weeks

CRL-Blumcraft Balanced Door Panic Handles were created to meet the building code requirements for Balanced Doors, while maintaining an excellent appearance. The building code states that the push pad shall not extend more than one-half the width of the door measured from the latch side, and this creates an undesirable appearance.

Our BDA100 Series has a fixed handle portion that extends toward the hinge side of the door, with a clearly defined push pad handle portion at the latch side of the door. This wider handle has greatly improved aesthetics over a handle that only spans one-half of the door's width.

Yet another fine example of C.R. Laurence's commitment to meeting building code requirements, while at the same time delivering the beautiful hardware that our architectural customers demand.

### Exterior Handle Combinations for Balanced Doors with CRL Panic Handles

NOTE: Exterior Fixed Handles shown to the right can be used in combination with our BDA100 Series Panic Handles. For additional Exterior Fixed Handle options, see page D405.



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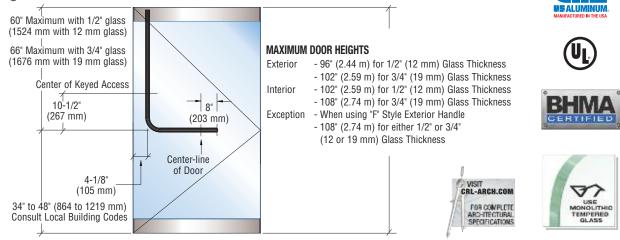
Handle A-BD

Handle D-BD

Handle B-BD

# CRL Balanced Door Panic Handle Size Limitations

#### Top Latching



NEW!

Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail from the crlaurence.com home page. Click on Contact Us, and then click on Technical Sales for Commercial Products. NOTE: All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



# **CRL-BLUMCRAFT ACCESS CONTROL HANDLES**

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# **CRL-Blumcraft Dummy Handles**

- Custom Fabricated to Match All CRL-Blumcraft Panic, Deadbolt or Electronic Egress Control Handle and Exterior Handle Combinations
- For 1/2" or 3/4" (12 or 19 mm) Tempered Glass Doors in Interior and Exterior Applications
- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order
- Stock Finishes Available for Shipment Within Three to Five Business Days

#### P I ORDERING OPTIONS

- When ordering Dummy Handles you must specify:
- Interior Handle Option (see page D405)
- Exterior Handle Option (see page D405)
- Handing (as viewed from the exterior side of the door)
- Rail or Glass Mount
- Glass Thickness
- Finish

**NOTE**: Models for Aluminum or Wood Doors are available on special order.

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When functionality is not required, our Dummy Handles can be made to match any of our Panic, Deadbolt or Electronic Egress Handles, giving you the same appearance throughout your project. C.R. Laurence's experienced Manufacturing Division can also create custom Dummy Handles to meet design demands.

Our Technical Sales Professionals will discuss with you how best to fill your needs. Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail from the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



NOTE: All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



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### **Technical Assistance**

CRL Technical Sales can be reached Monday through Friday from 6:00 am to 5:00 pm Pacific Time. Phone toll free (800) 421-6144 from anywhere in the U.S., (877) 421-6144 from anywhere in Canada, or (323) 588-1281 International, and ask for Ext. 7700.

You can also send e-mail requests for quotes or product information from the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

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# **CRL-BLUMCRAFT ACCESS CONTROL HANDLES**

# **CRL Door Stops and Strikes**

**CRL Header Mount PK Series Stop/Strikes** 

• For Use With PA100 Series Panics and DB100 Series **Deadbolts** 

### **MODEL PK2**

**MODEL PK1** 

These CRL PK Series Stop/Strikes are used to provide a positive stop for the door and a strike or keeper for the Panic or Deadbolt. They can be ordered for use on either single or double doors, and are available in matching architectural finishes. Full selection and application details are available from CRL Technical Sales. Minimum order is one each.

### CRL Header Mount ESK Series Stop/Strikes

 For Use with PA100 Series Panics and DBR100 Series **Deadbolts** 

**MODEL ESK2** 

**MODEL ESK1** 

Our CRL ESK Series Stop/Strikes come with a Folger Adams 310 1-3/4" NFS Electric Strike. It provides a positive stop for the door, and a strike or keeper for the Panic or Deadbolt. ESK Series Stop/Strikes can be ordered for use on either single or double doors. On double door applications you can order prepped for single or double Electric Strikes. When used with pairs of aluminum stiled doors, we offer a custom ESK Stop/Strike that utilizes a unique double-keeper electric strike that accommodates the close center-to-center location of the locking hardware. Minimum order is one each.

### **CRL SDC Hi/Shear® Electromagnetic Mortise Mount Shear Lock**

- 2000 Pounds of Shear Holding Force
- Fully Automatic 12/24V DC Selection
- Lock and Armature are Mortised
- For Additional Electronic Locks and Accessories, See Pages D473-D480

This CRL SDC Hi/Shear® Electromagnetic Mortise Mount Shear Lock is designed for use with single and double metal doors and frames, or glass doors with top rails and metal frames. These compact size Shear Locks are totally concealed locking mechanisms, providing superior security and appearance. Minimum order is one each.

SDC and Hi/Shear are registered trademarks of Security Door Controls.

### CRL Glass Transom Mount PK Series Stop/Strikes

- For 1/2" or 3/4" (12 or 19 mm) **Tempered Glass Transoms**
- For Use With PA100 Series Panics and DB100 Series Deadbolts

CRL PK Series Stop/Strikes for Glass Transoms provide a positive stop for the door, a strike or keeper for the Panic or Deadbolt, and attach to 'all-glass' transom panels. They can be ordered for use on either single or double doors, and are available in several finishes. Minimum order is one each.

### CRL Electric Strike

- For Use With PA100 Series Panics and **DBR100 Series** Deadbolts
- 24V DC **Fail-Secure**
- Used in Conjunction With ESK Series Stop/Strike



CAT. NO. ES3101

**MODEL PK1GT** 

**MODEL PK2GT** 

This Folger Adams 310 1-3/4" NFS Electric Strike is a 24V DC Fail-Secure Strike that unlocks only when energized. They are used in conjunction with an ESK Series Stop/Strike. This Strike has a 3/4" (19 mm) straight latch bolt keeper. A faceplate is not supplied. For application details please contact CRL Technical Sales. Minimum order is one each.





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Warranty UL Listed

# **CRL-BLUMCRAFT ACCESS CONTROL HANDLES**

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### **CRL Access Options CRL Keved Access Device**







**Right Hand** Model Shown

- Available in Several Architectural Finishes
- Custom Finishes Available By Special Order
- Left and Right Handed Models

The Keyed Access Device is used with our PA100 and PA110 Series Panic Handles, as well as our EG100 and EG110 Series Electronic Egress Control Handles to allow keyed access from the exterior of the door. This can be replaced with a Retainer Plate if exterior access is not required. Full selection and application information is available from CRL Technical Sales. MODEL KAD2

### **CRL Floor Strikes CRL Floor Mount Ramp Strike**



- For Use With PA110 **Series Panics**
- Available in Brushed **Stainless Finish**



The Floor Mount Ramp Strike is used with our PA110 Series Panics when there is no threshold under the door. It mounts directly on top of the finished floor. It is available only in brushed stainless steel. Selection and application details are available from CRL Technical Sales. Minimum order is one each.

NOTE: A Floor Mount Ramp Strike cannot be interchanged with a Threshold Mount Ramp Strike. A new Panic Device is required when making this change. CAT. NO. FRS01F

### CRL Flat Strike Plates

crlaurence.com



- For Use With CRL Deadbolt Handles
- Available in Polished and Brushed Stainless, Polished Brass, Clear Anodized, and Duranodic **Bronze Finishes**

CRL Flat Strike Plates can be used with our DB100, DB110, DB130, DB140, DB150, DB160, and DB170 Series Deadbolt Handles to provide a secure and finished strike preparation into the finished floor or head. They are available in architectural finishes to match and complement our access devices. Selection and application details are available from CRL Technical Sales. Minimum order is one each.

# **CRL Retainer Plate Kit**

#### Available in Several Architectural Finishes Custom Finishes Available By Special Order

The Retainer Plate is used with our PA100 and PA110 Series Panic Handles, as well as our EG100 and EG110 Series Electronic Egress Control Handles when no exterior access is required. This can be replaced with a Keyed Access Device to provide access from the exterior. Full selection and application information is available from CRL Technical Sales.

MODEL RPK1

# **CRL** Threshold Mount For Use With PA110 Available in Brushed

The Threshold Mount Ramp Strike is used with our PA110 Series Panics when there is a threshold located below the door. It is available only in brushed stainless steel, and requires some field fabrication by the installer to fit specific application requirements. Selection and application details are available from CRL Technical Sales. Minimum order is one each.

NOTE: A Threshold Mount Ramp Strike cannot be interchanged with a Floor Mount Ramp Strike. A new Panic Device is required when making this change. CAT. NO. TRSP1

### **CRL Dustproof Keepers**

**Ramp Strike** 

Series Panics

Stainless Finish



#### For Use With CRL Deadbolt Handles • Available in Polished Stainless, Brushed Nickel, and Polished Brass Finishes

CRL Dustproof Keepers can be used with our DB100, DB110, DB130, DB140, DB150, DB160, and DB170 Series Deadbolt Handles to provide a secure and finished strike preparation into the finished floor or head. The Dustproof Keeper has a spring-loaded door that closes off the strike hole. eliminating dust and debris build-up. A lockable version is also available to eliminate possible tripping hazards. Selection and application details are available from CRL Technical Sales. Minimum order is one each.



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# **CRL Center Locks**

- Available in Two Sizes: 4" x 10" and 6" x 10"
- Choose From Three Types: Deadlatch, Long Throw Deadlock, and Hook Throw Deadlock
- For Use With 1/2" (12 mm) **Tempered Glass: Custom Sizes** for Other Glass Thicknesses Available on Special Order
- Installs Easily With Bolts; No Messy Silicone or Cement Required
- Available in Five Stock Finishes **Plus Custom Finishes on Special Order**

CRL Center Locks are available in three types: Deadlatch, Long Throw Deadlock, and Hook Throw Deadlock. A variety of pull handles and latch-operating devices (Thumbturns, Keyed Cylinders, Lever Handles, and Paddle Handles) are available to accommodate different requirements.

We carry stock units for immediate shipment, and can fabricate custom units that can be shipped within one week. CRL Offers an easy-to-use ordering menu that takes you through all the required information needed to produce your Center Lock. It can be faxed or e-mailed to you, or accessed at crlaurence.com.

### CRL 4" x 10" Center Lock Glass Keepers

- For Use With 1/2" (12 mm) **Tempered Glass**
- Installs Easily With Bolts; No Silicone or Cement Required
- Non-Handed Stock Models Available in Five Standard **Finishes**
- Custom Sizes for Other Glass **Thicknesses and Custom Finishes Can Be Special Ordered**

CRL 4" x 10" Center Lock Glass Keepers have a Strike Plate with a latch entry ramp on both sides, making them universal for all applications. Available in five attractive finishes for 1/2" (12 mm) heavy glass doors. Glass Keepers With Deadlatch Electric Strikes are available on special order.

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CAT. NO.	HANDING	FINISH
DLK410BS	Non-Handed	Brushed Stainless
DLK410PS	Non-Handed	Polished Stainless
DLK410PB	Non-Handed	Polished Brass
DLK410SC	Non-Handed	Satin Anodized
DLK410DU	Non-Handed	Black Bronze Anodized

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing



Required



### CRL 4" x 10" Center Locks With Deadlatch

- For Use With 1/2" (12 mm) **Tempered Glass**
- Installs Easily With Bolts; No Silicone or Cement Required
- Available in Five Stock Finishes
- Custom Sizes for Other Glass **Thicknesses and Custom Finishes Can Be Special Ordered**



**RH/LHR Shown** 

CRL 4" x 10" Center Locks With Deadlatch come with a Deadlatch that can be dogged in the open position, an 8" (203 mm) Back-to-Back "D" Handle, a Thumbturn on the inside, and a Keyed Cylinder on the outside. The dogging feature is engaged by simply pushing both deadlatch bolts fully into the open position, then engaging the dogging clips by turning either the Keyed Cylinder or Thumbturn until the clips snap in place.

Available in five attractive finishes for 1/2" (12 mm) heavy glass doors. Custom Locks with different accessories are available on special order.

.H/RHR* At. No.	RH/LHR* CAT. NO.	FINISH
L410LBS	DL410RBS	Brushed Stainless
L410LPS	DL410RPS	Polished Stainless
L410LPB	DL410RPB	Polished Brass
L410LSC	DL410RSC	Satin Anodized
L410LDU	DL410RDU	Black Bronze Anodized

Minimum order: 1 each. \*See page D412 for handing chart. All Center Locks and Keepers can be combined for quantity pricing.



Glass Cut-Out Required



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# CRL 4" x 10" Center Locks and Glass Keepers

FINISH

**Brushed Stainless** 

Polished Stainless

Black Bronze Anodized

Polished Brass

Satin Anodized

### **CRL Center Locks With Long** Throw Deadlock

- Non-Handed Stock Models **Available in Five Finishes**
- Installs Easily With Bolts; No **Silicone or Cement Required**
- For Use With 1/2" (12 mm) **Tempered Glass**
- Custom Sizes for 3/8" (10 mm) **Tempered Glass Are Available** on Special Order

4" x 10" Center Locks With Long Throw Deadlock include a DL2110 Long Throw Deadlock, an 8" (203 mm) back-to-back "D" Handle, a Thumbturn on the inside, and a Keyed Cylinder on the outside.

CAT. NO.

**DT410BS** 

**DT410PS** 

DT410PB

DT410SC

**DT410DU** 



Non-Handed



Required

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.

### **CRL Glass Keepers for Center** Locks With Long Throw and Hook Throw Deadlocks

- Non-Handed Stock Models Available in Five Finishes
- Installs Easily With Bolts; No Silicone or Cement Required
- For Use With 1/2" (12 mm) **Tempered Glass**
- Custom Sizes for 3/8" (10 mm) **Tempered Glass Are Available** on Special Order

Non-Handed 4" x 10" Glass Keepers for the 4" x 10" Long Throw and Hook Throw Deadlocks. Available in five finishes for 1/2" (12 mm) heavy glass doors.

CAT. NO.	FINISH
DTK410BS	Brushed Stainless
DTK410PS	Polished Stainless
DTK410PB	Polished Brass
DTK410SC	Satin Anodized
DTK410DU	Black Bronze Anodized

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing



Non-Handed

Glass Cut-Out Required



### **CRL Center Locks** With Hook Throw Deadlock

- Non-Handed Stock Models Available in Five Finishes
- Installs Easily With Bolts; No Silicone or Cement Required
- For Use With 1/2" (12 mm) **Tempered Glass**
- Custom Sizes for 3/8" (10 mm) **Tempered Glass Are Available** on Special Order

4" x 10" Center Locks With Hook Throw Deadlock include a DL2130 Hook Throw Deadlock, an 8" (203 mm) back-to-back "D" Handle, a Thumbturn on the inside, and a Keyed Cylinder on the outside.

FINISH
ed Stainless
ed Stainless
lished Brass
tin Anodized
nze Anodized
h



Non-Handed

## CRL 4" x 10" Center Lock Strikes



- Brushed Stainless Steel
- Dust Box and Back-Up Plate Included
- Non-Handed

CRL 4" x 10" Center Lock Strikes come with all necessary hardware for mounting. A Back-Up Plate is included for use in aluminum tubes, along with a Dust Box. Choose from three sizes for various jamb widths. One per package.

SMALL 1-3/4"	Medium 4"	LARGE 4-1/2"	FINISH
Wide Jamb	Wide Jamb	WIDE JAMB	
Cat. No.	Cat. No.	CAT. NO.	
DL4515	DL4540	DL4545	Brushed Stainless

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Minimum order: 1 each. All Center Locks Strikes can be combined for quantity pricing.



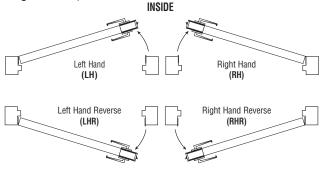
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# CRL 6" x 10" Center Locks With Deadlatch

- Five Different Lock Functions Available; Office, Entrance, Passage, Storeroom, and Classroom
- For 1/2" (12 mm) Tempered Glass: Custom Units for Other Glass Thicknesses on Special Order
- Ships in Under a Week
- Available in Five Finishes
- Hassle Free Installation Without the Mess of Cement or Silicone
- Jamb Mount Strike Plates on Special Order

6" x 10" Center Locks with Deadlatch offer the most diversity in lock function and security. Available in five attractive finishes for 1/2" (12 mm) heavy glass doors. The operation of the lock varies with the lock function. A simple cut-out in the glass is all that is required. No messy cement or silicone required for installing. Center Locks are available left and right handed (see reference diagram below).



OUTSIDE

### CRL 6" x 10" Center Office Lock

With an "Office Lock," the Latchbolt is operated by lever on either side (except when outside lever is locked by rocker in faceplate) or by a key outside. Auxiliary Latchbolt deadlocks the main Latchbolt to prevent jimmying of lock. Turning inside lever will always retract the locking mechanism and allow exiting.



**OFFICE LOCK** 

### CRL 6" x 10" Center Entrance Lock

With an "Entrance Lock," the Latchbolt is operated by lever on either side (except when outside lever is locked by rocker in faceplate). Deadbolt is operated by key outside and thumbturn inside. Inside lever operates Latchbolt and Deadbolt simultaneously to allow exiting. NOTE: Will not work with Electric Strikes.



LHR Shown

|--|



	UMINUM. Red in the USA	Required		
LHR Cat. No.	RHR Cat. No.	FI		
DL611L0BS	DL611R0BS	Brushed Stair		

CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	FINISH
DL610L0BS	DL610R0BS	DL611L0BS	DL611R0BS	Brushed Stainless
DL610L0PS	DL610R0PS	DL611L0PS	DL611R0PS	Polished Stainless
DL610L0PB	DL610R0PB	DL611L0PB	DL611R0PB	Polished Brass
DL610L0SC	DL610R0SC	DL611L0SC	DL611R0SC	Satin Anodized
DL610L0DU	DL610R0DU	DL611L0DU	DL611R0DU	Black Bronze Anodized

Minimum order: 1 each, All Center Locks and Keepers can be combined for quantity pricing



FINISH

#### ENTRANCE LOCK (WILL NOT WORK WITH ELECTRIC STRIKE) LHR Cat. NO. LH Cat. No. RHR CAT. NO. RH CAT. NO. DL610LEBS **DL610REBS** DL611LEBS DL611REBS **Brushed Stainless DL610LEPS DL610REPS** DL611LEPS DL611REPS Polished Stainless DL610REPB DL611REPB Polished Brass DL610LEPB DL611LEPB DL610LESC DL610RESC **DI 611I FSC** DL611RESC Satin Anodized DL610LEDU DL610REDU DL611LEDU DL611REDU Black Bronze Anodized

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing



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PASSAGE LOCK

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### CRL 6" x 10" Center Passage Lock

With a "Passage Lock," the levers are always operable, allowing the Latchbolt to be retracted at all times.



,	LH Cat. No.	RH Cat. No.	LHR Cat. No.	RHR Cat. No.	FINISH
	DL610LPBS	DL610RPBS	DL611LPBS	DL611RPBS	Brushed Stainless
-	DL610LPPS	DL610RPPS	DL611LPPS	DL611RPPS	Polished Stainless
	DL610LPPB	DL610RPPB	DL611LPPB	DL611RPPB	Polished Brass
	DL610LPSC	DL610RPSC	DL611LPSC	DL611RPSC	Satin Anodized
	DL610LPDU	DL610RPDU	DL611LPDU	DL611RPDU	Black Bronze Anodized
Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.					

### CBL 6" x 10" Center Storeroom Lock

With a "Storeroom Lock," the Latchbolt is operated by lever inside, and by key outside. The outside lever is always fixed. Auxiliary Latchbolt deadlocks the main Latchbolt to prevent jimmying of lock. Turning inside lever will always retract the locking mechanism to allow exiting. LH This lock is used primarily with Sh Electric Strikes.

B	STOREROOM LC	STOREROOM LOCK			MANUFACTURED IN THE USA
ain [	LH Cat. No.	RH Cat. No.	LHR Cat. No.	RHR Cat. No.	FINISH
	DL610LSBS	DL610RSBS	DL611LSBS	DL611RSBS	Brushed Stainless
the -	DL610LSPS	DL610RSPS	DL611LSPS	DL611RSPS	Polished Stainless
	DL610LSPB	DL610RSPB	DL611LSPB	DL611RSPB	Polished Brass
	DL610LSSC	DL610RSSC	DL611LSSC	DL611RSSC	Satin Anodized
HR hown	DL610LSDU	DL610RSDU	DL611LSDU	DL611RSDU	Black Bronze Anodized
	Minimum order: 1 each	. All Center Locks and Keepers	s can be combined for quantit	tv pricina.	

### CRL 6" x 10" Center Class

With a "Classroom Lock," the Latchbolt is operated by lever on either side, except when outside lever is locked by key outside. Key operates latch or unlocks outside lever. Inside lever is always operable.



				, p	
sroom L	ock				
	CLASSROOM LO	СК			MANUFACTURED IN THE USA
	LH Cat. No.	RH Cat. No.	LHR Cat. No.	RHR Cat. No.	FINISH
and the second	DL610LMBS DL610LMPS DL610LMPB	DL610RMBS DL610RMPS DL610RMPB	DL611LMBS DL611LMPS DL611LMPB	DL611RMBS DL611RMPS DL611RMPB	Brushed Stainless Polished Stainless Polished Brass

DL610RMPS	DL611LMPS	DL611RMPS	Polished Stainless
DL610RMPB	DL611LMPB	DL611RMPB	Polished Brass
DL610RMSC	DL611LMSC	DL611RMSC	Satin Anodized
DL610RMDU	DL611LMDU	DL611RMDU	Black Bronze Anodized

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.

### CRL 6" x 10" Center Push Button Locks and Glass Keepers

- Requires No Electrical Connections
- Complies With A.D.A. Standards
- Five Finishes Available

GLASS CRL Push Button Lock and Glass Keeper assemblies require no electrical connections so the mounting is exactly the same as our other 6" x 10" Center Locks. On the exterior side of the door is a Keypad with five vertical push buttons, numbered in sequential order from top to bottom. On the interior side there is a lever, which operates the Latchbolt at all times.

The lock complies with A.D.A. standards and is ideal for high frequency use in hospitals, entrances to commercial and industrial buildings, apartments, condominiums, schools, etc.

The Center Lock Glass Keeper (sold separately), is specially machined to accept the strike from the Push Button Lock. If a Center Lock Glass Keeper is not required, a Strike Plate for the jamb is supplied with the Push Button Lock assembly.

#### **PUSH BUTTON LOCKS\***

LH	RH	LHR	RHR	
CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	FINISH
DL610LCBS	DL610RCBS	DL611LCBS	DL611RCBS	Brushed Stainless
DL610LCPS	DL610RCPS	DL611LCPS	DL611RCPS	Polished Stainless
DL610LCPB	DL610RCPB	DL611LCPB	DL611RCPB	Polished Brass
DL610LCSC	DL610RCSC	DL611LCSC	DL611RCSC	Satin Anodized
DL610LCDU	DL610RCDU	DL611LCDU	DL611RCDU	Black Bronze Anodized

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing

Black Bronze Cover Plate with Satin Andized Lock and Lever
 \* Push Button Lock and Glass Keeper are sold separately.



DL610LMSC

DL610LMDU



#### **CENTER LOCK GLASS KEEPERS\***

LH	RH	
CAT. NO.	CAT. NO.	FINISH
DLK610LCBS	DLK610RCBS	Brushed Stainless
DLK610LCPS	DLK610RCPS	Polished Stainless
DLK610LCPB	DLK610RCPB	Polished Brass
DLK610LCSC	DLK610RCSC	Satin Anodized
DLK610LCDU	DLK610RCDU	Black Bronze Anodized

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing \* Push Button Lock and Glass Keeper are sold separately



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### CRL 4" x 10" Center Lock Glass Keepers With Deadlatch Electric Strike

- Accepts 1/2" (12 mm) **Tempered Glass**
- Use With 4" x 10" **Center Locks Only**
- Available in Five Finishes

4" x 10" Center Lock Glass Keepers with 12V DC ST125 Series Deadlatch Electric Strikes are handed to match the appropriate Center Lock. To simplify ordering use the same handing as the lock. That way you match the Glass Keeper with Deadlatch Electric Strike to Center Lock handing, which eliminates confusion. These units are special order and can be shipped within one week. For more information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700.



**RH/LHR Shown** 



Required

LH/RHR* Cat. No.	RH/LHR* Cat. No.	FINISH	
DLEL410BS	DLER410BS	Brushed Stainless	
DLEL410PS	DLER410PS	Polished Stainless	
DLEL410PB	DLER410PB	Polished Brass	
DLEL410SC	DLER410SC	Satin Anodized	
DLEL410DU	DLER410DU	Black Bronze Anodized	
Minimum order: 1 each.	*See page D412 for handing ch	art. All Center Locks and Keepers can	Glass Cut-Out

Minimum order: 1 each. \*See page D412 for handing chart. All Center Locks and Keepers can be combined for quantity pricing. Extra gaskets available on special order for use with 3/8 (10 mm) glass.

# CRL 6" x 10" Center Lock Glass Keepers

 Installs Easily With Bolts; No Silicone or Cement Required

Available in Five

**Popular Finishes** 



#### For 1/2" (12 mm) Tempered Glass

6" x 10" Center Lock Glass Keepers have a strike plate with a latch entry ramp on both sides, making them universal for all applications. Available in five attractive finishes for 1/2" (12 mm) tempered glass doors. For more information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also e-mail us through our web site at crlaurence.com. From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

ENTRANCE Lock* Cat. No.	FOR OTHER Locks Cat. No.	FINISH
DLK610EBS	DLK610BS	Brushed Stainless
DLK610EPS	DLK610PS	Polished Stainless
DLK610EPB	DLK610PB	Polished Brass
DLK610ESC	DLK610SC	Satin Anodized
DLK610EDU	DLK610DU	Black Bronze Anodized

pricing. \*Used only with Entrance Locks



ss Cut-Out Required

Non-Handed

### CRL 6" x 10" Center Lock Glass Keepers With Deadlatch Electric Strike

- Accepts 1/2" (12 mm) **Tempered Glass**
- Use With 6" x 10"
  - **Center Locks Only**
- Available in Five Finishes

6" x 10" Center Lock Glass Keepers with 24V DC 7160510 Series Deadlatch Electric Strikes are handed to match the appropriate Center Lock. To simplify ordering use the same handing as the lock. That way you match the Glass Keeper with Deadlatch Electric Strike to Center Lock handing, which eliminates confusion. NOTE: Will not work with Entrance Lock configuration. These units are special order and can be shipped within one week. Please contact Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700.



**RH/LHR Shown** 



Required

LH/RHR*	RH/LHR*		
CAT. NO.	CAT. NO.	FINISH	1000
DLEL610BS	DLER610BS	Brushed Stainless	0.000
DLEL610PS	DLER610PS	Polished Stainless	6 million (1997)
DLEL610PB	DLER610PB	Polished Brass	
DLEL610SC	DLER610SC	Satin Anodized	
DLEL610DU	DLER610DU	Black Bronze Anodized	
Minimum order: 1 each.	*See page D412 for handing chart.	All Center Locks and Keepers can	Glass Cut-Out

be combined for quantity pricing. Extra gaskets available on special order for use with 3/8" (10 mm) glass

### CRL 6" x 10" Center Lock Strikes Available to Fit Four Different Jamb Sizes

#### Dust Box and Back-Up Plate Included

- Left and Right Handed Models
- Brushed Stainless Steel

CRL 6" x 10" Center Lock Strikes come with all the necessary hardware for mounting. A Back-Up Plate is included for use in aluminum tubes, along with a Dust Box. Choose from two models and four different jamb widths.



#### FOR OFFICE, PASSAGE, STOREBOOM, AND CLASSBOOM CENTER LOCKS

TON OFFICE, TASSAGE, STONEHOOM, AND CLASSICOM CENTER LOOKS						
LH/RHR* Cat. No.	RH/LHR* CAT. NO.	FITS JAMB SIZE				
DLL6515	DLR6515	1-3/4" (45 mm)				
DLL6540	DLR6540	4" (102 mm)				
DLL6545	DLR6545	4-1/2" (114 mm)				
DLL6560	DLR6560	6" (152 mm)				
FOR ENTRANCE CENTER LOCKS (DEADBOLT)						
LH/RHR*	RH/LHR*	FITS				
CAT. NO.	CAT. NO.	JAMB SIZE				
DLL6615	DLR6615	1-3/4" (45 mm)				
DLL6640	DLR6640	4" (102 mm)				
DLL6645	DLR6645	4-1/2" (114 mm)				
DLL6660	DLR6660	6" (152 mm)				
Minimum order: 1 each. *See page D412 for handing chart. All Strikes can be combined for quantity pricing.						



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### **CRL Low Profile Center Locks and Glass Keepers**

- Small Size Complements Our Low Profile Door Rail Line
- For 3/8" (10 mm) or 1/2" (12 mm) Tempered Glass
- Available in Five Standard Architectural Finishes
- Custom Finishes and Anti-Microbial Powder **Coatings Available**
- Hassle Free Installation Without the Mess of **Cement or Silicone**
- Jamb Mount Strike Plate Provided With Lock
- Uses Our Standard Thumbturns and Keyed Cylinders (See page D494)

Low Profile Center Locks and Glass Keepers offer the diversity of having a secure lock in a small package that complements our Low Profile Door Rails. Available in five attractive finishes that match our entire Door Rail line for both 3/8" (10 mm) and 1/2" (12 mm) heavy glass doors. This Lock is located at a comfortable height above the floor, eliminating the need to bend down to lock or unlock the door. A simple cut-out in the glass is all that is required. No messy cement or silicone required for installing.

NOTE: When used on a pair of doors, one door must have a rail lock engaging into the floor for maximum security.

### CRL Low Profile Center Lock

- Small Size Complements Our Low Profile Door Rail Line
- Uses Our Standard Thumbturns and Keyed Cylinders
- Non-Handed

The 2-3/4" x 5-5/8" (70 x 143 mm) Low Profile Center Lock looks great when used with our Low Profile Door Rails. The sleek housing uses our standard thumbturns and keyed cylinders in any combination (ordered separately, see page D494). Fits both 3/8" (10 mm) and 1/2" (12 mm) thick tempered glass. Includes a 777SP Series Fixed Jamb Strike Plate. For locking to a glass sidelite, a Glass Keeper must be ordered separately (see below).

## **CRL Low Profile Glass Keeper**

- Small Size Complements Our Low Profile Door Rail Line
- Works With Low Profile Center Lock (See Above)
- Non-Handed

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These 1-3/4" x 5-5/8" (45 x 143 mm) Low Profile Glass Keepers are for use on glass panels adjacent to swinging doors using our DT36 Series Low Profile Center Locks (see above). Fits both 3/8" (10 mm) and 1/2" (12 mm) thick tempered glass.

CAT. NO.	FINISH
DTK36SA	Satin Anodized
DTK36DU	Black Bronze Anodized
DTK36BS	Brushed Stainless
DTK36PS	Polished Stainless
DTK36PB	Polished Brass

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.



Glass Cut-Out Required





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CAT. NO.

DT36SA

DT36DU

DT36BS

DT36PS

DT36PB

**C.R. LAURENCE COMPANY** 

# **CRL Lever Lock Housing**

- Low Profile Body Design for Use With 3/8" or 1/2" (10 or 12 mm) Glass
- Supplied With ANSI A156.2 Grade 1 or Grade 2 Lever Lock
- Non-Handed and Reversible
- Five Architectural Finishes Available

#### Four Function Options

CRL's new L ever Lockset for 3/ vailable with either a See page D491 fc 1

w Lever Lock Housings are easy to install and come complete with Housing and Le
3/8" or 1/2" (10 or 12 mm) thick glass. The Entrance and Storeroom models are av
Schlage 'C' 6-Pin keyway or a 7-Pin Small Format Interchangeable Cores (SFIC).
or additional information. An ANSI 1-1/4" x 4-7/8" (32 x 124 mm) Strike is included

INTERIOR	EXTERIOR	ANSI NUMBER	DESCRIPTION
		<b>Entrance</b> F 109	Pushing inside button locks outside trim, requiring key to unlock. Pushing and twisting button locks outside lever and always requires a key to unlatch. Inside lever always allows free egress.
		<b>Storeroom</b> F 86	Outside lever always locked. Key unlatches only. Inside lever always allows free egress.
		<b>Passage</b> F 75	Both levers are always free.
(ji)		<b>Privacy</b> F 76	Push button locking from inside. Lock can be opened from outside with narrow flat head screwdriver or by rotating inside lever.

Glass Fabrication is required. Installation Instructions and

Fabrication Template Included.

### **CRL Cylindrical Lever Lock Code Compliances**



 C-UBC California Amended Uniform Builders Code – 2001 NFPA-80 National Fire Protection - 1999

NFPA101 National Fire Protection - Life Safety - 2000

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SU 🛃 EXIT

#### ANSI A117.1 and A.D.A. for Barrier-Free Accessibility

See pages D482 to D484 for additional information, or contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. You can also e-mail us through our web site at crlaurence.com. From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

#### **CRL Lever Lock Housing – Entrance** CDARE 1

GRADE I			GRADE Z			
SCHLAGE 6-PIN Cat. No.	7-PIN SFIC Cat. No.	FINISH	SCHLAGE 6-PIN Cat. No.	7-PIN SFIC Cat. No.	FINISH	
LH50SA LH50PS LH50BS LH50PB LH50DU	LH52SA LH52PS LH52BS LH52PB LH52DU	Satin Anodized Polished Stainless Steel Brushed Stainless Steel Polished Brass Black Bronze Anodized	LH55SA LH55PS LH55BS LH55PB LH55DU	LH57SA LH57PS LH57BS LH57PB LH57DU	Satin Anodized Polished Stainless Steel Brushed Stainless Steel Polished Brass Black Bronze Anodized	
Minimum order: 1 each. All Lever Locksets can be combined for quantity pricing.			Minimum order: 1 each. A	All Lever Locksets ca	n be combined for quantity pricing.	

mbined for quantity pricing



#### CRL Lever Lock Housing – Storeroom GRADE 1 GRADE 2

LH70DU	LH72DU	Black Bronze Anodized	LH75DU	LH77DU	Black Bronze Anodized
LH70PB	LH72PB	Polished Brass	LH75PB	LH77PB	Polished Brass
LH70BS	LH72BS	Brushed Stainless Steel	LH75BS	LH77BS	Brushed Stainless Stee
LH70PS	LH72PS	Polished Stainless Steel	LH75PS	LH77PS	Polished Stainless Stee
LH70SA	LH72SA	Satin Anodized	LH75SA	LH77SA	Satin Anodized
SCHLAGE 6-PIN Cat. No.	7-PIN SFIC Cat. No.	FINISH	SCHLAGE 6-PIN CAT. NO.	7-PIN SFIC Cat. No.	FINISH

Minimum order: 1 each. All Lever Locksets can be combined for quantity pricing



Minimum order: 1 each. All Lever Locksets can be combined for quantity pricing.



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### **CRL Lever Lock Housing - Passage**

GRADE 1		GRADE 2	
CAT. NO.	FINISH	CAT. NO.	FINISH
LH10SA	Satin Anodized	LH15SA	Satin Anodized
LH10PS	Polished Stainless Steel	LH15PS	Polished Stainless Steel
LH10BS	Brushed Stainless Steel	LH15BS	Brushed Stainless Steel
LH10PB	Polished Brass	LH15PB	Polished Brass
LH10DU	Black Bronze Anodized	LH15DU	Black Bronze Anodized
Minimum order: 1 each. All Lever Locksets can be combined for quantity pricing.		Minimum order: 1 each. All I	Lever Locksets can be combined for quantity pricing.

### **CRL Lever Lock Housing - Privacy**

GRADE 1		GRADE 2
CAT. NO.	FINISH	CAT. NO.
LH40SA	Satin Anodized	LH45SA
LH40PS	Polished Stainless Steel	LH45PS
LH40BS	Brushed Stainless Steel	LH45BS
LH40PB	Polished Brass	LH45PB
LH40DU	Black Bronze Anodized	LH45DU
Minimum order: 1 each. All Le	ver Locksets can be combined for quantity pricing.	Minimum ord

CAT. NO.	FINISH	
LH45SA	Satin Anodized	
LH45PS	Polished Stainless Steel	
LH45BS	Brushed Stainless Steel	
LH45PB	Polished Brass	
LH45DU	Black Bronze Anodized	
Minimum order: 1 each. All Lever Locksets can be combined for quantity pricing.		



### CRL Lever Lock Glass Keepers

- For Use With 1/2" (12 mm) Tempered Glass
- Five Architectural Finishes Available
- Installs Easily With Bolts: No Silicone or Cement Needed These Glass Keepers are for use on glass panels adjacent

to swinging doors using our Lever Lock Housings. They are non-handed and reversible.

NOTE: Glass cut-out is required. When used in a double door application, the door with this Glass Keeper must be secured with a lock at the bottom of the door.

CAT. NO.	FINISH
LHK1SA	Satin Anodized
LHK1PS	Polished Stainless Steel
LHK1BS	Brushed Stainless Steel
LHK1PB	Polished Brass
LHK1DU	Black Bronze Anodized

Minimum order: 1 each. All Lever Lock Glass Keepers can be combined for quantity pricing.

### **CRL Lever Lock Glass Keepers With Electric Strike**

#### • For Use With 1/2" (12 mm) Tempered Glass

#### Five Architectural Finishes Available

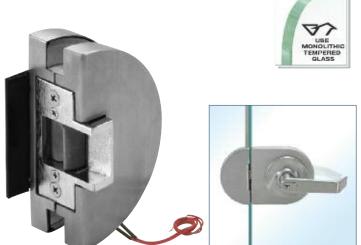
These Glass Keepers with Electric Strikes are special ordered and can ship within one week. The electric strike is 12V or 24V AC or DC with fail safe or fail secure options. They are non-handed and reversible.

NOTE: Glass cut-out is required. When used in a double door application, the door with this Glass Keeper must be secured with a lock at the bottom of the door.

FAIL SAFE Cat. No.	FAIL SECURE CAT. NO.	FINISH
LHE1SA	LHE2SA	Satin Anodized
LHE1PS	LHE2PS	Polished Stainless Steel
LHE1BS	LHE2BS	Brushed Stainless Steel
LHE1PB	LHE2PB	Polished Brass
LHE1DU	LHE2DU	Black Bronze Anodized

Minimum order: 1 each. All Lever Lock Glass Keepers can be combined for quantity pricing

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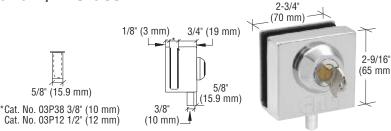


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**US** ALUMINUM

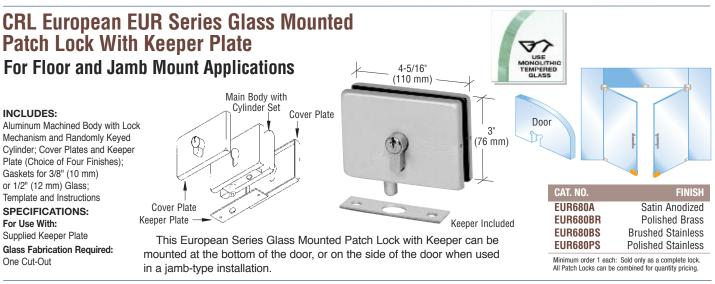
# CRL Deluxe Slip-On Plunger Lock for 3/8" and 1/2" Glass



#### No Glass Fabrication Required

This CRL Deluxe Slip-On Plunger Lock is designed for 3/8" and 1/2" (10 and 12 mm) glass, and can be installed without drilling or notching the glass. In the locked position, the plunger recesses into a spring-loaded receptacle, which is mounted into the floor. The Lock comes complete with a finished Keeper and set of three keys.

CAT. NO.	GLASS THICKNESS	KEYED	FINISH
03P38 03P12	3/8" (10 mm) 1/2" (12 mm)	Randomly Randomly	Chrome Chrome
Minimum order: 1	each. All Patch Locks can be combined	for quantity pricing.	



### CRL European EUR Series Center Housed Patch Lock and Keeper For Glass-to-Glass Mount Applications

PATCH LOCK INCLUDES: Aluminum Machined Body with Lock Mechanism and Randomly Keyed Cylind Cover Plates (Choice of Four Finishes); Gaskets for 3/8" (10 mm) or 1/2" (12 mm) Glass; Template and Instructions SPECIFICATIONS: For Use With: EUR682 Center Housed Keeper (Order Separately)	der; 4-5/16" (110 mm)	3" (76 mm) 4-5/16" (110 mm)	Door or Fixed Panel		
Glass Fabrication Required: One Cut-Out					
GLASS MOUNTED KEEPER INCLUDES: Aluminum Machined Body with Keeper H Cover Plates (Choice of Four Finishes); Gaskets for 3/8" (10 mm) or 1/2" (12 mm) Glass; Template and Instructions SPECIFICATIONS: For Use With: EUR681 European Center Housed Patch Lock (Order Separately) Glass Fabrication Required: One Cut-Out NOTE: An additional Lock is required at the bottom of one door in double	Patch Lock Lock Main Body with Cylinder Set For a constraint of the constraint of	ss-to-glass type applications. The	Lock	CAT. NO. EUR681A EUR681BR EUR681BS EUR681PS Minimum order 1 each combined for quantity GLASS MOUNT CAT. NO. EUR682A EUR682BR EUR682BS EUR682PS	TED PATCH LOCK FINISH Satin Anodized Polished Brass Brushed Stainless Polished Stainless at AIP Patch Locks can be pricing. TED PATCH KEEPER FINISH Satin Anodized Polished Brass Brushed Stainless Polished Stainless Polished Stainless
door installations.	panel. Patch Lock and Keeper must be	e ordered separately.		combined for quantity	

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Typical Lock Positions

### CRL Deluxe Patch Lock for 3/8" and 1/2" Glass

#### Does Not Require Glass Fabrication

This CRL Deluxe Patch Lock slips onto 3/8" or 1/2" (10 or 12 mm) glass and affords ease of installation, removal and security, without the necessity of a permanent patch lock. Lock is accessed from one side only by keyed cylinder. Removal of Lock during business hours provides a visually aesthetic frameless appearance. Easy slip-on feature means no glass fabrication is required. Lock is provided with three keys, keyed randomly.

CAT. NO.	GLASS THICKNESS	KEYED	FINISH
01P38	3/8" (10 mm)	Randomly	Chrome
01P12	1/2" (12 mm)	Randomly	Chrome

Minimum order: 1 each. All Patch Locks can be combined for quantity pricing.



There is no need to put a hole in the glass or have any additional work done. Simply remove the cover plate and slide the double gasketed portion onto the fixed panel. The ribbed rubber lining creates suction, holding the lock firmly to the glass.

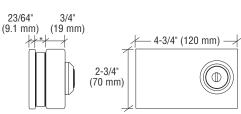


Close the second leaf or panel of the door. Put the second piece of the lock on. Make the bolt slide by using the key so that the lock fits perfectly and closes tightly.



Measures: 4-3/4" (120 mm) Wide x 2-3/4" (70 mm) High

With the CRL Deluxe Patch Lock you will have absolute safety when locking up. It is extremely easy to install anywhere along the door, even if it's a two or three leaf glass door.



\*Cat. No. 01P38 3/8" (10 mm) Cat. No. 01P12 1/2" (12 mm)

SPECIFICATIONS:

For Use With: 3/8" (10 mm) or 1/2" (12 mm) Glass Doors No Glass Fabrication Required Recommended Gap Between Panels: 3/16" (5 mm)

Typical Lock Positions

### CRL Glass Mounted Slip-On Patch Lock for 3/8" and 1/2" Glass

#### INCLUDES:

Lock Housing (Brass or Chrome Finish); Three Keys; Gaskets and Instructions SPECIFICATIONS: For Use With: 3/8" (10 mm) or 1/2" (12 mm) Glass Doors No Glass Fabrication Required Recommended Gap Between Panels: 3/16" (5 mm)

The Glass Mounted Slip-On Patch Lock affords ease of installation, removal and security without the necessity of a permanent patch lock. This lock can be used as a primary lock, and also in conjunction with a floor lock for extra security. Lock is accessed from one side only by keyed cylinder. Removal of lock during business hours provides a visually aesthetic frameless appearance. Easy slip-on feature means glass fabrication is not required. Lock is provided with three keys. Blank keys are available, and can be cut by a locksmith to match existing keys.

Remove it in the morning, put it back on in moments at night for absolute safety.



There is no need to put a hole in the glass or have any additional work done. Simply remove the cover plate and slide the double gasketed portion onto the fixed panel. The ribbed rubber lining creates suction, holding the lock firmly to the glass.



Close the second leaf or panel of the door. Put the second piece of the lock on. Make the bolt slide by using the key so



With the CRL Slip-On Lock you will have absolute safety when locking up. It is extremely easy to install anywhere along the door, even if it's a two or three leaf glass door.

GI ASS	MOUNTED	SLIP-0	Ν ΡΑΤCΗ Ι	OCK

CAT. NO.	GLASS THICKNESS	FINISH		
1NT685BR	3/8" (10 mm)	Brass		
1NT685CH	3/8" (10 mm)	Chrome		
1NT686BR	1/2" (12 mm)	Brass		
1NT686CH	1/2" (12 mm)	Chrome		
Minimum order: 1 each. All Patch Locks can be combined for quantity pricing.				

D419

#### **REPLACEMENT KEYS**

CAT. NO.	
SL1PKEY	Blank Key



DESCRIPTION

for Slip-On Lock

that the lock fits perfectly and closes tightly. S Minimum order: 1 each



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Measures:

5-1/2" (139 mm) Wide x 3-1/4" (82 mm) High

#### For Pricing Visit crlaurence.com or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

#### **GLASS FABRICATION REQUIRED:** Two 1-3/4" (45 mm) Holes

#### COMES WITH:

2-7/8

(73 mm)

ES3 and ES4 Series Cylinder/Thumbturn with 3 keys each, Template and Instructions



CAT. NO.	FINISH
PTH311A	Clear Anodized
PTH311BR	Polished Brass
PTH311BS	Brushed Stainless
PTH311PS	Polished Stainless
Minimum order: 1 each.	All PTH Series Patch Fittings

can be combined for quantity pricing.

6-7/8 Works on Single or Double Doors (174 mm) • For 3/8" or 1/2" (10 or 12 mm) Glass • Field Reversible DOUBLE DOORS NOTE: When used on door-to-door \_\_\_\_) PTH314 Lever Handles Not Included PTH311 applications, the door with the keeper (See page 259H) should be secured in place with a lock at the bottom of the door. The PTH311 comes assembled for use with the EC4 Keyed Cylinder on all outswing doors and on

MATERIAL

Raw Zinc

inswing doors without a PTH314 Glass Mounted Latch Keeper. When used on inswing doors with PTH314, the EC3 Extended Length Keyed Cylinder must be used.

### **CRL Locking Latch Mechanism**

CRL Glass Mounted Latch

#### Works With PTH311 Series Lever Latches

#### Reversible to Meet All Applications

The PTH300L Latch Mechanism is a replacement latch for the PTH311 Glass Mounted Latch shown above. It is reversible for both handle lifting springs and latch bolt configurations.

	6" (152 mm)	
		2-3/8" (60 mm)
000		

Minimum order: 1 each.

CAT. NO.

PTH300L

SINGLE

PTH311

### **CRL Glass Mounted Passage Latch**

- Works on Single or **Double Doors**
- For 3/8" or 1/2" (10 or 12 mm) Glass



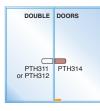


Lever Handles Not Included (See page D421)

NOTE: When used on door-todoor applications, the door with the keeper should be secured in place with a lock at the bottom of the door.

### **CRL Glass Mounted Latch Keeper**

 Works With Either Latch Above on Double Doors



NOTE: When used on door-to-door applications, the door with the keeper should be secured in place with a lock at the bottom of the door.



**GLASS FABRICATION REQUIRED:** Two 1-3/4" (45 mm) Holes

COMES WITH: Template and Instructions



i mion
Clear Anodized
Polished Brass
Brushed Stainless
Polished Stainless

Minimum order: 1 each. All PTH Series Patch Fittings can be combined for quantity pricing.

**GLASS FABRICATION REQUIRED:** Two 1-3/4" (45 mm) Holes

COMES WITH:

PTH

PTH

PTH

PTH

Template and Instructions

CAT. NO.	FINISH
PTH314A	Clear Anodized
PTH314BR	Polished Brass
PTH314BS	Brushed Stainless
PTH314PS	Polished Stainless

Minimum order: 1 each. All PTH Series Patch Fittings can be combined for quantity pricing



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### **CRL Sculptured Style Lever Handles**



### **CRL Tubular Style Lever Handles**



### **CRL Modern Style Lever Handles**



### **CRL Extended Length Keyed Cylinders**

- Works on PTH311 Series Lever Latch Installation and Euro Style Patch Locks EUR205, EUR680, and EUR681
- Available in Cylinder/Thumbturn and Cylinder/Cylinder

These Extended Length Cylinders work on a PTH311 Series Lever Latch installation in conjunction with a PTH314 Glass Mounted Latch Keeper on an inswing door. Available keyed randomly or alike.



EC3 Cylinder/Thumbturn

KEYED RANDOMLY KEYED ALIKE CAT. NO. CAT. NO. FINISH TYPE EC3BR EC3BRKA Cylinder/Thumbturn Polished Brass EC3BS Cylinder/Thumbturn Brushed Stainless EC3BSKA Cylinder/Thumbturn **Polished Stainless** EC3PS EC3PSKA EC5BR EC5BRKA Cylinder/Cylinder Polished Brass Cylinder/Cylinder **Brushed Stainless** EC5BS EC5BSKA **Polished Stainless** EC5PS EC5PSKA Cylinder/Cylinder

Minimum order: 1 each. All Cylinders/Thumbturns can be combined for quantity pricing.

#### Available in Three Finishes

#### FOR USE WITH:

PTH311 and PTH312 Glass Mounted Latch Mechanisms **INCLUDES:** Hex Wrench

CAT. NO.	FINISH
PTH303BR	Polished Brass
PTH303BS	Brushed Stainless
PTH303PS	Polished Stainless

Minimum order: 1 set. All Patch Handles can be combined for quantity pricing

#### Available in Four Finishes

#### FOR USE WITH:

PTH311 and PTH312 Glass Mounted Latch Mechanisms **INCLUDES:** Hex Wrench

CAT. NO.	FINISH
PTH302A	Satin Anodized
PTH302BR	Polished Brass
PTH302BS	Brushed Stainless
PTH302PS	Polished Stainless

Minimum order: 1 set All Patch Handles can be combined for quantity pricing

#### Available in Three Finishes

#### FOR USE WITH:

PTH311 and PTH312 Glass Mounted Latch Mechanisms INCLUDES: Hex Wrench

CAT. NO.	FINISH
PTH306BR PTH306BS PTH306PS	Polished Brass Brushed Stainless Polished Stainless
Minimum order: 1 set. All Patch Handles can be combined for quantity pricing.	

### **CRL Standard Length Keyed** Cylinder With Thumbturn

- Designed to Work in Most PTH311 Series Lever Latch Installations
- Available in Four Finishes

This Standard Length Key Cvlinder/Thumbturn works with all PTH311 Series Latches. except when the latch is used with a PTH314 Series Glass Mounted Latch Keeper on an inswing door. This requires the EC3 or EC5 Series Extended Length Cylinders at the left. The EC4 Series is only available keyed randomly.



Includes 3 Keys and Screw

CAT. NO.	FINISH
EC4A	Matte Chrome
EC4BR	Polished Brass
EC4BS	Brushed Stainless
EC4PS	Polished Stainless

Minimum order: 1 each. All Cylinders/Thumbturns can be combined for quantity pricing

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# CRL Frameless Storefront and Entrance Patch Hardware



- For 3/8" or 1/2" (10 or 12 mm) Glass
- An Excellent Choice for 'All-Glass' Entrances
- Available With 2-3/4" (70 mm) and 2-9/16" (65 mm) Pivot Setbacks
- A Complete Selection of Products Including Patch Fittings, Inserts and Pivots, Lever Locks and Latches, Concealed Overhead and Floor Closers, Door Handles, and Many More Accessories can be seen at crlaurence.com





# **CRL DOOR PULL HANDLES**

# **CRL Door Pull Handles**

#### • The Industry's Largest Selection for Glass and Aluminum Framed Doors



CRL offers a complete selection of Back-to-Back and Single Sided Pull Handles in a variety of finishes and styles for sliding and swinging entrance doors. Handles are made from aluminum, stainless steel or brass with a wide range of fastening options (see pages D435-D448). Custom Handles for hotels, casinos, storefronts, and more are available on special order to meet your exact requirements. See page D445 for more information.



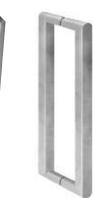












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# CRL LADDER PULLS

# **CRL Ladder Pulls**

- Straight and 'S' Styles Standard
- Optional Designer Finials Available
- Additional Straight and Offset Mid-Posts Available
- For Use With 3/8" to 3/4" (10 to 19 mm) Glass, or 1-3/4" (44 mm) Thick Doors
- 1-1/4" (32 mm) Diameter Heavy Wall 304 Alloy Stainless Steel Tubing
- Brushed and Polished Stainless Steel Finishes
- Custom Finishes and Sizes Available



CRL Ladder Style Pull Handles make even a simple glass door look more elegant and offer eye-catching appeal. Our large variety of standard sizes, along with our ability to rapidly transform stock handles or completely design a new one, makes the CRL Ladder Pull line a one stop shop for you. All our Ladder Pulls, Finials, and Mid-Posts are made from 304 alloy stainless steel to give you years of beauty with easy maintenance.

For additional information or to begin the custom design process, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also email us through our web site at **crlaurence.com.** From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

# **CRL Straight Style Ladder Pulls**

• Eleven Sizes Ranging From 24" to 84" (610 to 2134 mm) Overall Height

#### • Brushed or Polished Stainless Steel

CRL Straight Style Ladder Pulls come with two Mid-Posts and fasteners for mounting back-to-back on 3/8" to 3/4" (10 to 19 mm) thick tempered glass, or on 1-3/4" (44 mm) wood or aluminum doors. Custom Ladder Pulls can be ordered with additional Mid-Posts for added support. Maximum spacing of Mid-Posts is limited to 72" (1829 mm).

CAT. NO.	OVERALL LENGTH	MOUNTING HOLES CENTER-TO-CENTER	FINISH
24LPBS	24" (610 mm)	12" (305 mm)	Brushed Stainless
24LPPS	24" (610 mm)	12" (305 mm)	Polished Stainless
30LPBS	30" (762 mm)	18" (457 mm)	Brushed Stainless
30LPPS	30" (762 mm)	18" (457 mm)	Polished Stainless
36LPBS	36" (914 mm)	24" (610 mm)	Brushed Stainless
36LPPS	36" (914 mm)	24" (610 mm)	Polished Stainless
42LPBS	42" (1067 mm)	30" (762 mm)	Brushed Stainless
42LPPS	42" (1067 mm)	30" (762 mm)	Polished Stainless
48LPBS	48" (1219 mm)	36" (914 mm)	Brushed Stainless
48LPPS	48" (1219 mm)	36" (914 mm)	Polished Stainless
54LPBS	54" (1372 mm)	42" (1067 mm)	Brushed Stainless
54LPPS	54" (1372 mm)	42" (1067 mm)	Polished Stainless
60LPBS	60" (1524 mm)	48" (1219 mm)	Brushed Stainless
60LPPS	60" (1524 mm)	48" (1219 mm)	Polished Stainless
66LPBS	66" (1676 mm)	54" (1372 mm)	Brushed Stainless
66LPPS	66" (1676 mm)	54" (1372 mm)	Polished Stainless
72LPBS	72" (1829 mm)	60" (1524 mm)	Brushed Stainless
72LPPS	72" (1829 mm)	60" (1524 mm)	Polished Stainless
78LPBS	78" (1981 mm)	66" (1676 mm)	Brushed Stainless
78LPPS	78" (1981 mm)	66" (1676 mm)	Polished Stainless
84LPBS	84" (2134 mm)	72" (1829 mm)	Brushed Stainless
84LPPS	84" (2134 mm)	72" (1829 mm)	Polished Stainless

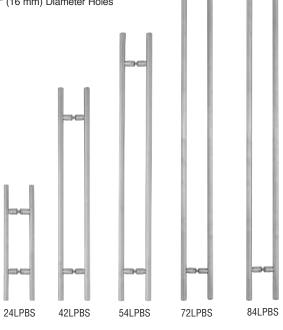
Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing. Additional holes required if extra Mid-Posts added.

#### • Custom Lengths, Designs, and Finishes Available on Special Order

SPECIFICATIONS:

3/8" to 3/4" (10 to 19 mm) Glass, or 1-3/4" (44 mm) Aluminum or Wood Doors **Construction:** 1-1/4" (32 mm) Diameter Stainless Steel Tubing **Glass Fabrication Required:** 

Two 5/8" (16 mm) Diameter Holes





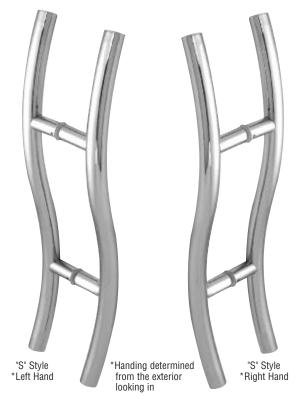
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# **CRL LADDER PULLS**

### CRL "S" Style Ladder Pull Handles



- Three Sizes in Two Popular Finishes for 3/8" to 3/4" (10 to 19 mm) Glass
- Designer Left and Right Hand Models Available
- 1-1/4" (32 mm) Diameter Heavy Wall 304 Alloy Stainless Steel Tubing
- Custom Finishes and Sizes Available

CRL "S" Style Ladder Pull Handles are for back-to-back mounting with supplied through-bolts. They are intended for use on doors made from 3/8" to 3/4" (10 to 19 mm) thick tempered glass. Stock sizes range from 24" to 48" (610 to 1219 mm) overall height. Standard finishes are polished stainless and brushed stainless. The Pulls are handed left and right to ensure the exposed set-screws are always on the interior side of the door. Handing is determined from the exterior side looking in.

Custom sizes and finishes are available to meet architectural specifications. For additional information or to begin the custom design process, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also e-mail us through our web site at **crlaurence.com**. From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



SPECIFICATIONS: For Use With: 3/8" to 3/4" (10 to 19 mm) Glass Construction: 1-1/4" (32 mm) Diameter Stainless Steel Tubing Glass Fabrication Required: Two 5/8" (16 mm) Diameter Holes



**"S" STYLE LADDER PULL HANDLES** 

CAT. NO.	HANDING*	OVERALL LENGTH	MOUNTING HOLES Center-to-center	FINISH
24SLPBS	Left Hand	24" (610 mm)	12" (305 mm)	Brushed Stainless
24SLPPS	Left Hand	24" (610 mm)	12" (305 mm)	Polished Stainless
24SRPBS	Right Hand	24" (610 mm)	12" (305 mm)	Brushed Stainless
24SRPPS	Right Hand	24" (610 mm)	12" (305 mm)	Polished Stainless
36SLPBS	Left Hand	36" (914 mm)	24" (610 mm)	Brushed Stainless
36SLPPS	Left Hand	36" (914 mm)	24" (610 mm)	Polished Stainless
36SRPBS	Right Hand	36" (914 mm)	24" (610 mm)	Brushed Stainless
36SRPPS	Right Hand	36" (914 mm)	24" (610 mm)	Polished Stainless
48SLPBS	Left Hand	48" (1219 mm)	36" (914 mm)	Brushed Stainless
48SLPPS	Left Hand	48" (1219 mm)	36" (914 mm)	Polished Stainless
48SRPBS	Right Hand	48" (1219 mm)	36" (914 mm)	Brushed Stainless
48SRPPS	Right Hand	48" (1219 mm)	36" (914 mm)	Polished Stainless

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing. "S" Style Pull Handles exceeding 48" (1219 mm) overall length must be discussed with CRL Technical Sales to determine proper application.

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# **CRL Locking Ladder Pulls**

- Locks Operate at a Comfortable Height Above the Floor
- No Kneeling or Bending to Lock or Unlock Doors
- Nine Styles in Stock, Custom Sizes Available on Special Order
- Made of Durable Alloy 316 Stainless Steel Tubing
- Single and Double Locking Options Available
- 1-1/4" (32 mm) Long Deadbolt Throw All Units

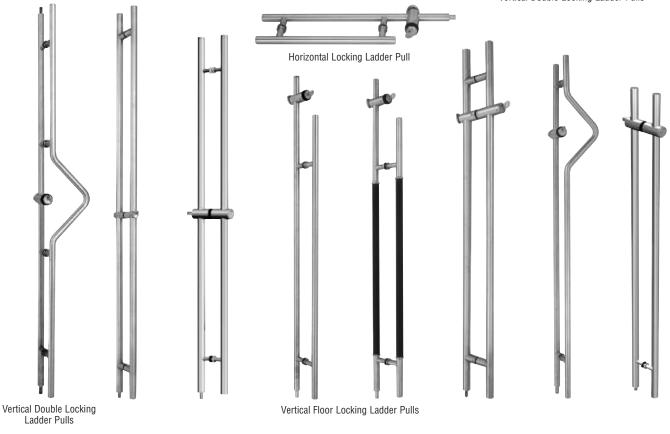
The newest and most practical option for 'all-glass' entrances is CRL's Locking Ladder Pulls. No more kneeling down to unlock the entry doors in the morning, or having to bend over after a long day at work to reach for the lock at the bottom edge of the door. Simply turn a key or thumbturn located at a comfortable height above the finished floor to lock or unlock your doors. CRL Locking Ladder Pulls have a fully concealed deadbolt locking mechanism with models available that lock only into the floor, or both the floor and the header. We also offer Horizontal Pulls that lock into a jamb or sidelite. These Locking Ladder Pulls are intended for use with glass doors made from 3/8" to 3/4" (10 to 19 mm) thick tempered glass. Select models available with prep for 6-pin or 7-pin Rim Type Cylinders. Custom heights and configurations are available on special order.

For additional information contact CRL Technical Sales (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail from the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

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Vertical Double Locking Ladder Pulls





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# CRL 48" Locking Ladder Pull

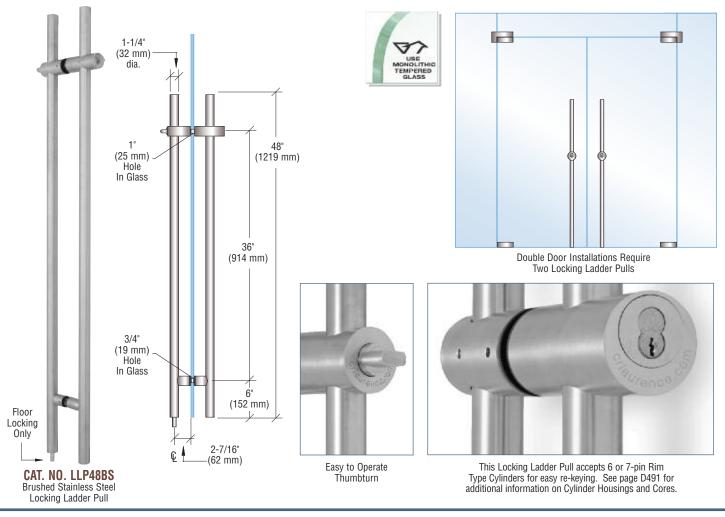
- Locks Into the Floor Only
- For 1/2" to 3/4" (12 to 19 mm) Glass
- Lock Operates at a Comfortable 42" (1067 mm) Above the Floor
- 1-1/4" (32 mm) Diameter Alloy 316 **Brushed Stainless Steel Tubing**
- Custom Sizes Ship Within One to Two Weeks

Our 48" (1219 mm) Locking Ladder Pull has a fully concealed deadbolt locking mechanism that is operated at 42" (1067 mm) above the floor. No need to bend, simply turn a key or thumbturn located at a comfortable height above the finished floor to lock or unlock your doors. This Pull is intended for use with glass doors made from 1/2" to 3/4" (12 to 19 mm) thick tempered glass. It locks into the floor only, and is available in brushed stainless steel.

This Locking Ladder Pull is supplied with our standard 7-pin Rim Cylinder with Interchangeable Core, that can be used as the final cylinder or as a temporary, and is easily replaced. If staying with the 7-pin format, just remove the core, have it re-keyed, or replace it with a new one. See page D491 for our selection of 7-pin Cores. If proprietary 6-pin Cylinders are required, simply remove the entire Rim Cylinder provided and replace it with the proper Rim Cylinder of your choice. This Ladder Pull will accept most standard manufactured Rim Type Cylinders. NOTE: Glass fabrication is required. Please visit crlaurence.com for details.



OMFORTABLE





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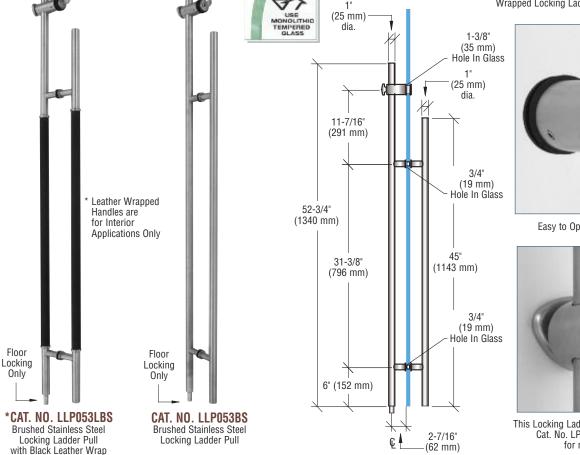
# **CRL 53" Locking Ladder Pulls**

- Locks Into the Floor Only
- For 3/8" to 1/2" (10 to 12 mm) Glass
- Lock Operates at a Comfortable 48-13/16" (1240 mm) Above the Floor
- Available in Brushed Stainless or With Black Leather Wrapped Handle\*
- 1" (25 mm) Diameter Alloy 316 Stainless Steel Tubing

Our 53" (1346 mm) Locking Ladder Pulls have a fully concealed deadbolt locking mechanism that is operated at 48-13/16" (1240 mm) above the floor. No need to bend, simply turn a key or thumbturn located at a comfortable height above the finished floor to lock or unlock your doors. These Locking Ladder Pulls are intended for use with glass doors made from 3/8" to 1/2" (10 to 12 mm) thick tempered glass. They lock into the floor only, and are available in brushed stainless steel or, for a truly unique look, black leather wrapped handle over brushed stainless steel. One Cat. No. 58DKBS Dustproof Keeper is included. NOTE: Glass fabrication is required. Please visit crlaurence.com for details.



Interior Installation With Black Leather Wrapped Locking Ladder Pull





Easy to Operate Designer Thumbturn



This Locking Ladder Pull comes keyed randomly. Cat. No. LPKB1 Key Blank is available for re-keying by others.



Floor

Only

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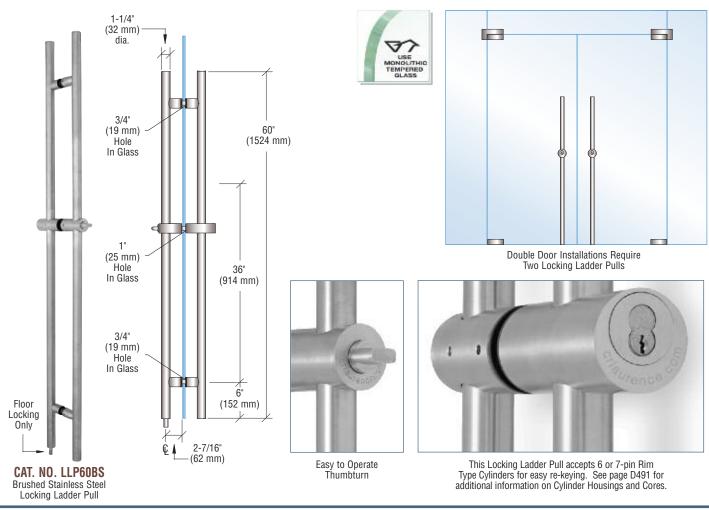
# **CRL 60" Locking Ladder Pull**

- Locks Into the Floor Only
- For 1/2" to 3/4" (12 to 19 mm) Glass
- Lock Operates at a Comfortable 42" (1067 mm) Above the Floor
- 1-1/4" (32 mm) Diameter Alloy 316 Brushed Stainless Steel Tubing
- Custom Sizes Ship Within One to Two Weeks

Our 60" (1524 mm) Locking Ladder Pull has a fully concealed deadbolt locking mechanism that is operated at 42" (1067 mm) above the floor. No need to bend, simply turn a key or thumbturn located at a comfortable height above the finished floor to lock or unlock your doors. This Pull is intended for use with glass doors made from 1/2" to 3/4" (12 to 19 mm) thick tempered glass. It locks into the floor only, and is available in brushed stainless steel.

This Locking Ladder Pull is supplied with our standard 7-pin Rim Cylinder with Interchangeable Core, that can be used as the final cylinder or as a temporary, and is easily replaced. If staying with the 7-pin format, just remove the core, have it re-keyed, or replace it with a new one. See page D491 for our selection of 7-pin Cores. If proprietary 6-pin Cylinders are required, simply remove the entire Rim Cylinder provided and replace it with the proper Rim Cylinder of your choice. This Ladder Pull will accept most standard manufactured Rim Type Cylinders. **NOTE:** Glass fabrication is required. Please visit **crlaurence.com** for details.





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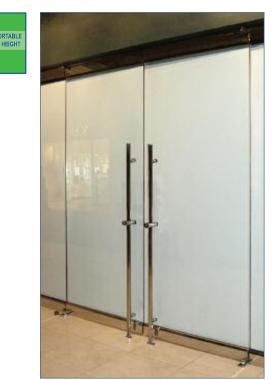
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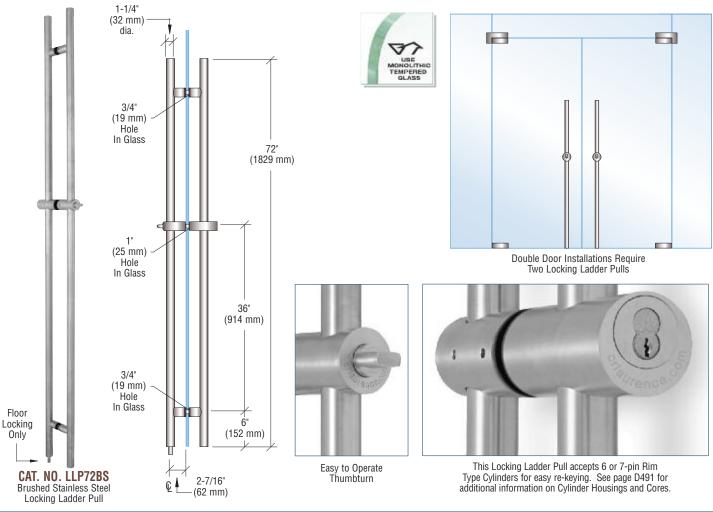
# CRL 72" Locking Ladder Pull

- Locks Into the Floor Only
- For 1/2" to 3/4" (12 to 19 mm) Glass
- Lock Operates at a Comfortable 42" (1067 mm) Above the Floor
- 1-1/4" (32 mm) Diameter Alloy 316 Brushed Stainless Steel Tubing
- Custom Sizes Ship Within One to Two Weeks

Our 72" (1829 mm) Locking Ladder Pull has a fully concealed deadbolt locking mechanism that is operated at 42" (1067 mm) above the floor. No need to bend, simply turn a key or thumbturn located at a comfortable height above the finished floor to lock or unlock your doors. This Pull is intended for use with glass doors made from 1/2" to 3/4" (12 to 19 mm) thick tempered glass. It locks into the floor only, and is available in brushed stainless steel.

This Locking Ladder Pull is supplied with our standard 7-pin Rim Cylinder with Interchangeable Core, that can be used as the final cylinder or as a temporary, and is easily replaced. If staying with the 7-pin format, just remove the core, have it re-keyed, or replace it with a new one. See page D491 for our selection of 7-pin Cores. If proprietary 6-pin Cylinders are required, simply remove the entire Rim Cylinder provided and replace it with the proper Rim Cylinder of your choice. This Ladder Pull will accept most standard manufactured Rim Type Cylinders. **NOTE:** Glass fabrication is required. Please visit **crlaurence.com** for details.





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# **CRL 84" Locking Ladder Pull**

- Locks Into the Floor Only (Custom Top Locking on Request)
- For 1/2" to 3/4" (12 to 19 mm) Glass
- Lock Operates at a Comfortable 42" (1067 mm) Above the Floor
- 1-1/4" (32 mm) Diameter Alloy 316 Brushed Stainless Steel Tubing
- Custom Sizes Ship Within One to Two Weeks

Our 84" (2134 mm) Locking Ladder Pull has a fully concealed deadbolt locking mechanism that is operated at 42" (1067 mm) above the floor. No need to bend, simply turn a key or thumbturn located at a comfortable height above the finished floor to lock or unlock your doors. This Pull is intended for use with glass doors made from 1/2" to 3/4" (12 to 19 mm) thick tempered glass.

COMFORTABLE

This Locking Ladder Pull is supplied with our standard 7-pin Rim Cylinder with Interchangeable Core, that can be used as the final cylinder or as a temporary, and is easily replaced. If staying with the 7-pin format, just remove the core, have it re-keyed, or replace it with a new one. See page D491 for our selection of 7-pin Cores. If proprietary 6-pin Cylinders are required, simply remove the entire Rim Cylinder provided and replace it with the proper Rim Cylinder of your choice. This Ladder Pull will accept most standard manufactured Rim Type Cylinders. **NOTE:** Glass fabrication is required. Please visit **crlaurence.com** for details.



Double Door Installations Require Two Locking Ladder Pulls



Easy to Operate Thumbturn

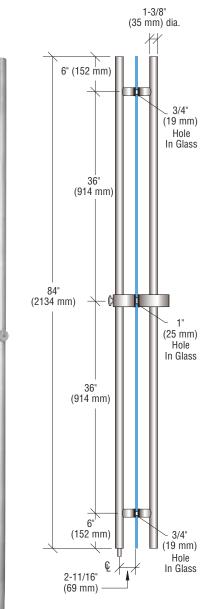
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Type Cylinders for easy re-keying. See page D491 for additional information on Cylinder Housings and Cores.

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Floor

Locking

Only

# **CRL 55" Triangular Locking Ladder Pulls**

- Locks Into the Floor Only
- For 3/8" to 1/2" (10 to 12 mm) Glass
- Left and Right Hand Models for Single and Double Doors
- 1" (25 mm) Diameter Alloy 316 **Brushed Stainless Steel Tubing**

Our 55" (1397 mm) Triangular Locking Ladder Pulls have a fully concealed deadbolt locking mechanism that is operated at 43-5/16" (1100 mm) above the floor. No need to bend, simply turn a key or thumbturn located at a comfortable height above the finished floor to lock or unlock your doors. These Locking Ladder Pulls are intended for use with glass doors made from 3/8" to 1/2" (10 to 12 mm) thick tempered glass. They lock into the floor only, and are available in brushed stainless steel. One Cat. No. 58DKBS Dustproof Keeper is included. NOTE: Glass fabrication is required. Please visit crlaurence.com for details.



Single Door Installation With Right Hand Locking Ladder Pull

3/4" (19 mm) Hole In Glass

1-3/8 (35 mm) Hole

In Glass

3/4" (19 mm) Hole In Glass

2-7/16"

(62 mm)



Easy to Operate Designer Thumbturn



This Locking Ladder Pull comes keyed randomly. Cat. No. LPKB1 Key Blank is available for re-keying by others.

\*Handing is determined from the exterior looking in

1" (25 mm) dia.

> 7-7/8" (200 mm)

37-5/16" (948 mm)

6" (152 mm)

Ç

55" (1397 mm)



CAT. NO. LLP055TLBS

Left Hand Triangular

Locking Ladder Pull

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CAT. NO. LLP055TRBS

Locking Ladder Pull

**Right Hand Triangular** 

Floor Locking

Only

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OMFORTABLE OCK HEIGHT

# **CRL 84" Triangular Double Locking Ladder Pulls**

 Locks at Both Top and Bottom CAT. NO. LPK4BS • For 3/8" to 1/2" (10 to 12 mm) Glass 1" (25 mm) Diameter Brushed Stainless Ladder Pull Keeper for Glass Transoms COMFORTABLE Left and Right Hand Models for 1" (25 mm) Single and Double Doors dia. • 1" (25 mm) Diameter Alloy 316 3-15/16" **Brushed Stainless Steel Tubing** (100 mm) 8" (203 mm) Our 84" (2133 mm) Triangular Locking Ladder Pulls have a fully concealed deadbolt locking mechanism that is operated at 43-5/16" (1100 mm) above the floor. No need to bend, simply turn a key or thumbturn located at a 2" (51<sup>'</sup>mm) comfortable height above the finished floor to lock or unlock your doors. These Locking Ladder Pulls are intended for use with glass doors made 6' from 3/8" to 1/2" (10 to 12 mm) thick tempered glass. They lock both at (152 mm) the header or transom and floor for ultimate security. Available in brushed stainless steel. Two Cat. No. 58DKBS Dustproof Keepers are included. Optional Ladder Keeper for glass transoms is available separately (see top right). NOTE: Glass fabrication is required. Please visit crlaurence.com for details. 26-13/16" (681 mm) 3/4" (19 mm) Hole In Glass 84" (2133 mm) Double Locking Top and Bottom 1-3/8" - 140 (35 mm) 7-7/8" Hole (200 mm) In Glass 7-7/8" (200 mm) 10 Double Door Installations Require One Left Single Door Installations 3/4" 29-7/16" and One Right Hand Locking Ladder Pull Require One Left or Right (19 mm) (748 mm) Hand Locking Ladder Pull Hole In Glass (152 mm) ¢ 2-7/16" (62 mm) CAT. NO. LLP084TLBS CAT. NO. LLP084TRBS Easy to Operate Designer Thumbturn This Locking Ladder Pull comes keyed Left Hand Triangular Double **Right Hand Triangular Double** randomly. Cat. No. LPKB1 Key Blank Locking Ladder Pull Handle Locking Ladder Pull Handle is available for re-keying by others. \* Handing is determined from the exterior looking in



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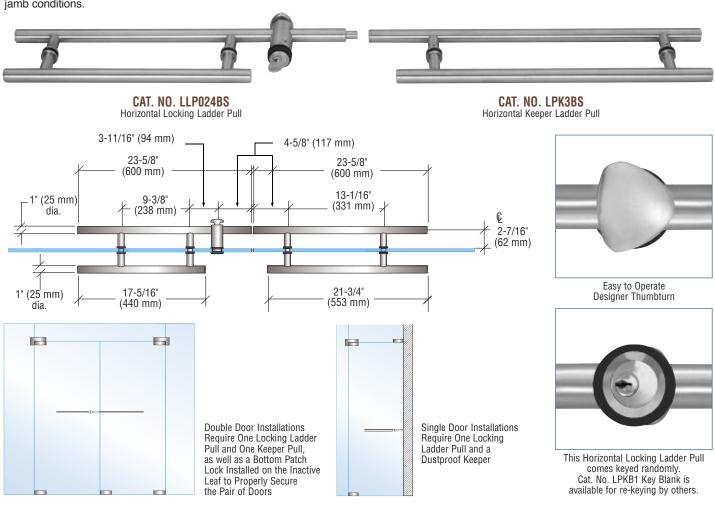
# CRL 24" Horizontal Locking Ladder Pull and Keeper

- Horizontal Locking Ladder Pull for a Contemporary Look
- For Use on 3/8" to 1/2" (10 to 12 mm) Glass
- Can Be Used on Double and Single Doors
- 1" (25 mm) Diameter Alloy 316 Brushed Stainless Steel Tubing

Our Horizontal Locking Ladder Pull will give 3/8" to 1/2" (10 to 12 mm) tempered glass doors a contemporary look. They have a fully concealed deadbolt locking mechanism that locks into a complementary Horizontal Keeper for double door or single door with fixed glass panel installations. On single door installations the concealed locking mechanism engages into a Dustproof Keeper on the wall. No need to bend, simply turn key or thumbturn located at a comfortable height above the finished floor to lock or unlock doors.

Horizontal Locking Ladder Pulls are available in brushed stainless steel. One Cat. No. 58DKBS Dustproof Keeper is included. Matching Horizontal Keeper Ladder Pulls are sold separately (see below). **NOTE:** Glass fabrication is required. Please visit **crlaurence.com** for details. Placement of pulls in relation to vertical edge of door is critical and dependent upon application, handing of doors, and jamb conditions.







### **CRL Straight and Offset Back-to-Back Pull Handles**

- Stocked in Up to Five **Architectural Finishes**
- For Use With 3/8" to 3/4" (10 to 19 mm) Glass
- Complete With Matching **Finish Metal Washers and Through-Bolts for Mounting**

#### SPECIFICATIONS:

For Use With: 3/8" to 3/4" (10 to 19 mm) Glass **Construction:** 1" (25 mm) Diameter Stainless Steel or Brass Tubing. \*1-1/4" (32 mm) Diameter Stainless Steel (CD24X24BS125 Model only). Offset: 3" (76 mm) Center-to-Center **Glass Fabrication Required:** Two 5/8" (16 mm) Diameter Holes

#### **INCLUDES:**

2 Each: Through-Bolts for Glass Mounting 4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets





STRAIGHT BACK-TO-BACK PULL HANDLES

CAT. NO.	MOUNTING HOLES CENTER-TO-CENTER	FINISH
CM10X10BS	10" (254 mm)	Brushed Stainless
CM10X10PS	10" (254 mm)	Polished Stainless
CM10X10BR	10" (254 mm)	Polished Brass
CM10X10SA	10" (254 mm)	Satin Anodized
CM10X10DU	10" (254 mm)	Dark Bronze Anodized
CM12X12BS	12" (305 mm)	Brushed Stainless
CM12X12PS	12" (305 mm)	Polished Stainless
CM12X12BR	12" (305 mm)	Polished Brass
CM12X12SA	12" (305 mm)	Satin Anodized
CM12X12DU	12" (305 mm)	Dark Bronze Anodized
CM18X18BS	18" (457 mm)	Brushed Stainless
CM18X18PS	18" (457 mm)	Polished Stainless
CM18X18BR	18" (457 mm)	Polished Brass
CM24X24BS	24" (610 mm)	Brushed Stainless
CM24X24PS	24" (610 mm)	Polished Stainless
CM24X24BR	24" (610 mm)	Polished Brass

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing

#### OFFSET BACK-TO-BACK PULL HANDLES

Matching Washer Set and Through-Bolt for 3/8" to 3/4" (10 to 19 mm) Glass

Through-Bolts for 1-3/4" (45 mm) Wood or Metal Door Frames

Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass

Extra bolts available, sold separately:

(Not for use with CD24X24BS125)

CAT. NO. DESCRIPTION

TB2CH

TR4CH

F40WK

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

### **CRL Glass Mounted Solid Back-to-Back Pull Handle**

#### SPECIFICATIONS:

For Use With: 3/8" to 3/4" (10 to 19 mm) Glass Construction: 1" (25 mm) Solid Stainless Steel or Brass

**Glass Fabrication Required:** Two 5/8" (16 mm) Diameter Holes

#### INCLUDES:

2 Each: Through-Bolts for Glass Mounting 4 Each: 1-1/4" (32 mm) Diameter Matching Finish

Metal Washers and Rubber Gaskets

CAT. NO.	MOUNTING HOLES CENTER-TO-CENTER	FINISH
CS10X10BS	10" (254 mm)	Brushed Stainless
CS10X10PS	10" (254 mm)	Polished Stainless
CS10X10BR	10" (254 mm)	Polished Brass
CS12X12BS	12" (305 mm)	Brushed Stainless
CS12X12PS	12" (305 mm)	Polished Stainless
CS12X12BR	12" (305 mm)	Polished Brass

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

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### **CRL Glass Mounted Elbow** Style Back-to-Back Pull Handle

#### SPECIFICATIONS:

For Use With: 3/8" to 3/4" (10 to 19 mm) Glass **Construction:** 1" (25 mm) Diameter Stainless Steel or Brass Tubing

**Glass Fabrication Required:** 

Two 5/8" (16 mm) Diameter Holes

Extra bolts available, sold separately:

CAT. NO. DESCRIPTION

TB2CH Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass

TB4CH Through-Bolts for 1-3/4" (45 mm) Wood or Metal Door Frames F40WK Matching Washer Set and Through-Bolt for

3/8" to 3/4" (10 to 19 mm) Glass

CAT. NO.	MOUNTING HOLES CENTER-TO-CENTER	FINISH
CV12X12BS	12" (305 mm)	Brushed Stainless
CV12X12PS	12" (305 mm)	Polished Stainless
CV12X12BR	12" (305 mm)	Polished Brass

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INCLUDES:

2 Each: Through-Bolts for Glass Mounting

Matching Finish Metal Washers

4 Each: 1-1/4" (32 mm) Diameter

and Rubber Gaskets

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.



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Curv	Glass Mounted ved Style Back-to-Back Handle		Rou	Glass Mounte nd Tube Curve pe Handle
For Use 3/8" to 3 <b>Constru</b> 1" (25 m Steel or Glass Fa Two 5/8"	W4" (10 to 19 mm) Glass Juni Diameter Stainless Brass Tubing abrication Required: " (16 mm) Diameter Holes		For Use 3/8" to 3 (10 to 11 Constru 1" (25 m Stainles Glass F	9 mm) Glass
		ICLUDES:		
		Each: Through-Bolts for Glass Mounting	Extra bo	Its available, sold separatel
TB2CH	Through-Bolts for 3/8" to 3/4"	0		
TB4CH	(10 to 19 mm) Glass 4 Through-Bolts for 1-3/4" (45 mm) Wood or Metal Door Frames	Each: 1-1/4" (32 mm) Diameter Matching Finish Metal	TB2CH	D. DESCRIPTION Through-Bolts for 3/8" to (10 to 19 mm) Glass
F40WK	Matching Washer Set and Through-Bolt for 3/8" to 3/4" (10 to 19 mm) Glass	Washers and Rubber Gaskets	TB4CH F40WK	Through-Bolts for 1-3/4" ( Wood or Metal Door Fran Matching Washer Set and
CAT. NO	MOUNTING HOLES CENTER-TO-CENTER	FINISH		for 3/8" to 3/4" (10 to 19 i

			F40
CAT. NO.	MOUNTING HOLES CENTER-TO-CENTER	FINISH	
CC12X12BS CC12X12PS CC12X12BR CC12X12DU	12" (305 mm) 12" (305 mm) 12" (305 mm) 12" (305 mm)	Brushed Stainless Polished Stainless Polished Brass Dark Bronze Anodized	C C C

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

### **CRL Glass Mounted Straight and Offset Combination Push and Pull Handles**

- Five Beautiful Architectural Finishes
- For Use With 3/8" to 3/4" (10 to 19 mm) Glass



Extra bolts available, sold separately:

#### CAT. NO. DESCRIPTION

TB2CH TB4CH	Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass Through-Bolts for 1-3/4" (45 mm) Wood or Metal
	Door Frames
F40WK	Matching Washer Set and Through-Bolt for 3/8" to 3/4" (10 to 19 mm) Glass

Matching Washer and Stud Kit for Single-Sided Attachment for 3/8" to 3/4" (10 to 19 mm) Glass



**CRL Glass Mounted** Round Tube Curved

Extra bolts	s available, sold separately:	INC
CAT. NO.	DESCRIPTION	2 E
TB2CH	Through-Bolts for 3/8" to 3/4"	
	(10 to 19 mm) Glass	4 E
TB4CH	Through-Bolts for 1-3/4" (45 mm)	
	Wood or Metal Door Frames	
F40WK	Matching Washer Set and Through-Bolt	
	for 3/8" to 3/4" (10 to 19 mm) Glass	

CLUDES:

Each: Through-Bolts for Glass Mounting Each: 1-1/4" (32 mm) **Diameter Matching** Finish Metal Washers and **Rubber Gaskets** 

CAT. NO.	MOUNTING HOLES CENTER-TO-CENTER	FINISH
CY18X18BS CY18X18PS	18" (457 mm) 18" (457 mm)	Brushed Stainless Polished Stainless

Minimum order: 1 each All Pull Handles can be combined for quantity pricing

#### STRAIGHT COMBINATION PUSH AND PULL HANDLES CAT. NO. FINISH CM10X28BS 10" X 28" **Brushed Stainless** CM10X28PS 10" X 28" **Polished Stainless** CM10X28BR 10" X 28" **Polished Brass** CM10X28SA 10" X 28" Satin Anodized CM10X28DU 10" X 28" Dark Bronze Anodized 12" X 28" **CM12X28BS Brushed Stainless CM12X28PS** 12" X 28" Polished Stainless CM12X28BR 12" X 28" Polished Brass **CM12X28SA** 12" X 28 Satin Anodized **CM12X28DU** 12" X 28" Dark Bronze Anodized

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

#### **OFFSET COMBINATION PUSH AND PULL HANDLES**

CAT. NO.	SIZE	FINISH
CD10X28BS	10" X 28"	Brushed Stainless
CD10X28PS	10" X 28"	Polished Stainless
CD10X28BR	10" X 28"	Polished Brass
CD10X28SA	10" X 28"	Satin Anodized
CD10X28DU	10" X 28"	Dark Bronze Anodized
CD10X33BS	10" X 33"	Brushed Stainless
CD10X33PS	10" X 33"	Polished Stainless
CD10X33BR	10" X 33"	Polished Brass
CD10X33SA	10" X 33"	Satin Anodized
CD10X33DU	10" X 33"	Dark Bronze Anodized
CD12X28BS	12" X 28"	Brushed Stainless
CD12X28PS	12" X 28"	Polished Stainless
CD12X28BR	12" X 28"	Polished Brass
CD12X28SA	12" X 28"	Satin Anodized
CD12X28DU	12" X 28"	Dark Bronze Anodized

Minimum order: 1 each All Pull Handles can be combined for quantity pricing



**INCLUDES:** 

4 Each:

Offset: 3" (76 mm) Center-to-Center Optional 1-1/4" (32 mm) Diameter Available on Special Order

2 Each: Through-Bolts for Glass Mounting

Gaskets

1-1/4" (32 mm) Diameter

Matching Finish Metal

Washers and Rubber

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#### **CRL Glass Mounted Bracket CRL Glass Mounted Curved** Style Back-to-Back Pull Handle **Tubular Back-to-Back Pull Handle** SPECIFICATIONS: For Use With: 3/8" to 3/4" NEW! (10 to 19 mm) Glass Construction: 1" (25 mm) SPECIFICATIONS: Diameter Stainless Steel Tubing For Use With: **Glass Fabrication Required:** 3/8" to 3/4" (10 to 19 mm) Glass Two 5/8" (16 mm) Diameter Holes Construction: INCLUDES: 1" (25 mm) Diameter EMPERE Stainless Steel Tubing 2 Each: Through-Bolts for Glass Mounting 4 Each: 1-1/4" (32 mm) Diameter Matching **Glass Fabrication Required:** Finish Metal Washers and Rubber Gaskets Two 5/8" (16 mm) Diameter Holes Extra bolts available, sold separately: CAT. NO. DESCRIPTION TR2CH Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass **INCLUDES:** Through-Bolts for 1-3/4" (45 mm) Wood or Metal TB4CH 2 Each: Through-Bolts for Glass Mounting Door Frames 4 Each: 1-1/4" (32 mm) Diameter F40WK Matching Washer Set and Through-Bolt for Matching Finish Metal 3/8" to 3/4" (10 to 19 mm) Glass Washers and Rubber Gaskets MOUNTING HOLES CENTER-TO-CENTER CAT. NO. FINISH RC12X12BS 12" (305 mm) **Brushed Stainless** RC12X12PS 12" (305 mm) **Polished Stainless** MOUNTING HOLES CENTER-TO-CENTER 18" (457 mm) **RC18X18BS Brushed Stainless** CAT. NO. FINISH **RC18X18PS** 18" (457 mm) **Polished Stainless CX17X17BS Brushed Stainless** 16-3/4" (425 mm) RC24X24BS 24" (610 mm) **Brushed Stainless CX17X17PS** 16-3/4" (425 mm) Polished Stainless RC24X24PS 24" (610 mm) **Polished Stainless** Minimum order: 1 each. All Pull Handles can be combined for quantity pricing. Minimum order: 1 each. All Pull Handles can be combined for quantity pricing. **CRL Glass Mounted Crescent CRL Glass Mounted Crescent** Mid-Mount Back-to-Back End-Mount Back-to-Back Pull Handle Pull Handle NEW NEW SPECIFICATIONS: SPECIFICATIONS: For Use With: For Use With: 3/8" to 3/4" (10 to 19 mm) Glass 3/8" to 3/4" (10 to 19 mm) Glass Construction: Construction: 1-1/4" (32 mm) Diameter Stainless 1-1/4" (32 mm) Diameter Stainless Steel Tubing Steel Tubina **Glass Fabrication Required: Glass Fabrication Required:** Two 5/8" (16 mm) Diameter Holes Two 5/8" (16 mm) Diameter Holes **INCLUDES:** INCLUDES: 2 Each: Through-Bolts for Glass Mounting 2 Each: Through-Bolts for Glass Mounting 4 Each: 1-1/4" (32 mm) Diameter Matching Finish 4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets Metal Washers and Rubber Gaskets Extra bolts available, sold separately: Extra bolts available, sold separately: CAT. NO. DESCRIPTION TB2CH Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass CAT. NO. DESCRIPTION Through-Bolts for 1-3/4" (45 mm) Wood or Metal Door Frames TB4CH TB2CH Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass F40WK Matching Washer Set and Through-Bolt for TB4CH Through-Bolts for 1-3/4" (45 mm) Wood or Metal Door Frames 3/8" to 3/4" (10 to 19 mm) Glass F40WK Matching Washer Set and Through-Bolt for 3/8" to 3/4" (10 to 19 mm) Glass OVERALL IOUNTING HOLES CAT. NO. FINISH LENGTH **CENTER-TO-CENTER** MOUNTING HOLES CENTER-TO-CENTER OVERALL LENGTH CH12X12BS 12" (305 mm) **Brushed Stainless** 6" (152 mm) CAT. NO. FINISH **CH12X12PS** 12" (305 mm) 6" (152 mm) Polished Stainless **CE18X18BS CH18X18BS** 9" (229 mm) **Brushed Stainless** 18" (457 mm) 12" (305 mm) **Brushed Stainless** 18" (457 mm) **CH18X18PS** 18" (457 mm) 9" (229 mm) **Polished Stainless CE18X18PS** 18" (457 mm) 12" (305 mm) **Polished Stainless** CH24X24BS 24" (610 mm) 12" (305 mm) **Brushed Stainless** CE24X24BS 24" (610 mm) 18" (457 mm) **Brushed Stainless** 24" (610 mm) 12" (305 mm) Polished Stainless CE24X24PS 24" (610 mm) 18" (457 mm) **Polished Stainless** CH24X24PS Minimum order: 1 each All Pull Handles can be combined for quantity pricing Minimum order: 1 each All Pull Handles can be combined for quantity pricing



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D437

### CRL Glass Mounted Mitered Corner Style Back-to-Back Pull Handle

#### SPECIFICATIONS:

For Use With: 3/8" to 3/4" (10 to 19 mm) Glass Construction:

1" (25 mm) Round Stainless Steel Tubing Glass Fabrication Required:

Two 5/8" (16 mm) Diameter Holes

#### INCLUDES:

CAT. NO.

MH10X10BS

MH10X10PS

MH12X12BS MH12X12PS

**MH18X18BS** 

**MH18X18PS** 

MH24X24BS MH24X24PS

- 2 Each: Through-Bolts for Glass Mounting
- 4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets

Extra bolts available, sold separately:

#### CAT. NO. DESCRIPTION

- **TB2CH** Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass
- TB4CH Through-Bolts for 1-3/4" (45 mm) Wood or Metal Door Frames
- F40WK Matching Washer Set and Through-Bolt for 3/8" to 3/4" (10 to 19 mm) Glass



FINISH

Brushed Stainless

Polished Stainless

**Brushed Stainless** 

Polished Stainless

**Brushed Stainless** 

Polished Stainless

**Brushed Stainless** 

**Polished Stainless** 

### CRL Glass Mounted Sculptured Style Back-to-Back Pull Handle

#### SPECIFICATIONS:

For Use With: 3/8" and 1/2" (10 and 12 mm) Glass Construction: Cast Solid Brass Glass Fabrication Required: Two 5/8" (16 mm) Diameter Holes



INCLUDES:

2 Each: Through-Bolts for Glass Mounting

4 Each: 1-1/16" (27 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets



CAT. NO.	MOUNTING HOLES CENTER-TO-CENTER	FINISH
CQ10X10CH	10" (254 mm)	Chrome Plated
CQ10X10BR	10" (254 mm)	Polished Brass
CQ10X10BSC	10" (254 mm)	Brushed Satin Chrome
CQ10X10BN	10" (254 mm)	Brushed Nickel
CQ10X10PN	10" (254 mm)	Polished Nickel
CQ10X10ABR	10" (254 mm)	Antique Brass
CQ10X10GP	10" (254 mm)	Gold Plated
CQ10X100RB	10" (254 mm)	Oil Rubbed Bronze

**CRL Glass Mounted Square Ladder Style** 

Pull Handle With Square Mounting Posts

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing

### CRL Glass Mounted Square Ladder Style Pull Handle With Round Mounting Posts

MOUNTING HOLES CENTER-TO-CENTER

10" (254 mm)

10" (254 mm)

12" (305 mm)

12" (305 mm)

18" (457 mm)

18" (457 mm)

24" (610 mm)

24" (610 mm)

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

Optional 1-1/4" (32 mm) diameter available on special order.

#### SPECIFICATIONS:

For Use With: 3/8" to 3/4" (10 to 19 mm) Glass Construction: 1" (25 mm) Square Stainless Steel Tubing Glass Fabrication Required: Two 5/8" (16 mm) Diameter Holes

#### INCLUDES:

2 Each: Through-Bolts for Glass Mounting

4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets



Extra bolts available, sold separately: CAT. NO. DESCRIPTION

TB2CH Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass TB4CH Through-Bolts for 1-3/4" (45 mm) Wood or Metal Door Frames F40WK Matching Washer Set and

Through-Bolt for 3/8" to 3/4" (10 to 19 mm) Glass

CAT. NO.	OVERALL LENGTH	MOUNTING HOLES CENTER-TO-CENTER	FINISH
24SQRLPBS	24" (610 mm)	12" (305 mm)	Brushed Stainless
24SQRLPPS	24" (610 mm)	12" (305 mm)	Polished Stainless
36SQRLPBS	36" (914 mm)	24" (610 mm)	Brushed Stainless
36SQRLPPS	36" (914 mm)	24" (610 mm)	Polished Stainless
48SQRLPBS	48" (1219 mm)	36" (914 mm)	Brushed Stainless
48SQRLPPS	48" (1219 mm)	36" (914 mm)	Polished Stainless
60SQRLPBS	60" (1524 mm)	48" (1219 mm)	Brushed Stainless
60SQRLPPS	60" (1524 mm)	48" (1219 mm)	Polished Stainless
	. /	. /	

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.



Two 5/8" (16 mm) Diameter Holes INCLUDES: 2 Each: Through-Bolts for

SPECIFICATIONS:

(10 to 19 mm) Glass

For Use With: 3/8" to 3/4"

Construction: 1" (25 mm)

Square Stainless Steel Tubing

**Glass Fabrication Required:** 

### Glass Mounting



Extra bolts available, sold separately: CAT. NO. DESCRIPTION TB2CH Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass TB4CH Through-Bolts for 1-3/4" (45 mm) Wood or Metal

Door Frames



CAT. NO.	OVERALL LENGTH	MOUNTING HOLES CENTER-TO-CENTER	FINISH
24SQSLPBS	24" (610 mm)	12" (305 mm)	Brushed Stainless
24SQSLPPS	24" (610 mm)	12" (305 mm)	Polished Stainless
36SQSLPBS	36" (914 mm)	24" (610 mm)	Brushed Stainless
36SQSLPPS	36" (914 mm)	24" (610 mm)	Polished Stainless
48SQSLPBS	48" (1219 mm)	36" (914 mm)	Brushed Stainless
48SQSLPPS	48" (1219 mm)	36" (914 mm)	Polished Stainless
60SQSLPBS	60" (1524 mm)	48" (1219 mm)	Brushed Stainless
60SQSLPPS	60" (1524 mm)	48" (1219 mm)	Polished Stainless

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.



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### **CRL Glass Mounted Square Tube Style Back-to-Back** Pull Handle

#### SPECIFICATIONS:

For Use With: 3/8" to 3/4" (10 to 19 mm) Glass Construction: 1" (25 mm) Square Stainless Steel Tubing **Glass Fabrication Required:** Two 5/8" (16 mm) Diameter Holes



#### **INCLUDES:**

2 Each: Through-Bolts for Glass Mounting

Extra bolts available, sold separately:

#### CAT. NO. DESCRIPTION

TR<sub>2</sub>CH Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass Through-Bolts for 1-3/4" (45 mm) Wood or Metal TB4CH Door Frames

CAT. NO.	MOUNTING HOLES CENTER-TO-CENTER	FINISH
SQ10X10BS	10" (254 mm)	Brushed Stainless
SQ10X10PS	10" (254 mm)	Polished Stainless
SQ12X12BS	12" (305 mm)	Brushed Stainless
SQ12X12PS	12" (305 mm)	Polished Stainless
SQ18X18BS	18" (457 mm)	Brushed Stainless
SQ18X18PS	18" (457 mm)	Polished Stainless
SQ24X24BS	24" (610 mm)	Brushed Stainless
SQ24X24PS	24" (610 mm)	Polished Stainless

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

### CRL Glass Mounted Offset Square Back-to-Back Pull Handle NEW

SPECIFICATIONS: For Use With: 3/8" to 3/4" (10 to 19 mm) Glass Construction: 1" (25 mm) Square Stainless Steel Tubing Offset: 2-1/8" (54 mm) Center-to-Center **Glass Fabrication Required:** Two 5/8" (16 mm) Diameter Holes

Extra bolts available, sold separately:

#### CAT. NO. DESCRIPTION

TB2CH Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass TB4CH Through-Bolts for 1-3/4" (45 mm) Wood or Metal Door Frames

INCLUDES: 2 Each: Through-Bolts for Glass Mounting

MOUNTING HOLES CENTER-TO-CENTER CAT. NO. FINISH **S010X10BS** 10" (254 mm) **Brushed Stainless S010X10PS** 10" (254 mm) **Polished Stainless** S012X12BS 12" (305 mm) **Brushed Stainless** S012X12PS 12" (305 mm) Polished Stainless 18" (457 mm) S018X18BS **Brushed Stainless** S018X18PS 18" (457 mm) **Polished Stainless** S024X24BS 24" (610 mm) **Brushed Stainless** 24" (610 mm) S024X24PS **Polished Stainless** 

FEMPERED

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

# **CRL Glass Mounted Rounded** Corner Square Tube Style Back-to-Back Pull Handle

#### SPECIFICATIONS:

For Use With: 3/8" to 3/4" (10 to 19 mm) Glass Construction: 1" (25 mm) Square Stainless Steel Tubing **Glass Fabrication Required:** Two 5/8" (16 mm) Diameter Holes



2 Each: Through-Bolts for Glass Mounting

Extra bolts available, sold separately:

#### CAT. NO. DESCRIPTION

TB2CH Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass Through-Bolts for 1-3/4" (45 mm) Wood or Metal TB4CH

Door Frames

CAT. NO.	MOUNTING HOLES CENTER-TO-CENTER	FINISH
RST10X10BS	10" (254 mm)	Brushed Stainless
RST10X10PS	10" (254 mm)	Polished Stainless
RST12X12BS	12" (305 mm)	Brushed Stainless
RST12X12PS	12" (305 mm)	Polished Stainless
RST18X18BS	18" (457 mm)	Brushed Stainless
RST18X18PS	18" (457 mm)	Polished Stainless
RST24X24BS	24" (610 mm)	Brushed Stainless
RST24X24PS	24" (610 mm)	Polished Stainless

EMPERED

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

### **CRL Glass Mounted Square** Back-to-Back Pull Handle

SPECIFICATIONS: For Use With: 3/8" to 3/4" (10 to 19 mm) Glass Construction: 1" (25 mm) Square Stainless Steel Tubing **Glass Fabrication Required:** Two 5/8" (16 mm) Diameter Holes

Extra bolts available, sold separately: CAT. NO. DESCRIPTION TB2CH Through-Bolts for 3/8" to 3/4"

(10 to 19 mm) Glass Through-Bolts for 1-3/4" (45 mm) TR4CH Wood or Metal Door Frames



Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

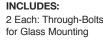


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INCLUDES: 2 Each: Through-Bolts for Glass Mounting







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### **CRL Glass Mounted Ladder Style Back-to-Back Pull Handle With Acrylic** Semi-Inserts

SPECIFICATIONS: For Use With: 3/8" to 3/4" (10 to 19 mm) Glass Construction: 1" (25 mm) Diameter Stainless Steel or Brass Tubing with Acrylic Semi-Insert (White Accent Lines in Acrylic) **Glass Fabrication Required:** Two 5/8" (16 mm) Diameter Holes





#### **INCLUDES:**

- 2 Each: Through-Bolts for Glass Mounting
- 4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets

CAT. NO.	OVERALL LENGTH	MOUNTING HOLES CENTER-TO-CENTER	FINISH
CA18X18BR	24-1/2" (622 mm)	( /	Polished Brass
CA18X18PS	24-1/2" (622 mm)		Polished Stainless

Minimum order: 1 each All Pull Handles can be combined for quantity pricing

### **CRL Glass Mounted Ring Style Back-to-Back** Pull Handle



#### **INCLUDES:**

CAT. NO.

**CR18X18BR** 

**CR18X18PS** 

SPECIFICATIONS:

Steel or Brass Tubing **Glass Fabrication Required:** 

3/8" to 3/4" (10 to 19 mm) Glass

1" (25 mm) Diameter Stainless

Two 5/8" (16 mm) Diameter Holes

For Use With:

Construction:

2 Each: Through-Bolts for Glass Mounting

4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets

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1 1	
	ALL NOT

FINISH

Polished Brass **Polished Stainless** 

### CRL Glass Mounted Ladder **Style Back-to-Back Pull Handle With Acrylic** Full Inserts

#### SPECIFICATIONS: For Use With:

3/8" to 3/4" (10 to 19 mm) Glass Construction: 1" (25 mm) Diameter Stainless Steel or Brass Tubing with Acrylic Full-Insert (Accent Lines in Acrylic) **Glass Fabrication Required:** Two 5/8" (16 mm) Diameter Holes

#### INCLUDES:

- 2 Each: Through-Bolts for Glass Mounting
- 4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets

CAT. NO.	OVERALL LENGTH	MOUNTING HOLES CENTER-TO-CENTER	FINISH
CB18X18BR	27" (685 mm)	18" (457 mm)	Polished Brass
CB18X18PS	27" (685 mm)	18" (457 mm)	Polished Stainless

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

### **CRL Glass Mounted Ladder Style Back-to-Back Pull Handle With Undercut Accent Rings**

SPECIFICATIONS: For Use With: 3/8" to 3/4" (10 to 19 mm) Glass **Construction:** 1" (25 mm) Diameter Stainless Steel or Brass Tubing **Glass Fabrication Required:** Two 5/8" (16 mm) Diameter Holes

#### INCLUDES:

2 Each: Through-Bolts for Glass Mounting

4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets

CAT. NO.	OVERALL LENGTH	MOUNTING HOLES Center-to-center	FINISH
CT18X18BR	25" (635 mm)	18" (457 mm)	Polished Brass
CT18X18PS	25" (635 mm)	18" (457 mm)	Polished Stainless
CT18X18BS	25" (635 mm)	18" (457 mm)	Brushed Stainless

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.



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MOUNTING HOLES CENTER-TO-CENTER

18" (457 mm)

18" (457 mm)

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

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### **CRL Variant Series Adjustable** Mounting Post Style Pull Handles

#### • Adjustable Mounting Posts Can Mount on 6" to 26-3/4" (152 to 679 mm) Centers

CRL Variant Series Adjustable Mounting Post Style Pulls are designed to fit on standard hole patterns of 12", 18", and 24" (305, 457, and 610 mm) centers, but with its adjustable mounting posts, will fit almost any hole pattern from 6" to 26-3/4" (152 to 679 mm) centers. Additional Mounting Posts can also be purchased separately.

#### SPECIFICATIONS:

For Use With: 3/8" to 3/4" (10 to 19 mm) Glass **Construction:** 1" (25 mm) Diameter Stainless Steel Tubing **Glass Fabrication Required:** Two 5/8" (16 mm) Diameter Holes, VPS x 16: 12" (305 mm) Center-to-Center VPS x 22: 18" (457 mm) Center-to-Center VPS x 28: 24" (610 mm) Center-to-Center

NOTE: Hole centers shown are for standard mounting locations. You may vary actual hole centers.

#### **INCLUDES:**

CAT. NO.

**VPS116BS** 

**VPS116PS** 

VPS122BS

**VPS122PS** 

**VPS128BS** 

**VPS128PS** 

2 Fach Through-Bolts for Glass Mounting

ROD LENGTH

16" (406 mm)

16" (406 mm)

22" (559 mm)

22" (559 mm)

28" (711 mm)

28" (711 mm)

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

4 Each: Adjustable Mounting Posts (VP1 or VP2 Depending on Handle Style)



FINISH

**Brushed Stainless** 

**Polished Stainless** 

**Brushed Stainless** 

Polished Stainless

**Brushed Stainless** 

Polished Stainless





Pull Set With VP1 Mounting Posts

Pull Set With VP2 Mounting Posts

#### VARIANT PULL SET WITH VP2 MOUNTING POSTS

CAT. NO.	ROD LENGTH	FINISH
VPS216BS	16" (406 mm)	Brushed Stainless
VPS216PS	16" (406 mm)	Polished Stainless
VPS222BS	22" (559 mm)	Brushed Stainless
VPS222PS	22" (559 mm)	Polished Stainless
VPS228BS	28" (711 mm)	Brushed Stainless
VPS228PS	28" (711 mm)	Polished Stainless
Minimum order: 1 e	ach All Pull Handles can be	combined for quantity pricing

SALUMINUM

Glass Cut-Out and

two holes required

#### ADDITIONAL MOUNTING POSTS

CAT. NO.	TYPE	FINISH	
VP1BS	VP1	Brushed Stainless	
VP1PS	VP1	Polished Stainless	
VP2BS	VP2	Brushed Stainless	
VP2PS	VP2	Polished Stainless	

Minimum order: 1 set. Each set includes: 2 each Through-Bolts for Glass Mounting; 4 each Adjustable Mounting Pos

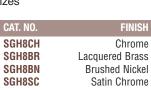
# **CRL Frameless Sliding Door Handle**

 Four Architectural Finishes Available for 1/2" (12 mm) Glass

#### Low Projection Will Not Interfere With Sliding Door Action

**CRL Frameless Sliding Door Handles** feature a low profile projection that will not interfere with the sliding action of the door passing another panel, or even a pocket type installation into the wall. These Handles are available in four stock architectural finishes to complement our Frameless Sliding Door Systems. Custom finishes and custom sizes are also available upon request.

**Glass Fabrication Required:** Glass Cut-Out With Polished Edges; Two 1/2" (13 mm) Diameter Holes



Minimum order: 1 each. Finishes can be combined for quantity pricing.





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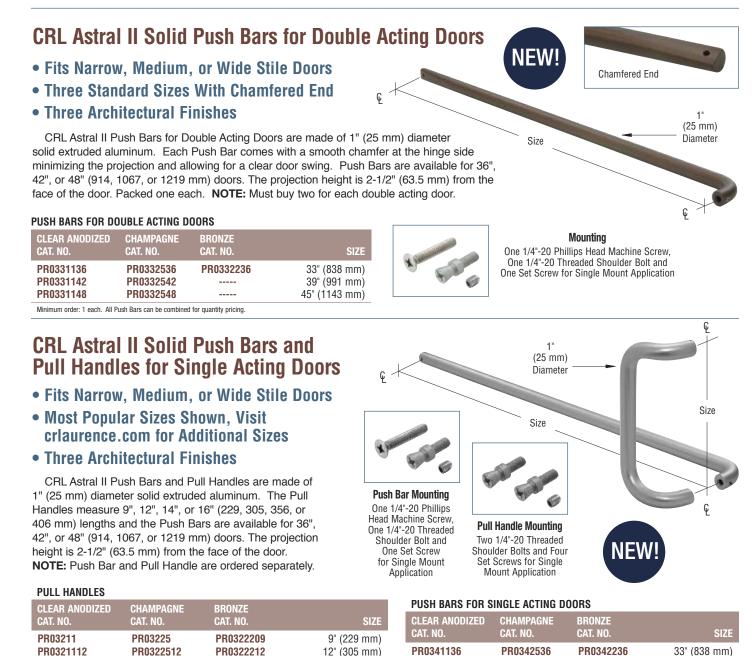
# **CRL COMMERCIAL DOOR HANDLES**

# **CRL Astral II Standard Push/Pull Hardware**

- 1" (25 mm) Diameter Solid Aluminum
- Designed to Fit All Aluminum Doors
- Used on U.S. Aluminum Doors

Push Bars are made from 1" (25 mm) diameter solid aluminum with a 2-1/2" (63.5 mm) projection at lock stile. Pull Handles are made from 1" (25 mm) diameter solid aluminum with a 2-1/2" (63.5 mm) projection. Available in clear anodized, champagne, and bronze finishes. For back-to-back handles you must order a quantity of two.

NOTE: Replacement Threaded Inserts for door stiles are available, see page D444.



14" (356 mm)

16" (406 mm)

PR0341142

PR0341148

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing

D442

PR0322514

PR0322516



PR0321114

PR0321116

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PR0322214

PR0322216

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PR0342242

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39" (991 mm) 45" (1143 mm)

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PR0342542

PR0342548

Minimum order: 1 each. All Push Bars can be combined for quantity pricing

Available in Three Finishes

Single Mount Application

### **CRL Astral II Straight Pull Handles**

- 1" (25 mm) Diameter Solid Aluminum
- Available in Two Lengths
- Two Architectural Finishes
- Replacement for Astral I Hardware

Extruded solid aluminum 1" (25 mm) diameter Astral II Straight Pull Handles have an overall projection height of 2-1/2" (63.5 mm). Handles include mounting hardware for installation. Pull Handles are packed one each.

CLEAR ANODIZED Cat. No.	CHAMPAGNE CAT. NO.	SIZE
PR0221109	PR0222509	9" (229 mm)
PR0221112	PR0222512	12" (305 mm)

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

# CRL Astral II Offset Pull Handles

- 1" (25 mm) Diameter Solid Aluminum
- Available in Four Lengths
- Three Architectural Finishes

Extruded solid aluminum 1" (25 mm) diameter Astral II Offset Pull Handles have an overall projection height of 2-1/2" (63.5 mm) and an offset clearance of 2-1/4" (57 mm). Handles include mounting hardware for installation. Pull Handles are packed one each.

CLEAR ANODIZED	CHAMPAGNE	BRONZE	SIZE
Cat. No.	Cat. No.	Cat. No.	
PR03211	PR03225	PR0322209	9" (229 mm)
PR0321112	PR0322512	PR0322212	12" (305 mm)
PR0321114	PR0322514	PR0322214	14" (356 mm)
PR0321116	PR0322516	PR0322216	16" (406 mm)

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

### CRL Astral II Solid Push Bars for **Single Acting Offset Doors**

- Fits Narrow, Medium, and Wide Stile Doors
- Two Architectural Finishes
- Available in Three Lengths

CRL Astral II Solid Push Bars for Single Acting Doors are made of 1" (25 mm) diameter solid extruded aluminum. The Push Bars are available for 36", 42", or 48" (914, 1067, or 1219 mm) doors. The projection height is 2-1/2" (63.5 mm) from the face of the door. Packed one each.

CLEAR ANODIZED Cat. No.	CHAMPAGNE CAT. NO.	SIZE
PR0311136	PR0312536	33" (838 mm)
PR0311142	PR0312542	39" (991 mm)
PR0311148		45" (1143 mm)



Two 1/4"-20 Threaded Shoulder Bolts and Two Set Screws for Single Mount Application



Minimum order: 1 each. All Push Bars can be combined for quantity pricing.



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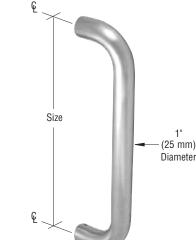
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Ģ Size

NEW

Mounting Two 1/4"-20 Threaded Shoulder Bolts and Four Set Screws for Single

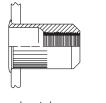
Mount Application

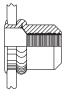




# **Attaching Hardware for Commercial Door Handles**

### How Rivet-Nuts Work





Inserted

Compressed

CRL Rivet-Nuts enable you to fasten Pull Handles, Glass Clamps, Clips or any other fastener requiring threads into hollow metal, which may be too thin for tapped threads. After installation, CRL Rivet-Nuts provide a permanent, captive thread that resists high loads, and will not rotate when a screw or bolt is inserted. No special preparation aside from a drilled or punched hole is required. Installation is made easy with the CRL Cat. No. 34604 Heavy-Duty Thread Insert Tool shown below.



First, drill the appropriate size hole for the Rivet-Nut into your door or drill out the old, stripped thread insert.



Second, insert the Rivet-Nut into the hole until the collar on the Rivet-Nut is against the door's stile



Third, compress the Rivet-Nut by using the CRL Cat. No. 34604 Heavy-Duty Thread Insert Tool



Lastly, insert the screw or bolt into the Rivet-Nut and tighten. The door stile is now ready to receive a Push/Pull Handle.



# **CRL Rivet-Nuts**

#### • 1/4"-20 For Use With Astral II Push/Pull Hardware

#### • Replace Old Stripped Threads

CRL Rivet-Nuts can be used to secure Push/Pull Handles in aluminum framed doors. Simply drill the appropriate size hole, insert Rivet-Nut and compress it with Cat. No. 34604 Heavy-Duty Thread Insert Tool (see below).

CAT. NO.	DESCRIPTION	REQUIRED HOLE
RN1420	1/4"-20 Rivet-Nut	25/64" (10 mm)
ZRNUT	5/16"-18 Rivet-Nut	17/32" (13.5 mm)

Minimum order: 10 each.

# **CRL Heavy-Duty Thread Insert Tool**

• For Installing Larger Size Rivet-Nuts and Thread Inserts

#### • Comes With 1/4"-20 Mandrel and Nosepiece

The CRL Heavy-Duty Thread Insert Tool is supplied with a 1/4"-20 Mandrel and Nosepiece. It will install aluminum or steel Rivet-Nuts and Poly-Nuts. A 5/16"-18 Mandrel and Nosepiece are sold separately. Works well with our Cat. No. RN1420 and Cat. No. ZRNUT Rivet-Nuts (see above). High Speed 17/32" Drill Bit is made of M-7 steel for tough drilling applications. The three-flatted design 1/2" (12.7 mm) shank provides better chuck grip. Overall length is 6" (152 mm).

CAT. NO.	DESCRIPTION
34604 34618 91134	Heavy-Duty Thread Insert Tool 5/16"-18 Mandrel and Nosepiece 17/32" Drill Bit for 5/16"-18 Rivet Nuts
Minimum order: 1 each.	





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CAT. NO. RN1420





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10" CTC

(254 mm)

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8" CTC

(203 mm)

6" CTC (152 mm)

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# CRL 3/4" Diameter Solid Pull Handles

#### • Single-Sided Handles in Three Sizes and **Three Finishes**

CRL 3/4" (19 mm) diameter Solid Pull Handles are made for standard one side mounting. and are supplied with 1/4"-20 thru-bolts and finish washers. Pulls are packed individually.

#### 6" (152 MM) PULL HANDLE

CAT. NO.	FINISH
M163610B	Oil Rubbed Bronze
M163628	Clear Anodized
M163632D	Brushed Stainless

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing



#### 8" (203 MM) PULL HANDLE

CAT. NO.	FINISH
M163810B	Oil Rubbed Bronze
M163828	Clear Anodized
M163832D	Brushed Stainless

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing

#### 10" (254 MM) PULL HANDLE

CAT. NO.	FINISH
M1631010B	Oil Rubbed Bronze
M1631028	Clear Anodized
M1631032D	Brushed Stainless

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing

### **Custom Designed Door Handles**

- For Glass, Wood, or Aluminum Doors
- "Cutting Edge" Laser and Waterjet Capabilities
- Round, Square or Flat Bar Stock
- Solid or Tubular Construction
- Custom Cast Designs
- Metal Etched Logos and Designs
- Bending, Mitering, and Welding
- Unlimited CNC Machined Shapes
- Wide Range of Fastening Options **Including UV Bonding**
- Available in Brass, Bronze, Aluminum, and Stainless Steel
- Brushed, Polished, Etched, or Powder Coated Finishes
- Over 20 Standard Finishes

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Custom Color Matching Available

Let CRL make your idea a reality! Send us your specifications and our Technical Sales Staff will design your custom handles for you. Then our Engineering Staff will supply you with a 3D rendered drawing of your design to ensure we make exactly what you want.

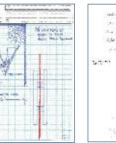
For additional information, or to begin the design process, contact CRL Technical Sales at (800) 421-6144 in the U.S, (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. You can also e-mail us through our web site at crlaurence.com. From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

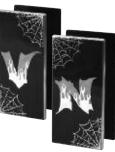
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Reality

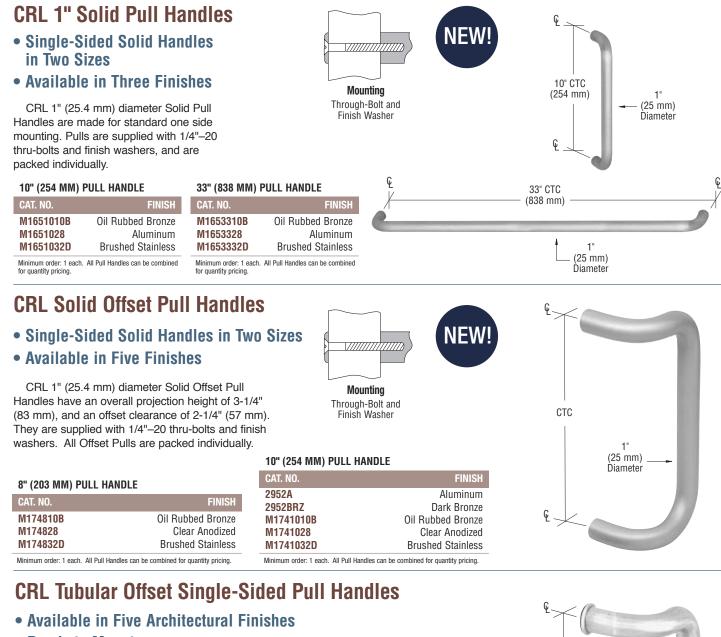


Bending Imagination Design



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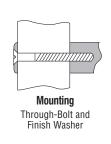


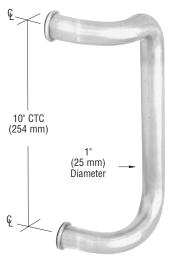


#### • Ready to Mount

Our Tubular Offset Single-Sided Pull Handles are constructed of 1" (25 mm) diameter stainless steel or brass tubing with 1-1/4" (32 mm) diameter matching washers. Choose from five standard architectural finishes to complement any décor. Dimensions: 2" (51 mm) clearance; 3-1/4" (83 mm) projection.

CAT. NO.	FINISH
CD10BS	Brushed Stainless
CD10PS	Polished Stainless
CD10BR	Polished Brass
CD10SA	Satin Anodized
CD10DU	Dark Bronze Anodized





Minimum order: 1 each. All Door Handles can be combined for quantity pricing.



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FINISH

Oil Rubbed Bronze

**Brushed Stainless** 

**Clear Anodized** 

### **CRL Straight Pull Handles Back-To-Back**

#### • 1" (25 mm) Diameter Solid Aluminum

8" (203 MM) PULL HANDLE

CAT. NO.

M2165810B

M2165828

M2165832D

- Available in Two Lengths
- Three Architectural Finishes

Extruded solid aluminum 1" (25 mm) diameter Straight Pull Handles have an overall projection height of 3-1/4" (83 mm). Handle sets include mounting hardware for back-to-back installation. Pull Handle sets are packed one each.





Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

( \_\_\_\_\_

10" (254 MM) PULL HANDLE

CAT. NO.

M21651010B

M21651028

M21651032D

M21741032D

# **CRL Offset Pull Handles Back-To-Back**

- 1" (25 mm) Diameter Solid Aluminum
- Available in Two Lengths
- Five Architectural Finishes

Extruded solid aluminum 1" (25 mm) diameter Offset Pull Handles have an overall projection height of 3-1/4" (83 mm) and an offset clearance of 2-1/4" (57 mm). Handle sets include mounting hardware for back-to-back installation.

Pull Handle sets are packed one ea

ngths inishes				
(25 mm) diameter Offset Pull ction height of 3-1/4" (83 mm) /4" (57 mm). Handle sets r back-to-back installation. ne each. 10" (254 MM) P		Mounting Threaded Shoulder Bolt and Set Screw ULL HANDLE	1" (25 mm) Diameter	стс
	CAT. NO.	FINIS	н	
FINISH Dil Rubbed Bronze Clear Anodized	2952PRA 2952PRBRZ M21741010B M21741028	Aluminur Dark Bronz Oil Rubbed Bronz Clear Anodize	re re	

**Brushed Stainless** 

FINISH

Oil Rubbed Bronze

**Brushed Stainless** 

**Clear Anodized** 

#### 8" (203 MM) PULL HANDLE CAT. NO.

	UAL NO.	T INIST
	M2174810B	Oil Rubbed Bronze
	M2174828	Clear Anodized
	M2174832D	Brushed Stainless
Minimum order: 1 each All Pull Handles can be combined for quantity		All Pull Handles can be combined for quantity pricing

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

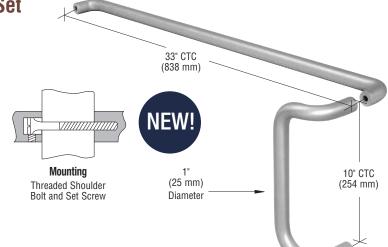
# CRL Solid Push Bar and Pull Handle Set

• Fits 36" (914 mm) Narrow Stile Doors

#### • Five Architectural Finishes

CRL Solid Push Bar and Pull Handle Sets are made of 1" (25 mm) diameter solid extruded aluminum. The Pull Handle measures 10" (254 mm) center-to-center and the Push Bar measures 33" (838 mm) center-to-center. The projection height is 2-1/4" (57 mm) from the face of the door. Packed one set each.

CAT. NO.	FINISH
2958A	Aluminum
2958BRZ	Dark Bronze
M10X3310B	Oil Rubbed Bronze
M10X3328	Clear Anodized
M10X3332D	Brushed Stainless





Minimum order: 1 each. All Pull Handles can be combined for quantity pricing

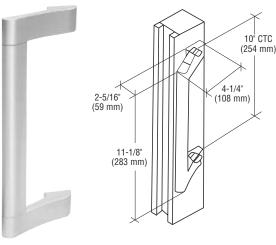
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### **CRL Extruded Aluminum Pull Handles**

#### Solid Extruded Aluminum Handle Mounts to Door With Concealed Fasteners

The Extruded Aluminum Pull Handle comes with two studs that are tapped (1/4-20 thread) into the aluminum door frame on 10" (254 mm) centers. Then the Handle is slipped over the studs and secured with Allen screws to provide a concealed fastener look. Available in choice of satin anodized and dark bronze finishes. One per package.



Pull Handle

# 00 (290 mm) 0 a 0

(50.8 mm)

0

11-7/16"

Mounting Plate

#### **DL915 EXTRUDED ALUMINUM PULL HANDLE**

CAT. NO.	DESCRIPTION	FINISH
DL915A	Pull Handle	Satin Anodized
DL915DU	Pull Handle	Dark Bronze

DL916 OPTIONAL MOUNTING PLATE	
CAT NO	DESCRIPTION

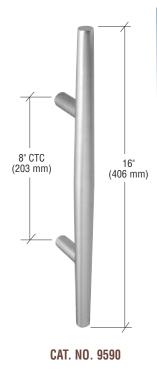
GAI. NO.	DESCRIPTION	FINISH
DL916A DL916DU	Mounting Plate Mounting Plate	Satin Anodized Dark Bronze
Minimum order: 1 each. Finishes	can be combined for quantity pricing.	

Minimum order: 1 each. Finishes can be combined for quantity pricing

# **CRL Tapered Door Pull**

- Solid Pull has Clear **Anodized Brushed Aluminum Finish**
- Complete With **Thru-Bolts** for Mounting

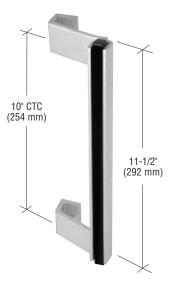
This Tapered Door Pull is made from solid aluminum bar stock, tapered on each end, and has a projection height of 1-1/2" (38.1 mm) from the face of the door. Brushed aluminum finish is clear anodized. Complete with thru-bolts for mounting. Minimum order is one each.



# CRL Entrance Door Pull

- Solid Pull has Clear **Anodized Brushed** Aluminum Finish
- Complete With **Thru-Bolts** for Mounting

This solid aluminum Entrance Door Pull has a black accent strip along the full length of the pull. Projection height is 2-7/8" (73 mm) from the face of the door. Brushed aluminum finish is clear anodized. Complete with thru-bolts for mounting. Minimum order is one each.



CAT. NO. 9561



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### **CRL Extruded Aluminum Door Bumper Bars**

- 3/8" (9.5 mm) Thick **Bumper Bars Help Protect Storefront Doors**

 Available in Three Lengths and Two Finishes

Extruded Aluminum Door Bumper Bars come prepped at each end for use with 1/4" - 20 Sex Bolts, sold separately (see below). Door Bumper Bars assist in preventing damage to door and glass in areas with shopping carts. Bars measure 2" x 3/8" (50.8 x 9.5 mm). One per package.

CAT. NO.	FITS DOORS UP TO	FINISH
P011110036	36" (914 mm) Wide	Satin Aluminum
P011220036	36" (914 mm) Wide	Bronze Anodized
P011110042	42" (1067 mm) Wide	Satin Aluminum
P011220042	42" (1067 mm) Wide	Bronze Anodized
P011110048	48" (1219 mm) Wide	Satin Aluminum
P011220048	48" (1219 mm) Wide	Bronze Anodized

Minimum order: 1 each. All Push Bars can be combined for quantity pricing.

# **CRL Extruded Aluminum Push Bars**

#### Available in **Three Lengths** and Two Finishes

Extruded Aluminum Push Bars for aluminum storefront doors come with a "J" Hook on one end. The opposite end needs to be drilled at time of installation to match application. Bar measures 1/2" x 1-1/4" (12.7 x 31.7 mm). One per package.

CAT. NO.	FITS DOORS UP TO	FINISH
DL9530A	36" (914 mm) Wide	Satin Aluminum
DL9530DU	36" (914 mm) Wide	Bronze Anodized
DL9535A	42" (1067 mm) Wide	Satin Aluminum
DL9535DU	42" (1067 mm) Wide	Bronze Anodized
DL9540A	48" (1219 mm) Wide	Satin Aluminum
DL9540DU	48" (1219 mm) Wide	Bronze Anodized

NEW!

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Minimum order: 1 each. All Push Bars can be combined for quantity pricing.

### **CRL Vinyl Door Jamb Finger Guard**

• Prevents Finger **Entrapment and Injuries** 

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Easy to Install

This CRL Vinyl Door Jamb Finger Guard is designed to be easily applied to the hinge side of the door frame to help reduce injury to fingers. Available in charcoal color. NOTE: Only works on center pivot doors with special frame opening size. Attachment screws not included.

CAT. NO.	FINISH	LENGTH
FP100	Charcoal	96" (2.44 m)
Minimum order: 1 each.		

### **CRL Sex Bolts**



Used for securing push bars, surface mounted door closers, and other fixtures to 1-3/4" (44.5 mm) doors. Knurled barrel fits a 3/8" (9.5 mm) diameter hole. Available in aluminum and bronze finishes. Four bolts per package.

CAT. NO.	THREAD SIZE	FINISH
8025 8025BRZ	1/4" - 20 1/4" - 20	Satin Aluminum Bronze Anodized
Minimum ordor: 1 pack	All Cox Polte can be con	phipod for quantity pricing

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CAT. NO.	FITS DOORS UP TO	
DL9530A	36" (914 mm) Wide	Satin
DL9530DU	36" (914 mm) Wide	Bronz
DL9535A	42" (1067 mm) Wide	Satin
DL9535DU	42" (1067 mm) Wide	Bronz
DL9540A	48" (1219 mm) Wide	Satin



Sex Bolt Mount

J-Hook Mount

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1-5/16

# **CRL Kick Plates** Nine Sizes Available in Four Architectural Finishes Fabricated From Sturdy 18-Gauge Metals Oil Rubbed Bronze Polished Brass **Clear Anodized Brushed Stainles**

CRL Kick Plates and Push Plates are fabricated from sturdy 18-gauge (.050 thickness) metals, and pre-drilled for mounting screws, which are included. The oil rubbed bronze plates are made from aluminum with a very durable powder coated 10B finish; the polished brass plates are made from solid brass with a lacquered finish; aluminum plates are clear anodized; brushed stainless plates are made from solid stainless steel stock One per package.

#### 6" X 34" (152 X 864 MM)

CAT. NO.	FINISH
KP6X3410B	Oil Rubbed Bronze
KP6X343	Polished Brass
KP6X3428	Clear Anodized
KP6X3432D	Brushed Stainless

Minimum order: 1 each. All Kick Plates and Push Plates can be combined for quantity pricing

#### 8" X 30" (203 X 762 MM)

CAT. NO.	FINISH
KP8X3010B	Oil Rubbed Bronze
KP8X303	Polished Brass
KP8X3028	Clear Anodized
KP8X3032D	Brushed Stainless

Minimum order: 1 each. All Kick Plates and Push Plates can be combined for quantity pricing

#### 8" X 40" (203 X 1016 MM)

CAT. NO.	FINISH
KP8X4032D	Brushed Stainless
Minimum order: 1 each. All Kick Plates and Push Plates can be combined for quantity pricing.	

### CRL Push Plates 3-1/2" x 15"

- 18-Gauge Metals
- Four Architectural Finishes
- Pre-Drilled for Included **Mounting Screws**

M60310B M6033PB	Oil Rubbed Bronze Polished Brass
M6033PB	Dolighad Praga
	FUIISIIEU DIASS
M60328	Clear Anodized
M60332D	Brushed Stainless

Minimum order: 1 each. All Kick Plates and Push Plates can be combined for quantity pricing.

#### 8" X 32" (203 X 813 MM)

CAT. NO.	FINISH
KP8X3210B	Oil Rubbed Bronze
KP8X323	Polished Brass
KP8X3228	Clear Anodized
KP8X3232D	Brushed Stainless

Minimum order: 1 each. All Kick Plates and Push Plates can be combined for quantity pricing.

#### 8" X 34" (203 X 864 MM)

CAT. NO.	FINISH
KP8X3410B	Oil Rubbed Bronze
KP8X343	Polished Brass
KP8X3428	Clear Anodized
KP8X3432D	Brushed Stainless

Minimum order: 1 each. All Kick Plates and Push Plates can be combined for quantity pricing

#### 8" X 46" (203 X 1168 MM)

CAT. NO. FINISH KP8X4632D **Brushed Stainless** Minimum order: 1 each. All Kick Plates and Push Plates can be combined for quantity pricing.

#### 10" X 34" (254 X 864 MM)

CAT. NO.	FINISH
KP10X3410B	Oil Rubbed Bronze
KP10X343	Polished Brass
KP10X3428	Clear Anodized
KP10X3432D	Brushed Stainless
Minimum order: 1 each. All Kick Plates and Push Plates can be	

combined for quantity pricing

#### 12" X 34" (305 X 864 MM)

CAT. NO.	FINISH
KP12X3410B	Oil Rubbed Bronze
KP12X343	Polished Brass
KP12X3428	Clear Anodized
KP12X3432D	Brushed Stainless

Minimum order: 1 each. All Kick Plates and Push Plates can be combined for quantity pricing

#### 10" X 46" (254 X 1168 MM)

CAT. NO.	FINISH
KP10X4632D	Brushed Stainless
Minimum order: 1 each. All Kick	Plates and Push Plates can be

combined for quantity pricing 4"

> (102 mm) 16" (406 mm)



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3-1/2" (89 mm)	)
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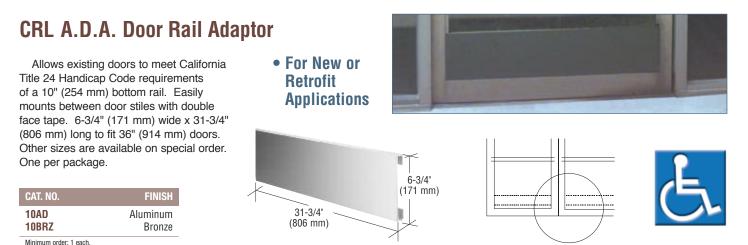
# RL Push Plates 4" x 16"

- **18-Gauge Metals**
- Four Architectural Finishes
- Pre-Drilled for Included **Mounting Screws**

CAT. NO.	FINISH
M60410B	Oil Rubbed Bronze
M6043PB	Polished Brass
M60428	Clear Anodized
M60432D	Brushed Stainless

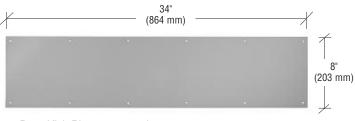
linimum order: 1 each. All Kick Plates and Push Plates can be mbined for quantity pricing.

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### **CRL Door Kick Plates**

- Protects Door Surfaces
- Three Architectural Finishes



Door Kick Plates are used to protect 36" (914 mm) wide door bottoms from scuffing. Comes with pre-drilled mounting holes and all hardware needed to fasten to the door. 3/64" (1.2 mm) thick Plates come one per package.

# CAT. NO. FINISH 37 Satin Aluminum 37SS Brushed Stainless 37PB Polished Brass Minimum order: 1 each. All Kick Plates and Push/Pul Plates can be combined for quantity pricing.

### **CRL Pull Plates**

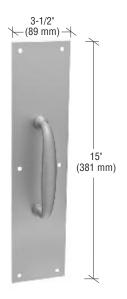
- Three Architectural Finishes
- Heavy Die Cast Handle

This CRL Pull Plate is 3/64" (1.2 mm) thick with a heavy die cast pull handle. It has beveled edges with pre-drilled mounting holes. All mounting hardware is included. One per package.

CAT. NO.	FINISH
57N	Satin Aluminum
57SS	Brushed Stainless
57PB	Polished Brass
Minimum order: 1 each. All Kick Plates and Push/Pull	

Minimum order: 1 each. All Kick Plates and Push/ Plates can be combined for quantity pricing.

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### **CRL Push Plates**

- Protect Door Surfaces
- Three Architectural Finishes

Push Plates eliminate hand prints and scratch marks to the door face. Comes with pre-drilled mounting holes and all hardware needed to fasten to the door. 3/64" (1.2 mm) thick Plates come one per package.

CAT. NO.	FINISH
47	Satin Aluminum
47SS	Brushed Stainless
47PB	Polished Brass
Minimum order: 1 e	each. All Kick Plates and Push/Pull

Plates can be combined for quantity pricing.

### CRL Round Handle Pull Plates

• Three Architectural Finishes

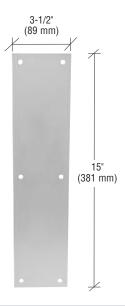
#### • Solid Round Pull Handle

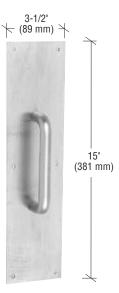
The CRL Round Handle Pull Plate is 3/64" (1.2 mm) thick, with a 3/4" (19 mm) diameter solid round pull handle. All mounting hardware is included. One per package.

FINISH
tin Aluminum
hed Stainless
olished Brass
2

Minimum order: 1 each. All Kick Plates and Push/P Plates can be combined for quantity pricing.

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# **CRL Round Glass Presence Indicator Set**

- For Use on Storefront Panels and Doors
- Easily Installed With Supplied Tape
- Help to Prevent Accidents

CRL Round Glass Presence Indicator Sets are 2" (50.8 mm) in diameter. They are applied to glass panels back-to-back at eye level to warn people of the presence of large glass panels. Easily installed using high bond tape applied to the rear of each Indicator. Each set contains two round discs.







CAT. NO.	FINISH	DIAMETER
RPPBDU	Dark Bronze	2" (50.8 mm
RPPBBS	Brushed Stainless Steel	2" (50.8 mm)
RPPBPS	Polished Stainless Steel	2" (50.8 mm)
RPPBPB	Polished Brass	2" (50.8 mm
RPPBSB	Satin Brass	2" (50.8 mm)

Minimum order: 1 se	. All Indicators can be	e combined for quantity pricing.
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# **CRL Round Push or Pull Indicators**

- Etched Brass or Stainless Steel
- 2" (50.8 mm) Diameter
- Install in Seconds



These CRL 2" (50.8 mm) Round Indicators are made of high quality brass or stainless steel. They are applied using high bond tape that is pre-installed on the back of each Indicator. The etched letters are 5/8" (15.9 mm) high so that they can be easily read. "Push" or "Pull" are sold separately, not in sets.

PULL Cat. No.	PUSH Cat. No.	FINISH	DIAMETER
2EPORBPL	2EPORBPU	Oil Rubbed Bronze	2" (50.8 mm)
2EPBSPL	2EPBSPU	Brushed Stainless Steel	2" (50.8 mm)
2EPPSPL	2EPPSPU	Polished Stainless Steel	2" (50.8 mm)
2EPPBPL	2EPPBPU	Polished Brass	2" (50.8 mm)
2EPSBPL	2EPSBPU	Satin Brass	2" (50.8 mm)

**CRL Round Push-Pull Indicator Sets** 

- One Push and One Pull Indicator Per Set
- Five Architectural Finishes
- 2" (50.8 mm) Diameter



These CRL 2" (50.8 mm) Round Push-Pull Indicator sets are made of high quality brass or stainless steel. They are applied using high bond tape that is pre-installed on the back of each Indicator. The etched letters are 5/8" (15.9 mm) high so that they can be easily read. One set includes one "PUSH" and one "PULL" disc.

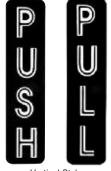
CAT. NO.	FINISH	DIAMETER	
RPP2DU	Dark Bronze	2" (50.8 mm)	
RPP2BS	Brushed Stainless Steel	2" (50.8 mm)	
RPP2PS	Polished Stainless Steel	2" (50.8 mm)	
RPP2PB	Polished Brass	2" (50.8 mm)	
RPP2SB	Satin Brass	2" (50.8 mm)	
Minimum order: 1 set. All Indicators can be combined for quantity pricing.			

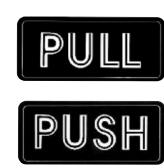
Minimum order: 1 each. All Indicators can be combined for quantity pricing.



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# CRL Push-Pull **Indicator Decals**





Mylar Decals are

**Verv Durable** 

Vertical Style

Horizontal Style

Made of die-cut Mylar, these Decals have a strong adhesive backing so you can stick them on any reasonably smooth metal, glass, plastic or wood surface. Aluminum colored letters on black background. Vertical Dimensions: 5-3/4" (146 mm) high x 1-3/8" (34.9 mm) wide. Horizontal Dimensions: 1-7/8" (47.6 mm) high x 4-1/4" (107.9 mm) wide.

CAT. NO.	TYPE	COLOR	STYLE
566VA	Push	Aluminum/Black	Vertical
566HA	Push	Aluminum/Black	Horizontal
567VA	Pull	Aluminum/Black	Vertical
567HA	Pull	Aluminum/Black	Horizontal
Minimum order: OF a	oob OE por pookogo	All Mular signs can be combined for quantity pricing	

Minimum order: 25 each. 25 per package. All Mylar signs can be combined for quantity pricing

### CRL French and **Spanish Push-Pull Indicator Decals**

 Made From **Durable Mylar** 





Vertical Style

Horizontal Style

Made of die-cut Mylar, these Decals have a strong adhesive backing so you can stick them on any reasonably smooth metal, glass, plastic or wood surface. Aluminum colored letters on black background. Vertical Dimensions: 5-3/4" (146 mm) high x 1-3/8" (34.9 mm) wide. Horizontal Dimensions: 1-7/8" (47.6 mm) high x 4-1/4" (107.9 mm) wide.

PUSH Cat. No.	PULL Cat. No.	LANGUAGE	STYLE
568HS	569HS	Spanish	Horizontal
568VF	569VF	French	Vertical

Minimum order: 1 each. All Push-Pull Signs can be combined for quantity pricing.

### **CRL Etched** Aluminum **Push-Pull Signs**

- Letters Etched in **Aluminum Plates** With Tape Backing for Easy Mounting
- Choose Black on Aluminum or White on Bronze



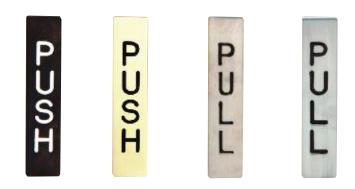
White on Bronze Black on Aluminum

These Push-Pull Signs have letters etched in aluminum. There are two finishes available: aluminum with black letters, and bronze with white letters. Mount with pressure sensitive tape backing. Dimensions: 4-9/16" (115.8 mm) high x 1" (25.4 mm) wide. The letters are 5/8" (15.9 mm) high.

CAT. NO.	TYPE	COLOR	STYLE
1445G	Push	Black on Aluminum	Vertical
1445GW	Push	White on Bronze	Vertical
1446G	Pull	Black on Aluminum	Vertical
1446GW	Pull	White on Bronze	Vertical

# **CRL Push-Pull Indicators**

- Brass or Stainless Steel Plate
- Tape Backing for Easy Mounting



These Push-Pull Indicators have 5/8" (15.9 mm) high letters etched into the plate. They are available in several popular architectural finishes, and each comes complete with pressure sensitive tape on the back for quick and easy mounting. Indicators measure 4-1/2" (114.3 mm) high x 1" (25.4 mm) wide.

PUSH Cat. No.	PULL Cat. No.	FINISH
4EPORBPU	4EPORBPL	Oil Rubbed Bronze
4EPBSPU	4EPBSPL	Brushed Stainless Steel
4EPPSPU	4EPPSPL	Polished Stainless Steel
4EPPBPU	4EPPBPL	Polished Brass
4EPSBPU	4EPSBPL	Satin Brass

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Minimum order: 1 each. All Push-Pull Signs can be combined for quantity pricing.



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# **CRL Glass Safety Decals**

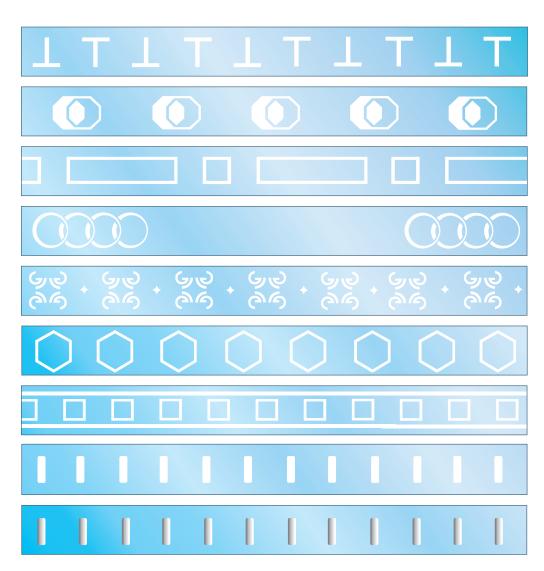
#### • Easy to Apply Decals Reduce the Risk of Injury Due to Accidental Collision With Storefront Panels and Doors

#### • Decals Have "Floating" Appearance

With today's architecture incorporating more glass than ever, it's important to reduce the risk of people being injured by accidental collision with glass panels and doors. CRL Glass Safety Decals installed near eye level give a "floating" appearance that serves to warn pedestrians of the presence of large glass panels and sliding doors.

All Glass Safety Decals are a white color, and use a special dualsided adhesive transfer material which when peeled off leaves only the decal, with no unsightly residue to spoil the 'all-glass' appearance.

Minimum order for Cat. No. 2149 Silver Rectangles is one roll. Minimum order for all others on this page is five each. Our Cat. No.105 Plastic Scraper will give you firm, even pressure as you apply Safety Decals to clean glass.





"Trend" 3/4" x 6-7/8" (19 x 175 mm) CAT. NO. 010323

"Boral" 1-3/16" x 22-1/4" (30 x 566 mm) CAT. NO. 010325

"Bradnams" 1" x 17-3/4" (25 x 451 mm) CAT. NO. 010326

"Dowell" 1-1/2" x 23-1/4" (38 x 590 mm) CAT. NO. 010327

"G. James" 1-7/8" x 21" (48 x 533 mm) CAT. NO. 010328

"Pilkington" 1-3/4" x 22" (44 x 559 mm) CAT. NO. 010330

"Stegbar" 1-3/8" x 22-1/2" (35 x 572 mm) CAT. NO. 010331

"James Hardie" 1" x 23-1/4" (25 x 591 mm) CAT. NO. 010332

"Silver Rectangles"

1" x 5/16" (25 x 8 mm) on a 197" (5 m) Roll **CAT. NO. 2149** 



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# CRL 'Door to Remain Unlocked' Decals for Business Doors

THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS

#### THESE DOORS TO REMAIN UNLOCKED DURING BUSINESS HOURS

Cat. No. 148B0, 149B0, and DL2177HS "During Business Hours"

THIS DOOR TO REMAIN UNLOCKED WHENEVER THE BUILDING IS OCCUPIED

#### THESE DOORS TO REMAIN UNLOCKED WHENEVER THE BUILDING IS OCCUPIED

Cat. No. 146B0 and 147B0 "Whenever the Building is Occupied"

#### Two Varieties Available for Single or Double Doors Adhesive Backed for Fast Installations

The DL2177HS Decal has a solid silver background with black letters: the other Decals have both white letters and black letters with a clear background for use on either light or dark surfaces. Decals can be ordered for either single or double doors. All Decals have adhesive backing for fast installation, and measure 1-1/2" (38.1 mm) high.

CAT. NO.	DESCRIPTION	LENGTH	QTY/PACK	
DL2177HS	Single Door Decal	26" (660 mm)	10*	
148B0	Single Door Decal	24" (610 mm)	1	
149B0	Double Door Decal	25" (635 mm)	1	
146B0	Single Door Decal	25" (635 mm)	1	
147B0	Double Door Decal	26" (660 mm)	1	
Minimum order: 1 each. *10 each for Cat. No. DL2177HS.				

# **CRL Restroom Signs**



CAT. NO. SBH12M

 Easily Installed Without Tools



CAT. NO. SBH08B



CAT. NO. SBH12W

CRL Restroom Signs are molded from 1/4" (6.3 mm) thick high impact polystyrene with 1/8" (3.2 m) thick raised white symbols and letters over a bright blue background. Each Restroom Sign comes complete with pressure sensitive adhesive tape on the back for easy installation on any clean, dry, smooth surface.

	-	
F.	$\mathbf{\dot{\gamma}}$	
	GIRLS	

Bright Blue High Impact Polystyrene With White Symbols

CAT. NO. SBH08G

CAT. NO. SBH12U

CAT. NO.	SIZE	SIGN CAPTION
SBH12M	12" (305 mm) Triangle	Men
SBH08B	12" (305 mm) Triangle	Boys
SBH12W	12" (305 mm) Circle	Women
SBH08G	12" (305 mm) Circle	Girls
SBH12U	12" (305 mm) Circle	Restroom

Minimum order: 1 each

# **CRL Handicap Symbol Decals**

#### Vinyl Decals are Easy to Install

 Single-Sided or Visible From Both Sides of Glass Doors

crlaurence.com

CRL offers two styles of this Handicap Decal. Cat. No. SBH01H is a 2" (50.8 mm) square stencil-cut white decal that you apply to solid doors or restroom signs; Cat. No. 150B0 is a 6" (152.4 mm) square decal that is applied to glass and is visible from both sides. The white symbol is on a blue background.



CAT. NO. 150B0



CAT. NO. SBH01H\* \*Decal Only-Sign Not Included

D455

CAT. NO.	DIMENSIONS	COLOR
150B0	6" (152.4 mm) Square	White on Blue
SBH01H	2" (50.8 mm) Square	White
Minimum order: 1 each		

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# CRL Jackson 10 Series Panic Exit Devices

- Designed for Use With 1-3/4" (44 mm) Narrow, Medium, and Wide Stile Aluminum, Wood, or Hollow Metal Doors
- Available With Crossbar or Engraved "Push" Paddle Operation on Active Side
- Concealed Fastening for Added Security

CRL Jackson Panic Exit Devices are universally recognized as the standard for aluminum storefront hardware. These Exit Devices are designed to withstand wear and tear, yet remain aesthetically pleasing for years to come. Each part is manufactured from the highest quality materials, which are hand fitted and adjusted for a smooth, whisper-quiet operation. CRL Jackson Panic Exit Devices are suitable for use with 1-3/4" (44.5 mm) narrow, medium, and wide stile aluminum, wood, or hollow metal doors. For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., or (877) 421-6144 from Canada, and ask for Ext. 7520. You can also visit our website at crlaurence.com.

#### **CROSSBAR EXIT DEVICES**

CAT. NO.	ТҮРЕ	HANDING	FINISH
311095LC4628	Rim - 'C' Strike	Left Hand-Reverse Bevel	Satin Aluminum
311095RC4628	Rim - 'C' Strike	Right Hand-Reverse Bevel	Satin Aluminum
311095LC4313	Rim - 'C' Strike	Left Hand-Reverse Bevel	Dark Bronze
311095RC4313	Rim - 'C' Strike	Right Hand-Reverse Bevel	Dark Bronze
311095LS4628	Rim - 'S' Strike	Left Hand-Reverse Bevel	Satin Aluminum
311095RS4628	Rim - 'S' Strike	Right Hand-Reverse Bevel	Satin Aluminum
311095LS4313	Rim - 'S' Strike	Left Hand-Reverse Bevel	Dark Bronze
311095RS4313	Rim - 'S' Strike	Right Hand-Reverse Bevel	Dark Bronze
31108547628	Concealed Vert. Rod		Satin Aluminum
31108547313	Concealed Vert. Rod		Dark Bronze

Minimum order: 1 each. All Panic Exit Devices can be combined for quantity pricing

#### PADDI E DEVICES

CAT. NO.	TYPE	HANDING	FINISH	
311095PLC628	Rim - 'C' Strike	Left Hand-Reverse Bevel	Satin Aluminum	
311095PRC628	Rim - 'C' Strike	Right Hand-Reverse Bevel	Satin Aluminum	
311095PLC313	Rim - 'C' Strike	Left Hand-Reverse Bevel	Dark Bronze	
311095PRC313	Rim - 'C' Strike	Right Hand-Reverse Bevel	Dark Bronze	
311085PL7628	Concealed Vert. Rod	Left Hand-Reverse Bevel	Satin Aluminum	
311085PR7628	Concealed Vert. Rod	Right Hand-Reverse Bevel	Satin Aluminum	
311085PL7313	Concealed Vert. Rod	Left Hand-Reverse Bevel	Dark Bronze	
311085PR7313	Concealed Vert. Rod	Right Hand-Reverse Bevel	Dark Bronze	
Minimum order: 1 each. All Paddle Exit Devices can be combined for quantity pricing.				

# **CRL Jackson 10 Series Push-Pad Retrofit Device**

- Sleek, Contemporary Style Push-Pad to Retrofit Existing Jackson 1085 Concealed Vertical Rod **Crossbar Exit Devices**
- Uses Existing 10 Series Rod and Case Assembly
- Easy Installation Cut to Fit

36" DOOR Cat. No.	48" DOOR Cat. No.	HANDING	FINISH
311285RL3628 311285RR3628 311285RL3313 311285RR3313	311285RL4628 311285RR4628 311285RL4313 311285RR4313	Left Hand-Reverse Bevel Right Hand-Reverse Bevel Left Hand-Reverse Bevel Right Hand-Reverse Bevel	Satin Aluminum Satin Aluminum Dark Bronze Dark Bronze
Minimum order: 1 each.			





#### SPECIFICATIONS:

• Stocked in Both 36" (914 mm) and 48" (1219 mm) Widths

#### MATERIALS:

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Base and Push-Pad: Extruded Aluminum

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· Mechanical Components: Stainless and Hardened Plated Steel



#### **C.R. LAURENCE COMPANY**





'C' Strike





















· Wear Points Insulated by Nylon Sleeves and Rollers

Model 1085

#### 1095 Rim Device

 Requires Rim Cylinder for Keyed Entry; See Page D463 for Cylinders

#### · Cylinder Mounting Pad Not Required

- 1085 Concealed Vertical Rod Device
- · Standard Height 84" (2134 mm); See Page D462 for Extensions
- · Requires Mortise Cylinder and No. 30821J Mounting Pad for Keyed Entry;

#### See Page D462-D463 for Cylinders and Pads MATERIALS:

- · Body and Arms: High Tensile Strength Aluminum
- · Mechanical Components: Stainless and Hardened Plated Steel
- Latch and Strikes: Sintered Steel

# **CRL Jackson 1200 Series Panic Exit Devices**

- Designed for Use With 1-3/4" (44 mm) Narrow, Medium, and Wide Stile Aluminum, Wood or **Hollow Metal Doors**
- "Soft-Touch" Smooth Action Push-Pad
- Field Sizeable

This CRL Jackson Exit Device blends the reliability of the timeproven 10 Series Crossbar Device with the sleek, contemporary style of today's modern push-pad exit device. Available in Rim, Concealed, and Surface Vertical Rod versions, this device is suitable for use with 1-3/4" (44.5 mm) narrow, medium, and wide stile aluminum, wood, or hollow metal doors. The base is easily trimmed for field sizing. This Exit Device features an easy to use Hex Key dogging system, and is also available with keyed cylinder dogging.

The 1200 Series touch pad with "Soft-Touch" insert requires slight pressure anywhere on the bar insert for instant release of the locking mechanism. Overall projection is only 2-7/8" (73 mm) from the door surface, and mounting hardware is concealed. For active outside trim and other panic accessories, see pages D461-D463



'C' Strike

'S' Strike

36" (914 MM) DOOR CAT. NO.	48" (1219 MM) Door cat. No.	ТҮРЕ	HANDING	FINISH
31127537628	31127547628	Surface Vertical Rod	Non-Handed	Satin Aluminum
31127537313	31127547313	Surface Vertical Rod	Non-Handed	Dark Bronze
311285L37628	311285L4628	Concealed Vertical Rod	Left Hand-Reverse Bevel	Satin Aluminum
311285R37628	311285R4628	Concealed Vertical Rod	Right Hand-Reverse Bevel	Satin Aluminum
311285L37313	311285L4313	Concealed Vertical Rod	Left Hand-Reverse Bevel	Dark Bronze
311285R37313	311285R4313	Concealed Vertical Rod	Right Hand-Reverse Bevel	Dark Bronze
311295C3628	311295C4628	Rim Device - 'C' Strike	Non-Handed	Satin Aluminum
311295C3313	311295C4313	Rim Device - 'C' Strike	Non-Handed	Dark Bronze
311295S3628	311295S42628	Rim Device - 'S' Strike	Non-Handed	Satin Aluminum
311295S3313	311295S42313	Rim Device - 'S' Strike	Non-Handed	Dark Bronze

Minimum order: 1 each

### **Cylinder Dogging**

crlaurence.com

Cylinder dogging is available when specified by adding "C" behind the model number. The Exit Device is supplied with the required prep and special cam only that is required to be used with a 1-1/4" Mortise Cylinder that is not supplied with the device and must be purchased separately. See DC7205SCK Series on page D463. Example: 312095'C'LC3628

usalum.com



Model 1295

For Pricing Visit crlaurence.com or Call Us Toll Free

#### SPECIFICATIONS:

#### 1275 Surface Vertical Rod Device

- · Stocked in Both 36" (914 mm) and 48" (1219 mm) Widths
- Standard Door Height 84" (2134 mm) Field Sizeable

#### 1285 Concealed Vertical Rod Device

- · Stocked in Both 36" (914 mm) and 48" (1219 mm) Widths
- · Standard Height 84" (2134 mm) -Extension Available; See page D462
- Requires Series 30821J Cylinder Mounting Pad When Using Mortise Cylinder for Keyed Outside Entry; See pages D462-D463

#### 1295 Rim Device

- · Stocked in Both 36" (914 mm) and 48" (1219 mm) Widths
- Surface Mounted Roller Strike Standard
- Requires Rim Cylinder for Keyed Entry; See page D463.

#### MATERIALS:

Base and Push-Pad: Extruded Aluminum Mechanical Components: Stainless and Hardened, Plated Steel Latch and Strikes: Sintered Steel Metal End Caps

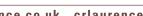


Cylinder Dogging

D457



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# CRL Jackson 20 Series Panic Exit Devices

• Designed for Use With 1-3/4" (44 mm) Narrow, Medium, and Wide Stile Aluminum, Wood, or Hollow Metal Doors

#### Concealed Fastening for Added Security

This CRL Jackson Panic Exit Device is designed to withstand wear and tear, yet remain aesthetically pleasing. Each part is manufactured from the highest guality materials, which are hand fitted and adjusted for a smooth, whisper-quiet operation. The Touch Pad with "Soft-Touch" insert requires only slight pressure anywhere on the bar insert for a smooth release.

Available in both a Rim and Concealed Vertical Rod versions, this device is suitable for use with 1-3/4" (44.5 mm) narrow, medium, and wide stile aluminum, wood, or hollow metal doors. It complies with ANSI 156.3, Grade 1 Specification. For active outside trim and other panic accessories, see pages D461-D463.



#### **CONCEALED VERTICAL ROD EXIT DEVICES**

CONCERNEED VEN					
TOP LATCH CAT. NO.	TOP BOLT Cat. No.	LENGTH – HANDING	FINISH		
312085L37628 312085R37628 312085L37313 312085R37313	312086L37628 312086R37628 312086L37313 312086R37313	36" (914 mm) Left Hand-Reverse Bevel 36" (914 mm) Right Hand-Reverse Bevel 36" (914 mm) Left Hand-Reverse Bevel 36" (914 mm) Right Hand-Reverse Bevel	Satin Aluminum Satin Aluminum Dark Bronze Dark Bronze		
312085L47628 312085R47628 312085L47313 312085R47313	312086L47628 312086R47628 312086L47313 312086R47313	48" (1219 mm) Left Hand-Reverse Bevel 48" (1219 mm) Right Hand-Reverse Bevel 48" (1219 mm) Left Hand-Reverse Bevel 48" (1219 mm) Right Hand-Reverse Bevel	Satin Aluminum Satin Aluminum Dark Bronze Dark Bronze		
Minimum order: 1 each. All Panic Exit Devices can be combined for quantity pricing.					





**RIM EXIT DEVICES** 

TRIKE LENG <sup>*</sup> NO.	rh – Handing	FINISH
<b>095RS3628</b> 36" (9 <b>095LS3313</b> 36" (9	14 mm) Right Hand-Reverse Bevel 14 mm) Left Hand-Reverse Bevel	Satin Aluminum Satin Aluminum Dark Bronze Dark Bronze
<b>095RS4628</b> 48" (1 <b>095LS4313</b> 48" (1	219 mm) Right Hand-Reverse Bevel 219 mm) Left Hand-Reverse Bevel	Satin Aluminum Satin Aluminum Dark Bronze Dark Bronze
	NO.         LENG           095LS3628         36" (9           095RS3628         36" (9           095RS3313         36" (9           095LS3628         36" (9           095LS4628         48" (1           095RS4628         48" (1           095RS4628         48" (1           095LS4628         48" (1	NO.LENGTH – HANDING095LS362836" (914 mm) Left Hand-Reverse Bevel368" (914 mm) Right Hand-Reverse Bevel368" (914 mm) Left Hand-Reverse Bevel368" (914 mm) Right Hand-Reverse Bevel368" (914 mm) Right Hand-Reverse Bevel368" (914 mm) Left Hand-Reverse Bevel368" (914 mm) Left Hand-Reverse Bevel368" (914 mm) Right Hand-Reverse Bevel368" (914 mm) Left Hand-Reverse Bevel368" (914 mm) Left Hand-Reverse Bevel368" (1219 mm

Minimum order: 1 each. All Panic Exit Devices can be combined for quantity pricing.

# Cylinder Dogging

Cylinder dogging is available when specified by adding "C" behind the model number. The Exit Device is supplied with the required prep and special cam only that is required to be used with a 1-1/8" Mortise Cylinder that is not supplied with the device and must be purchased separately. See DC7185SC Series on page D463. Example: 312095'C'LC3628



#### SPECIFICATIONS:

- · Standard for 36" (914 mm) Wide Door Field Sizeable up to 48" (1219 mm) Width Available
- · Concealed Easy to Use Dogging System Optional Cylinder Dogging is Available
- · Wear Points Insulated by Nylon Sleeves and Rollers

#### 2085 Concealed Vertical Rod Device - Top Latch

- · Positive Locking, Spring Loaded Top Latch
- · Standard Height 84" (2134 mm);
- See Page D462 for Extensions
- · Requires Mortise Cylinder and Series 30821J Mounting Pad for Keyed Entry. See Pages D462-D463 for Cylinders and Pads

#### 2086 Concealed Vertical Rod Device - Top Bolt

- Top and Bottom Bolt Action 1/2" (13 mm) Throw Standard Height 84" (2134 mm);
- See Page D462 for Extensions
- · Requires Mortise Cylinder and Series 30821J Mounting Pad for Keyed Entry. See Pages D462-D463 for Cylinders and Pads

#### 20861 Impact Concealed Vertical Rod - Top Bolt

· Available for impact resistant applications under Miami-Dade County rules and regulations governing the use of construction materials when used with properly tested and approved doors. Simply add an "1" behind the model number.

Example: 312086"1"L37628

#### 2095 Rim Device

- · Requires Rim Cylinder for Keyed Entry; See Page D463 for Cylinders
- · Cylinder Mounting Pad Not Required
- 3/4" (19 mm) Throw Deadlocking Latch

#### MATERIALS:

· Body and Push Pad: Extruded Aluminum

- · Mechanical Components: Stainless and Hardened Plated Steel
- · Latch and Strikes: Sintered Steel

Cylinder Dogging Models Available



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# **CRL Jackson Electrified Exit Devices** and Accessories

- Remote Locking and Unlocking Capability
- Solenoid Operated Latch Retraction
- Fit Door Stiles as Narrow as 1-3/4" (44 mm)

### CRL Jackson 20 Series Electrified Exit Devices

- For Aluminum or Hollow Metal Doors
- Ideal for Use With Card Access
- Fail-Secure Operation



#### ELECTRIFIED CONCEALED VERTICAL ROD DEVICES

TOP LATCH Cat. No.	TOP BOLT Cat. No.	HANDING	FINISH	
312085ELG628 312085ERG628	312086ELG628 312086ERG628	Left Hand-Reverse Bevel Right Hand-Reverse Bevel	Satin Aluminum Satin Aluminum	
312085ELG313 312085ERG313	312086ELG313 312086ERG313	Left Hand-Reverse Bevel Right Hand-Reverse Bevel	Dark Bronze Dark Bronze	
Minimum Order: 1 each. F	Minimum Order: 1 each. Finishes and Styles can be combined for quantity pricing.			
ELECTRIFIED RIM EXIT DEVICE				
CAT. NO.	HAN	IDING	FINISH	
312095EC4628	Non-Handed		Satin Aluminum	
312095EC4313	Non	n-Handed	Dark Bronze	
Minimum Order: 1 each. Finishes and Styles can be combined for quantity pricing.				

### **CRL Jackson Electrified Outside Trim**

- Designed for Use With Jackson Exit Devices
- Non-Handed Field Reversible

#### Fail-Secure Operation

FLAT LEVER Cat. No.	ROUND LEVER Cat. No.	FOR USE WITH MODEL	FINISH
8500EL02628	8500EL01628	1285 and 2085 CVR	Satin Aluminum
8500EL02313	8500EL01313	1285 and 2085 CVR	Dark Bronze
9500EL02628	9500EL01628	1295 and 2095 RIM	Satin Aluminum
9500EL02313	9500EL01313	1295 and 2095 RIM	Dark Bronze
	E : 1	n he combined for questity pricing	

Minimum Order: 1 each. Finishes and Styles can be combined for quantity pricing

### CRL Jackson Power Supply

#### Designed for Use With Jackson Electrified Exit Devices

- Powers Up to Two Devices
- Provides 10 Amp Inrush and 5 Amp Hold
- 24V DC Output

eu	EXIL DEVICES	$\Theta \Phi$	
	MAXIMUM WIRE LENG	TH PER GAUGE CHART	
J	WIRE GAUGE	MAX. LENGTH	4
d	16 AWG	40 ft. (12 m)	
	14 AWG	60 ft. (18 m)	
	12 AWG	100 ft. (31 m)	NOTE: Not for Outdoor Use
	Do Not Exceed Maximum Length.		000000000



#### SPECIFICATIONS:

- · Ships Standard for 48" (1219 mm) Wide Door Field Sizeable
- · For Use Down to 36" (914 mm) Wide Doors
- · Wear Points Insulated by Nylon Sleeves and Rollers
- · Adjusts for Brief or Extended Unlock Mode
- 24V DC Input
- · Requires 10 Amp Inrush Power Supply; Jackson 302616 Power Supply Recommended

#### 2085E and 2086E Concealed Vertical Rod Devices

- · Positive Locking, Spring Loaded Top Latch
- Top and Bottom Bolt Action 1/2" (13 mm) Throw
- Standard Height 84" (2134 mm) See Page D462 for Extensions
- · Requires Mortise Cylinder and No. 30821J Mounting Pad for Keyed Entry. See Pages D462 - D463 for Cylinders and Pads

#### 2095E Rim Device

- · Requires Rim Cylinder for Keyed Entry See Page D463 for Cylinders
- · Cylinder Mounting Pad Not Required
- · 3/4" Throw Deadlocking Latch

#### MATERIALS:

- · Body and Push Pad: Extruded Aluminum
- · Mechanical Components: Stainless and Hardened Plated Steel
- · Latch and Strikes: Sintered Steel

#### SPECIFICATIONS:

- · Keyed Entry Requires use of CRL No. DRA10 Mortise Cylinder (Sold Separately See Page D463)
- · ANSI Function 08 Key Locks or Unlocks Lever

#### Solenoid:

- · Input: 24V DC
- · Current Inrush Required: 0.25 Amps
- Continuous Holding: 0.30 Amps

#### MATERIALS:

- · Escutcheon: Extruded Aluminum
- Lever: High Tensile Strength Aluminum
- · Mechanical Components: Hardened, Plated Steel



Round

Flat l ever

D459

Lever

CAT. NO. 302616 Minimum order: 1 each.



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# CRL Jackson 3100 Series Mid-Panel Panic Exit Devices

- Suitable for Use With Narrow, Medium, and Wide Stile Doors
- Non-Protruding Push Pad
- Concealed Vertical Rods
- Top Latch and Top Bolt Models Available
- Satin Aluminum and Dark Bronze Finishes
- UL Listed



#### Push Pad is Identified By an Engraved "Arrow" or "Push"

CRL Jackson® 3100 Series Mid-Panel Exit Devices are designed to provide maximum clearance while maintaining an aesthetically pleasing look. Developed in the Jackson® tradition of high quality and durability, these exit devices are suitable for use with narrow, medium, and wide stile aluminum doors. Devices are handed - not reversible, and provide "dual dogging" which allows the device to be dogged open by either the outside cylinder or by the standard hex key dogging feature.



TOP LATCH	TOP BOLI			
CAT. NO.	CAT. NO.	ENGRAVED	HANDING	FINISH
313185BL7628	313186L7628	Arrow	Left Handed-Reverse Bevel	Satin Aluminum
313185BR7628	313186R7628	Arrow	Right Handed-Reverse Bevel	Satin Aluminum
313185BL7313	313186L7313	Arrow	Left Handed-Reverse Bevel	Dark Bronze
313185BR7313	313186R7313	Arrow	Right Handed-Reverse Bevel	Dark Bronze
313185BPL7628	313186PL7628	Push	Left Handed-Reverse Bevel	Satin Aluminum
313185BPR7628	313186PR7628	Push	Right Handed-Reverse Bevel	Satin Aluminum
313185BPL7313	313186PL7313	Push	Left Handed-Reverse Bevel	Dark Bronze
313185BPR7313	313186PR7313	Push	Right Handed-Reverse Bevel	Dark Bronze

### **Mid-Panel Installation Kit**

Required for New Installations. Contact CRL Technical Sales at Extension 7520 for assistance

#### SPECIFICATIONS:

NEW!

. PUSH

- · For Use With Minimum 1-3/4" (44.5 mm) Narrow, Medium, and Wide Stile Aluminum Doors.
- Concealed Easy to Use Hex Key Dogging or by Outside Cylinder
- Wear Points Insulated by Nylon Sleeves and Rollers
- Available With Either an Engraved "Arrow" or "Push"

#### 3185 Concealed Vertical Rod Device - Top Latch

- · Positive Locking, Spring Loaded Top Latch
- Requires Mortise Cylinder and No. 30821B Mounting Pad for Keyed Entry.

#### See Pages D462-D463 for Cylinders and Pads

- 3186 Concealed Vertical Rod Device Top Bolt Top and Bottom Bolt Action - 1/2" (13 mm) Throw
- Standard Height 84" (2134 mm) See Page D462 for Extensions
- · Requires Mortise Cylinder and No. 30821B Mounting Pad for Keyed Entry.
  - See Pages D462-D463 for Cylinders and Pads

#### MATERIALS:

- Body and Push Pad: Extruded Aluminum
- Mechanical Components: Stainless and Hardened Plated Steel

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Latch and Strikes: Sintered Steel

CAT. NO. 30583628 - Satin Anodized CAT. NO. 30583313 - Dark Bronze



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### **CRL Jackson Locking Lever Outside Trims**

- Flat and Round Levers Available
- Designed for Use With CRL Jackson 1200 and 20 Series Panic Exit Devices
- Fits Narrow, Medium, and Wide Stile Aluminum, Wood or Hollow Metal Doors
- Non-Handed, Field Reversible

The CRL Jackson Locking Lever Outside Trim has a narrow 1-3/4" (44.5 mm) escutcheon that allows it to be used on narrow stile doors. The flat or round style levers are key-controlled, and requires the use of our Cat. No. DRA10 Series Keyed Mortise Cylinder (see page D493), which locks or unlocks the levers (ANSI Function - 08).

FOR USE WITH	FINISH
Model 1275 Surface Vertical Rod Panic Device	Satin Aluminum
Model 1275 Surface Vertical Rod Panic Device	Dark Bronze
Models 1285 and 2085 Concealed Vertical Rod Panic Devices	Satin Aluminum
Models 1285 and 2085 Concealed Vertical Rod Panic Devices	Dark Bronze
Models 1295 and 2095 Rim Panic Devices	Satin Aluminum
Models 1295 and 2095 Rim Panic Devices	Dark Bronze
	Model 1275 Surface Vertical Rod Panic Device Model 1275 Surface Vertical Rod Panic Device Models 1285 and 2085 Concealed Vertical Rod Panic Devices Models 1285 and 2085 Concealed Vertical Rod Panic Devices Models 1295 and 2095 Rim Panic Devices

### **CRL Jackson 896 Removable Mullions**

 For Use With CRL Jackson 1095, 1295, and 2095 Rim Panic Exit Devices

#### Increased Security for Paired Doors

crlaurence.com

Body: Extruded Aluminum Stabilizer: Aluminum

(25 mm)

3-1/2" (89 mm)

Strike: Sintered Steel Mounting Brackets: Bronze

1-3/4" (44 mm)

This extra heavy wall, cross-reinforced, extruded aluminum CRL Jackson Removable Mullion is designed to provide increased security when used with paired doors equipped with latch bolt type Rim Panic Exit Devices.

The 896 Mullion is supplied with a pair of installed strikes and stabilizers to prohibit deflection of the doors. Secure floor and header mounting brackets provide stability and easy removal of the Mullions for increased opening access. Standard height is 96" (2.44 m), and it can be field cut to fit. Optional 120" (3.05 m) height is also available on special order. MATERIALS:

#### 96" (2.44 M) REMOVABLE MULLIONS

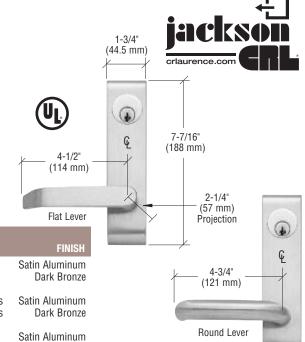
· · ·		
CAT. NO.	FOR USE WITH	FINISH
3089610958628	Model 1095 Rim Panic Device	Satin Aluminum
3089610958313	Model 1095 Rim Panic Device	Dark Bronze
3089612958628	Model 1295 Rim Panic Device	Satin Aluminum
3089612958313	Model 1295 Rim Panic Device	Dark Bronze
3089620958628	Model 2095 Rim Panic Device	Satin Aluminum
3089620958313	Model 2095 Rim Panic Device	Dark Bronze
Minimum order: 1 each. All M	ullions can be combined for quantity pricing.	

#### ACCESSORIES FOR REMOVABLE MULLIONS

CAT. NO.	DESCRIPTION	FINISH
30702626	Top and Bottom Mounting Brackets	Satin Chrome
30702624	Top and Bottom Mounting Brackets	Dark Bronze
30737628	2-Piece Stabilizer for Single Door	Satin Aluminum
30737313	2-Piece Stabilizer for Single Door	Dark Bronze
30703628	4-Piece Stabilizer for Pairs of Doors	Satin Aluminum
30703313	4-Piece Stabilizer for Pairs of Doors	Dark Bronze
Minimum order: 1 each	n. All Accessories can be combined for quantity pricing.	



Top and Bottom Mounting Brackets For Pricing Visit crlaurence.com or Call Us Toll Free at the Phone Numbers Shown on the Back Cover





2-Piece Stabilizer for Single Door



D461

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### **CRL Single Mortise Key Cylinders**

- 1" (25.4 mm) Length 5-Pin Cylinder: 1-5/32" (29.4 mm) Diameter
- AR MS Type Cam
- Core Face and Keys **US26D**





The Single Mortise Key Cylinder comes with two keys in either Schlage "C" or Yale "8" keyway configurations. They are available keyed different or keyed alike in satin aluminum or dark bronze finishes. One per package. Zinc construction.

CAT. NO.	KEYWAY	KEYED	CYLINDER RING*	FINISH
DL2170SCKDA DL2170SCKAA DL2170SCKDDU DL2170SCKADU DL2170Y8KDA DL2170Y8KAA DL2170Y8KADU DL2170Y8KADU DL2170Y8KADU	Schlage "C" Schlage "C" Schlage "C" Schlage "C" Yale "8" Yale "8" Yale "8"	Different Alike Different Alike Different Alike Different Alike	3/16" (4.8 mm) 3/16" (4.8 mm) 3/16" (4.8 mm) 3/16" (4.8 mm) 3/16" (4.8 mm) 3/16" (4.8 mm) 3/16" (4.8 mm)	Satin Aluminum Satin Aluminum Dark Bronze Dark Bronze Satin Aluminum Satin Aluminum Dark Bronze Dark Bronze

Minimum order: 1 each. \*Standard with cylinder. 5/32" and 7/32" rings can be ordered separately. All Mortise Key Cylinders can be combined for quantity pricing.

# **CRL Rim Key Cylinders**

- Low Profile Cylinder Ring and **Adapter Plate Standard**
- Core Face and Keys US26D
- 5-Pin Cylinder



This Rim Key Cylinder comes with two keys in the Schlage "C" keyway configuration. 1-7/8" (47.6 mm) break-away screws and 1-1/4" (31.8 mm) break-away spindle standard. They are available keyed different or keyed alike in satin aluminum or dark bronze finishes. One per package.

CAT. NO.	KEYWAY	KEYED	CYLINDER RING*	FINISH
DL911SCKDA	Schlage "C"	Different	3/32" (2.4 mm)	Satin Aluminum
DL911SCKAA	Schlage "C"	Alike	3/32" (2.4 mm)	Satin Aluminum
DL911SCKDDU	Schlage "C"	Different	3/32" (2.4 mm)	Dark Bronze
DL911SCKADU	Schlage "C"	Alike	3/32" (2.4 mm)	Dark Bronze

Minimum order: 1 each. All Rim Key Cylinders can be combined for quantity pricing.

### **CRL DRA Series Mortise Key Cylinders**

- Supplied With **Longer Cam**
- Brass Construction





This keyed DRA Series Mortise Key Cylinder is supplied with the longer DRA10CAM recommended for use with the CRL Jackson Locking Lever Outside Trim on page D461. Brass construction.

CAT. NO.	KEYWAY	KEYED	CYLINDER RING	FINISH
DRA10KDSA	Schlage "C"	Different	5/32" (4 mm)	Satin Aluminum
DRA10SA	Schlage "C"	Alike	5/32" (4 mm)	Satin Aluminum
DRA10KDDU	Schlage "C"	Different	5/32" (4 mm)	Dark Bronze
DRA10DU	Schlage "C"	Alike	5/32" (4 mm)	Dark Bronze

Minimum order: 1 each. All Mortise Key Cylinders can be combined for quantity pricing.

### CRL DC Series Mortise and Rim **Key Cylinders**



DC7185SCKADU	Alike	1-1/8" (29 mm) - Mortise	Dark Bronze
DC7205SCKDSC DC7205SCKASC DC7205SCKDSC DC7205SCKDSC DC7205SCKADU	Different Alike Different Alike	1-1/4" (32 mm) - Mortise 1-1/4" (32 mm) - Mortise 1-1/4" (32 mm) - Mortise 1-1/4" (32 mm) - Mortise	Satin Chrome Satin Chrome Dark Bronze Dark Bronze
DC7015SC8KDSC DC7015SC8KASC DC7015SC8KDDU DC7015SC8KDDU DC7015SC8KADU	Different Alike Different Alike	1-3/4" Tailpiece - Rim 1-3/4" Tailpiece - Rim 1-3/4" Tailpiece - Rim 1-3/4" Tailpiece - Rim	Satin Chrome Satin Chrome Dark Bronze Dark Bronze

Minimum order: 1 each. All Mortise and Rim Key Cylinders can be combined for quantity pricing.



D463

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**C.R. LAURENCE COMPANY** 

# Von Duprin<sup>®</sup> 33A/35A Series Panic Exit Devices

- Designed for Doors 28" to 48" (711 to 1219 mm) Wide
- Fits Door Stiles as Narrow as 1-3/4" (44 mm)
- Available With Smooth or Grooved Housing
- Non-Handed
- UL Listed and Tested to ANSI A156.3, Grade 1
- "The Quiet One<sup>®</sup> " Technology Eliminates Most Noise Associated With Exit Devices

Von Duprin® designs and manufactures Exit Devices to the highest standards of quality and reliability in accordance with U.S. domestic and international standards. All 33A and 35A Series Exit Devices are UL Listed for Panic Exit Hardware, and are tested in accordance to ANSI A156.3, Grade 1 standards. The Quiet One® technology is furnished on all 33A and 35A Series Exit Devices. A fluid dampener decelerates the pushpad on its return stroke and eliminates most noise associated with exit device operations. For additional information, contact C.R. Laurence Technical Sales at (800) 421-6144, Ext. 7520. You can also visit our web site at crlaurence.com.

### Von Duprin<sup>®</sup> 33A/35A Series **Rim Panic Exit Devices**

- Non-Handed
- One Piece Center Case Cover

The Von Duprin® 33A/35A Series Rim Panic Exit Device is designed with a grooved or smooth case and is intended to fit door stiles as narrow as 1-3/4" (44 mm). The device is supplied with the standard 1439 Roller Strike and Hex Key Dogging.



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35A Series features a smooth mechanism case



**Roller Strike** 

	20		
33A GROOVED	35A SMOOTH	DEVICE	FINISH
Cat. No.	Cat. No.	Length	
33AE03626	35AE03626	36" (914 mm)	Satin Chrome
33AE03313	35AE03313	36" (914 mm)	Dark Bronze
33AE04626	35AE04626	48" (1219 mm)	Satin Chrome
33AE04313	35AE04313	48" (1219 mm)	Dark Bronze
Minimum order: 1 cook	Cizon and finishes can be a	ambined for quantity priving	

#### Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing

DIM EVIT DEVICES

### Von Duprin® 3347A/3547A Series **Concealed Vertical Rod Panic Exit Devices**

- Intended for Use With Single and Double Doors
- Deadlocking, Anti-Friction Top and Bottom Bolt With 5/8" (16 mm) Throw

The Von Duprin® 3347A/3547A Series Concealed Vertical Rod Panic Exit Device is designed to fit door stiles as narrow as 1-3/4" (44 mm). The device is supplied with deadlocking anti-friction top and bottom bolt with a 5/8" (16 mm) throw. The Top Rod is adjustable from 80" (2032 mm) to 100" (2540 mm). Bottom Rod is adjustable from 35-5/8" (905 mm) to 49-5/8" (1260 mm). Extension Rod Kits for doors taller than 100" (2540 mm) are available on special order.

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#### **CONCEALED VERTICAL ROD EXIT DEVICES**

3347A GROOVED	3547A SMOOTH	DEVICE	FINISH
Cat. No.	Cat. No.	Length	
3347AE03626	3547AE03626	36" (914 mm)	Satin Chrome
3347AE03313	3547AE03313	36" (914 mm)	Dark Bronze
3347AE04626	3547AE04626	48" (1219 mm)	Satin Chrome
3347AE04313	3547AE04313	48" (1219 mm)	Dark Bronze
Minimum order: 1 each. S	izes and finishes can be cor	nbined for quantity pricing.	



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**VON DUPRIN** 

Security & Safety

Proven Source. Proven Solutions



### Von Duprin® 3327A/3527A Series **Surface Mounted Vertical Rod Device**

- Intended for Use With Single and Double Doors
- Deadlocking Anti-Friction Top and Bottom Bolt With 5/8" (16 mm) Throw

The Von Duprin® 3327A/3527A Series Surface Vertical Rod Panic Exit Device is designed to fit door stiles as narrow as 1-3/4" (44 mm). The device is supplied with deadlocking anti-friction top and bottom bolt with a 5/8" (16 mm) throw. Top Rod length is 34-15/16" (887 mm). Bottom Rod is 31-1/4" (794 mm). Extension rods for doors taller than 84" (2134 mm) are available on special order.

#### SURFACE MOUNTED VERTICAL ROD DEVICES

3327A GROOVED	3527A SMOOTH	DEVICE	FINISH
Cat. No.	Cat. No.	Length	
3327AE03626	3527AE03626	36" (914 mm)	Satin Chrome
3327AE03313	3527AE03313	36" (914 mm)	Dark Bronze
3327AE04626	3527AE04626	48" (1219 mm)	Satin Chrome
3327AE04313	3527AE04313	48" (1219 mm)	Dark Bronze
Minimum order: 1 each. Size	es and finishes can be combined fo	or quantity pricing.	

# Von Duprin<sup>®</sup> 33A/35A Series Outside Trim Accessories

- For Use With Rim, Concealed Vertical Rod, and Surface Vertical Rod 33A/35A Exit Devices
- Non-Handed, Field Reversible



ANSI Function 08 or 09 - Field Selectable Requires Optional 1-1/4" Mortise Cylinder

360T ANSI Function 11 or 12 - Field Selectable Requires Optional 1-1/4" Mortise Cylinder

NEW

CAT. NO.	DESCRIPTION	FINISH
360L626	ANSI 08 or 09 Entry – Key Locks/Unlocks Lever	Aluminum
360L613	ANSI 08 or 09 Entry – Key Locks/Unlocks Lever	Dark Bronze
360T626	ANSI 11 or 12 Key Locks/Unlocks Thumbturn	Aluminum
360T613	ANSI 11 or 12 Key Locks/Unlocks Thumbturn	Dark Bronze
388NL626	ANSI 03 Night Latch – Key Retracts Latch	Aluminum
388NL613	ANSI 03 Night Latch – Key Retracts Latch	Dark Bronze
DC7205SCKDSC	1-1/4" Mortise Cylinder – Keyed Different	Satin Chrome
DC7205SCKDDU	1-1/4" Mortise Cylinder – Keyed Different	Dark Bronze
DC7015SC8KDSC	Rim Cylinder – Keyed Different	Satin Chrome
DC7015SC8KDDU	Rim Cylinder – Keyed Different	Dark Bronze

Minimum order: 1 each. Finishes and styles can be combined for quantity pricing.

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# **VON DUPRIN**





388NL ANSI Function 03 - Night Latch Requires Optional Rim Cylinder and Pull



Mortise Cylinder



**C.R. LAURENCE COMPANY** 

Rim Cylinder



NFW

Adams Rite

ASSA ABLOY

# CRL Adams Rite® 8000 Series Panic Exit Devices

- Clean. Unobtrusive Design Fits Door Stiles as Narrow as 2" (51 mm)
- Available for Doors 30" to 48" (762 to 1219 mm) Wide
- UL Listed and Tested to ANSI A156.3, Grade 1
- Easy to Install

These Adams Rite Exit Devices combine strength, looks and performance with the slim, clean lines of an extruded aluminum pushbar, giving designers and specifiers flexibility in application, while maintaining consistency in appearance. All Adams Rite Exit Devices are UL listed for Panic Exit hardware, and are tested in accordance to ANSI A156.3, Grade 1 standards. For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., or (877) 421-6144 from Canada, and ask for Ext. 7520. You can also visit our web site at crlaurence.com.

### CRL Adams Rite<sup>®</sup> 8400 Series Mortise Exit Devices

- Heavy-Duty Deadlatching Top Latch
- Designed to Fit Standard Cutout for Adams Rite MS<sup>®</sup> Deadbolt Used on Aluminum Framed Glass Doors

The Adams Rite 8400 Series Stile Mortise Exit Device is intended for use with aluminum storefront doors and fits the standard 1-1/8" (28.6 mm) Backset MS® Deadbolt cutout when used with standard 1-3/4" (44 mm) thick doors. The Exit Device is supplied with standard Hex Key dogging.

#### **8400 MORTISE DEVICES**

LEFT HAND (RHRB)	RIGHT HAND (LHRB)	DEVICE	FINISH
Cat. No.	CAT. NO.	Length	
DH84111L036	DH84111R036	36" (914 mm)	Clear Anodized
DH84122L036	DH84122R036	36" (914 mm)	Dark Bronze Anodized
DH84111L042	DH84111R042	42" (1067 mm)	Clear Anodized
DH84122L042	DH84122R042	42" (1067 mm)	Dark Bronze Anodized
DH84111L048	DH84111R048	48" (1219 mm)	Clear Anodized
DH84122L048	DH84122R048	48" (1219 mm)	Dark Bronze Anodized
Minimum order: 1 each. Include:	s: Panic Device and Strike. Cylinder not inclu	ded. Sizes and finshes can be combin	ed for quantity pricing.



Adams Rite 8400 Mortise Device (Handed)

# CRL Adams Rite® 8600 Series Concealed Vertical Rod Exit Devices

#### Top and Bottom Adjustable Steel Rods

#### Patented Top Latching Mechanism Interlocks Door to Frame

The CRL Adams Rite 8600 Series Concealed Vertical Rod Exit Device is designed to fit door stiles as narrow as 2" (51 mm). The device is supplied with the patented top latching mechanism that utilizes a rotating top bolt which deadlatches around the header strike, interlocking the door to the frame. The top rod is adjustable for use with doors up to 66" (1676 mm) above the selected bar height. Extension Rods for taller doors are available on special order.

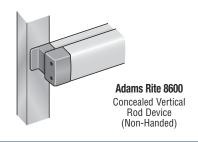
#### 8600 CONCEALED VERTICAL ROD DEVICES

CAT. NO.	DEVICE LENGTH	FINISH
DH8601136	36" (914 mm)	Clear Anodized
DH8602236	36" (914 mm)	Dark Bronze Anodized
DH8601142	42" (1067 mm)	Clear Anodized
DH8602242	42" (1067 mm)	Dark Bronze Anodized
DH8601148	48" (1219 mm)	Clear Anodized
DH8602248	48" (1219 mm)	Dark Bronze Anodized

Minimum order: 1 each. Includes: Panic Device, Rods, and Strike. Mortise Cylinder and Cylinder Pad not included. Sizes and finishes can be combined for quantity pricing

Adams Rite is a registered trademark of Adams Rite Manufacturing Co., an ASSA ABLOY Group Company.







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### CRL Adams Rite® 8800 Series Rim Exit Devices

#### Patented "Starwheel" Bolt Interlocks Door to Frame

The Adams Rite 8800 Series Rim Exit Device features a patented "Starwheel" Bolt Latch design that provides a high level of security. The interlocking noseguard and starwheel bolt close around the strike, locking the starwheel bolt to the strike. The Exit Device is supplied with standard Hex Key dogging.

#### **8800 RIM DEVICES**

CAT. NO.	DEVICE LENGTH	FINISH
DH8801136	36" (914 mm)	Clear Anodized
DH8802236	36" (914 mm)	Dark Bronze Anodized
DH8801142	42" (1067 mm)	Clear Anodized
DH8802242	42" (1067 mm)	Dark Bronze Anodized
DH8801148	48" (1219 mm)	Clear Anodized
DH8802248	48" (1219 mm)	Dark Bronze Anodized
Minimum order: 1 oach	Includes: Papie Davice and Strike Dim Culinder. Not Included: Pair	s of Doors require removable mullion (DH886)

### CRL Adams Rite® 3890 Removable Mullion

For Rim Exit Devices on Paired Doors

#### Available in Two Finishes and Two Lengths

The Adams Rite 3890 Removable Mullion allows the use of Rim Exit Devices on paired doors without narrowing the doors. Provides higher security and better traffic flow than paired doors with Vertical Rod Exit Devices. Available in clear anodized and dark bronze anodized.



Adams Rite

ASSA ABLOY

NEW

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Includes: Mullion, strikes, stabilizers, and mounting clips.

Adams Rite 8800 Rim Device (Non-Handed)

REMOVABLE MULLION		
CAT. NO.	DEVICE LENGTH	FINISH
DH8861196 DH8862296	96" (2438 mm) 96" (2438 mm)	Clear Anodized Dark Bronze Anodized
DH88611120 DH88622120	120" (3048 mm) 120" (3048 mm)	Clear Anodized Dark Bronze Anodized
Minimum order: 1 each.		

FINISH

# CRL Adams Rite® 3080 Series Outside Trim

#### Heavy-Duty Clutch Protects the Locked Lever if Forced Either Up or Down

 Solid Construction Non-Handed



Clutch Lever

This Adams Rite 3080 Series Outside Trim is durable, vandal resistant, and easy to install.

NOTE: Requires Optional 5 Pin Mortise
Cylinder with MS <sup>®</sup> Cam. Sold separately,
see page D493.

DH308103U6	13 ANSI 08	- Key Locks/Unloc	ks Lever	Dark Bronze
DH308103U6	30 ANSI 08	- Key Locks/Unloc	ks Lever	Aluminum

Minimum Order: 1 each. Finishes and styles can be combined for quantity pricing.

DESCRIPTION

Adams Rite is a registered trademark of Adams Rite Manufacturing Co., an ASSA ABLOY Group Company.

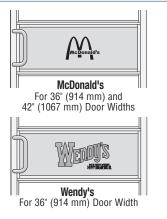
CAT. NO.

### CRL Mid-Panels

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- Designed to be Glazed Into Our Aluminum Framed Doors
- Decorative Logos on Exterior for a **Completely Custom Look**
- Available in Clear and Champagne Finishes
- Fits Up to 48" (1219 mm) Door Widths

CRL Mid-Panels are available in a variety of designs, sizes, and finishes to suit the requirements of aluminum framed doors. Consult with U.S. Aluminum Technical Sales at (800) 262-5151, Ext. 5305 for more information.









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### CRL DL750SV Surface Vertical Rod Panic Exit Device

- For 30" to 36" (762 to 914 mm) Wide Doors
- Door Heights Up to 84" (2134 mm)
- Non-Handed

Our Push-Pad Surface Vertical Rod Panic Exit Device is intended for use with 1-3/4" thick wood or metal doors. Minimum required door stile width is 4-1/4" (108 mm). Panic base can be field sized to fit doors 30" (762 mm) to 36" (914 mm) wide and up to 84" (2134 mm) tall. Panic is field reversible and features an easy to use 3/16" Allen type dogging system. Active Lever Trim is available, see below or install with an optional rim cylinder only. See page D463 for rim cylinder selection.

CAT. NO.	ТҮРЕ	FINISH
DL750SV37A DL750SV37DU	Push-Pad Surface Vertical Rod Push-Pad Surface Vertical Rod	Aluminum Dark Bronze
DL750SV37SS	Push-Pad Surface Vertical Rod	Stainless Steel



Minimum order: 1 each. Finishes can be combined for quantity pricing

# CRL DL770FSV Surface Vertical Rod Fire Exit Device

- For Use With 30" to 36" (762 to 914 mm) Wide Doors Up to 84" (2134 mm) Tall
- Two Finishes Available

• 3 Hour Fire Rated

- Non-Handed • UL Listed
- Our Push-Pad Surface Vertical Rod Panic Exit Device is intended for use with 1-3/4" thick wood or metal doors. This device has a 3 hour fire rating and is UL listed. Minimum required door stile width is 4-1/4" (108 mm). Panic base can be field sized to fit doors 30" (762 mm) to 36" (914 mm) wide and up to 84" (2134 mm) tall. Panic is field reversible. Active Lever Trim is available, see below or install with an optional rim cylinder only.

See page D463 for rim cylinder selection.

CAT. NO.	ТҮРЕ	FINISH
DL770FSV37A DL770FSV37DU	Push-Pad Surface Vertical Rod Push-Pad Surface Vertical Rod	Aluminum Dark Bronze
		Daik Diolize

nimum order: 1 each. Finishes can be combined for quantity pricing

### **CRL Panic Exit Device Trim Accessories** Available as Keyed Entry or Non-Keyed Passage

Our Panic Exit Device Trim is available as keyed locking lever entry trim or as non-keyed passage trim. Finishes available are satin chrome, dark bronze, and aluminum. NOTE: Keyed trim accessories require an optional mortise cylinder. See page D463 for CRL Mortise Cylinder selection.

CAT. NO.	KEYED LOCK	ТҮРЕ	FINISH
DL51ESCSC	Yes	Escutcheon Entry Lever Trim	Satin Chrome
DL51ESCDU	Yes	Escutcheon Entry Lever Trim	Dark Bronze
DL51ESCPASC	No	Escutcheon Passage Entry Lever Trim	Satin Chrome
DL51ESCPADU	No	Escutcheon Passage Entry Lever Trim	Dark Bronze
DL51HSNLA	Yes	Handle Set Night Latch Trim	Aluminum
DL51HSDUMA	No	Handle Set Dummy Trim	Aluminum

Minimum order: 1 each. Finishes and styles can be combined for quantity pricing.







Dummy Trim



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Latch Detail

### **CRL 1900 Narrow Stile Push-Pad Rim Panic Exit Devices**

- For Use With 1-3/4" Narrow, Medium, and Wide Stile Aluminum Doors, Wood or Hollow Metal Doors
- Concealed Fastening for Added Security
- Non-Handed and Reversible
- UL Listed



These CRL 1900 Series Narrow Stile Panic Exit Devices are designed for 1-3/4" (44.5 mm) narrow stile aluminum doors, but can also be used with medium and wide stile aluminum, wood or hollow metal doors. The base is field sizeable, and fits doors 30" to 44" (762 to 1118 mm) wide and 1-3/4" (44.5 mm) thick. Ruggedly constructed with 3/4" (19 mm) throw cast brass latch bolt. Surface mounted adjustable roller strike included. This device is non-handed and is easy to install. For keyed entry, an optional Cat. No. DL911SC Series, or other brand, Rim Cylinder is required (see page D463).

# **CRL Cross Bar Panic Exit Devices**

- Available as Concealed Vertical Rod and Rim Exit Devices
- For Use With Narrow, Medium, and Wide Stile Aluminum Doors or Hollow Metal Doors
- Two Standard Architectural Finishes

CRL's DL1100 Series Cross Bar Panic Exit Devices combine simplicity and durability. This device is a proven product for providing an economical solution to satisfy both security and life safety requirements. Available in both Rim and Concealed Vertical Rod versions, this Exit Device comes with a 42" (1.07 m) length cross bar that can be field cut to fit your exact door size requirements.

CAT. NO.	ТҮРЕ	FINISH
DL1180A	Concealed Vertical Rod	Satin Aluminum
DL1180DU	Concealed Vertical Rod	Dark Bronze
DL1190LHRA	Left Hand-Reverse Bevel Rim	Satin Aluminum
DL1190LHRDU	Left Hand-Reverse Bevel Rim	Dark Bronze
DL1190RHRA	Right Hand-Reverse Bevel Rim	Satin Aluminum
DL1190RHRDU	Right Hand-Reverse Bevel Rim	Dark Bronze

Minimum order: 1 each. All Panic Exit Devices can be combined for quantity pricing.

# **CRL Key Removable Mullion**

crlaurence.com

- For Use on Standard and Fire-Rated Pairs of Doors
- Small Profile Base to Prevent Interference of Doorway
- 11 Gauge, 2" x 3" (51 x 76 mm) Primer Gray Steel Tube

The CRL Key Removable Mullion can be removed in seconds with one key turn, and easily snaps back into place without needing the key. The installation is easy (no drilling of the mullion tube), and can be adapted to any double door application. You can cut to fit almost any size application 8 feet (2.14 m) and smaller. The CRL Key Removable Mullion is designed for heavy-duty use on rim exit devices on standard and fire rated pairs of doors. The Mullion comes with a small profile base plate to prevent interference when moving objects through doorways. Hardware includes shims to ensure an accurate fit and base anchors. Rim Cylinder sold separately Cat. No. DL911SCKDA. Minimum order is one each.

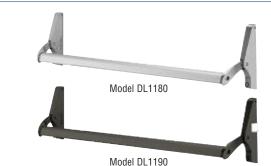
CAT. NO. F90KR



Exit Devices

CAT. NO.TYPEFINISH1900APush-Pad RimSatin Aluminum1900BRZPush-Pad RimDark Bronze

Minimum order: 1 each. All Panic Exit Devices can be combined for quantity pricing.



#### STANDARD FEATURES:

#### **DL1180 Series Concealed Vertical Rod Panics**

- Non-Handed
- · For Use With Standard 1-3/4" (44.5 mm) Thick Doors
- Rod Length to Fit Standard 84" (2134 mm) Tall Doors
- Independent Top and Bottom Bolt Action 1/2" (12.7 mm) Bolt Throw
- Keyed Entry Requires CRL Cat. No. DL913 Cylinder Mounting Pad When Using Optional CRL DL2170 Series, or other brand, Mortise Cylinders (see page D463)

#### **DL1190 Series Rim Panics**

- · Handed, Non-Reversible
- For Use With Aluminum or Hollow Metal Doors
- Standard Surface Mounted Roller Type Rim Strike Supplied
- Keyed Entry Requires Optional CRL DL911SC Series, or other brand, Rim Cylinder (No Mounting Pad Required)



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# **CRL DL950 Push-Pad Rim Panic Exit Devices**

- For Use With Medium and Wide Stile **Aluminum Doors**
- Painted Carbon Steel and Satin Stainless Steel Finishes Available
- Minimum Force Releases Locking Mechanism

Our Push-Pad Rim Panic Devices can be used on either single doors, or double doors with a mullion. Minimum required door stile width is 4-1/4" (108 mm). For your convenience, these Devices come fabricated to 34-7/8" (886 mm) overall length, ready to install on 36" (914 mm) wide doors without any modification, and may be cut down to fit doors as narrow as 30" (762 mm). A dogging feature defeats locking action during business hours. A Blade Strike is included with each Exit Device.

Our Cat. No. DL950SS Satin Stainless Steel Panic Device offers a more durable and attractive architectural finish, but as with the other finishes, the internal components should not be exposed to moisture or a corrosive environment.

For keyed entry, an optional Cat. No. DL911SC Series, or other brand, Rim Cylinder is required (see page D463).

#### **DL950 RIM PANIC DEVICE AND ACCESSORIES**

CAT. NO.	ТҮРЕ	FINISH
DL950A DL950DU DL950SS	Push-Pad Rim Push-Pad Rim Push-Pad Rim	Satin Aluminum Dark Bronze Satin Stainless Steel
DL95STR1KE DL9DKEY	Blade Strike Dogging Key	Black 
DL51LKAA DL51LKADU DL51LKDA DL51LKDDU	Locking Lever Trim - Keyed Alike Locking Lever Trim - Keyed Alike Locking Lever Trim - Keyed Different Locking Lever Trim - Keyed Different	Dark Bronze
Minimum order: 1 eac	h. All Panic Exit Devices can be combined for quantity pri	cina.

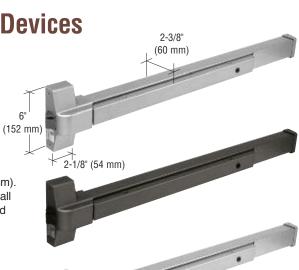
# **CRL Rim Fire Exit Devices**

- For Use With 30" to 36" (762 to 914 mm) Wide Wood or Metal Doors
- Three Hour Fire Rated
- Two Finishes Available
- Non-Handed
- UL Listed

Our Push-Pad Rim Fire Exit Device is intended for use with 1-3/4" thick wood or metal doors. This device has a three hour fire rating and is UL listed. Minimum required door stile width is 4-1/4" (108 mm). Panic base can be field sized to fit doors 30" (762 mm) to 36" (914 mm). Panic is field reversible. Active Lever Trim is available, see page D468, or install with an optional rim cylinder only. See page D463 for DL911SC Rim Cylinder.

**NEW** 

CAT. NO.	ТҮРЕ	FINISH
DL970FA DL970FDU	Push-Pad Rim Fire Push-Pad Rim Fire	Aluminum Dark Bronze
Minimum order: 1 each		







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DL95STR1KE Blade Strike



DL9DKEY 7/32" Dogging Key



DL51LKDA Locking Lever Trim





Double Door

Strike



DL95STR1KE Standard Strike



#### **C.R. LAURENCE COMPANY**

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# **CRL DETEX® V40 Alarmed Rim Exit Devices**

- Grade 1, UL Listed Panic Devices
- Provides Reliable Loss Prevention 24 Hours a Day
- State of the Art Electronics
- Meets ADA Requirements
- Available in 36" and 48" (914 and 1219 mm) Lengths

These CRL DETEX® V40 Alarmed Rim Exit Devices announce door activation with a 100db alarm, helping to control unauthorized exit, and resulting in reduced employee and customer theft.

The V40 is non-handed and is intended for use on doors with a minimum stile of 2-1/2" (64 mm) and a thickness of 1-3/4" (44 mm) to 2-1/4" (57 mm).

The V40 EB Series is designed for climate protected primary and secondary exits, providing security while meeting all life safety concerns. The EB Package contains switch monitors, a push pad, green and red LED, cylinder arming, 9 volt battery, Piezo horn, prep for cylinder dogging, door strike, and push pad signage.

The V40 EBW Series is designed for doors and gates requiring a stand alone, battery powered, alarmed, weatherized panic device. The internal alarm has both remote bypass and remote signaling capabilities. Package includes everything listed for the V40 EB package, plus remote signaling and remote bypass.

NOTE: Device is supplied with prep for a mortise cylinder that functions as both cylinder dogging and arming key. Cylinder is not included with exit device. Requires optional 1-1/8" mortise cylinder with Yale type cam. See CRL Cat. No. DC7185SC Series on page D463.

CAT. NO.	ТҮРЕ	LENGTH
V40EB36	Climate Protected (Indoor)	36" (914 mm)
V40EB48	Climate Protected (Indoor)	48" (1219 mm)
V40EBW36	Weatherized (Indoor/Outdoor)	36" (914 mm)
V40EBW48	Weatherized (Indoor/Outdoor)	48" (1219 mm)

Minimum order: 1 each. All Panic Exit Devices can be combined for quantity pricing. DETEX® is a registered trademark of Detex Corporation.

# **CRL** Doors and Entrance **Systems Catalog**

- All Glass Pivot Doors
- Framed Pivot Doors
- Sliding Doors
- Screen Doors
- Handles and Door Closers

Our CRL14D Doors Catalog features the largest line of 'All Glass' and Framed Pivot Doors, 'All Glass' and Framed Sliding Doors, and Screen Door Systems. We've expanded our selection of architectural metal and glass hardware for the construction of entrances in commercial, retail, and residential buildings. There are over 400 pages of color photos of finished projects, as well as helpful technical data. The CRL14D Doors Catalog is your complete directory to our performance driven entrance systems, ask for your free copy today or view and download at crlaurence.com.



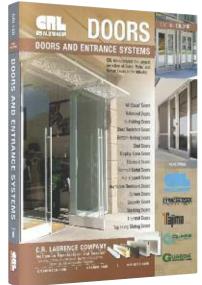
U







Door Strike



CAT. NO. CRL14D



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NEW

Where Trust is Built"

# **CRL DETEX® Battery Alarmed** Exit Control Lock With Short Bar

- UL Listed Panic Hardware
- Meets ADA Requirements
- Single Point, 1" (25 mm) Throw Deadbolt
- Non-Handed

saw resistant.

- Corrosion Resistant Alloy Construction
- 100db Alarm Powered By a 9 Volt Battery

The CRL DETEX® ECL230D Exit Control Lock with Short Bar is a code compliant,

battery alarmed, rugged dead bolt panic device with a steel plate and photo-luminescent

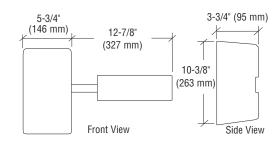
sign providing managed security and a 100 decibel alarm for secondary exits. The alarm is powered by a 9 volt battery which is included in the package. The attack resistant

design withstands over 2200 pounds (998 kg) of outside pull force, and the dead bolt is

but resetting the alarm can only be accomplished with a control key. Cylinder and bar guard sold separately. NOTE: Optional Cylinders available Cat. No. RC65KD for keyed different or Cat. No. RC65KA for keyed alike requirements. Durable steel plate with photo-luminescent sign absorbs light to later "glow in the dark" when lights are dimmed. This easy to install, durable and reliable alarm device provides a simple operation that everyone understands. Fits standard door thicknesses 1-3/4" to 2-1/4" (44 to 57 mm). Device measures 10-3/8" (263 mm) tall, 5-3/4" (146 mm) wide, and 3-3/4" (95 mm)

This non-handed lock accepts 5-pin through 7-pin standard and interchangeable core rim cylinders. Locking and unlocking the dead bolt always arms and disarms the alarm,

Life Safety and Security Door Hardware EMERGENCY EXIT ONLY PUSH HERE ALARM WELL SOUND ECL230D-Short Bar (Cylinder and bar guard sold separately)



CAT. NO.	DESCRIPTION
ECL230D	Exit Control Lock
RC65KD	Key Cylinder Keyed Different
RC65KA	Key Cylinder Keyed Alike
ECL436K	Bar Guard
Minimum order: 1 each.	

# **CRL DETEX® Battery Powered** Surface Mount Exit Alarm

deep, and comes equipped with a 12-7/8" (327 mm) bar.

- UL Listed Fire Door Accessory
- Can Be Door or Wall Mounted
- Tapered Cover Allows for Installation on 2" (51 mm) Minimum Narrow Stile Doors
- 9V DC Battery Operated With Low Battery Alert

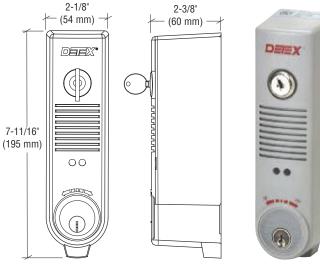
The CRL DETEX® EAX500 Battery Powered Surface Mount Exit Alarm is designed for applications requiring an alarmed exit device on secured doors. The alarm, with approximately 100db, will sound when an unauthorized exit occurs.

The redesigned shape and smaller size of the EAX500 make it the ideal choice for quick and easy installations on emergency exit and restricted doors. Alarm can only be silenced by proper control key. The standard extended bypass feature allows alarm to remain bypassed when door is open, and to automatically re-arm upon door closing. The EAX500 intelligent circuit senses the external magnet location automatically and sets the correct door handing. The patented plastic template allows for foolproof alignment of internal magnetic door contact and accurate installation. NOTE: Keyed Cylinder is not supplied with the alarm and must be purchased separately. Requires optional 1-1/8" mortise cylinder with Yale or MS type cam (see CRL Cat. No. DC7185SCKASC page D463). Longer Cylinders may be used but will require the use of a Cylinder Collar. Minimum order is one each.

NEW!

NEW!

Where Trust is Built" Life Safety and Security Door Hardware



CAT. NO. EAX500

DETEX<sup>®</sup> is a registered trademark of Detex Corporation.

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CSFM

### **CRL SDC Hi/Shear® Electromagnetic** Mortise Mount Shear Lock

- 2000 Pounds of Shear Holding Force
- Fully Automatic 12/24V DC Selection
- Lock and Armature are Mortised

This CRL SDC Hi/Shear® Electromagnetic Mortise Mount Shear Lock is designed for use with single and double metal doors and frames, or glass doors with top rails and metal frames. These compact size Shear Locks are totally concealed locking mechanisms, providing superior security and appearance. Minimum order is one each.

#### SPECIFICATIONS:

Holding Force:2000 lbs. (907 kg)Input Voltage:12/24 Volts DC - Automatic SelectionCurrent Draw:.65A @ 12V DC, .35A @ 24V DC

SDC and Hi/Shear are registered trademarks of Security Door Controls.

### CRL Securitron<sup>®</sup> Shear Aligning Magnalock<sup>®</sup> Mortise Mounted Shear Lock

- Automatic Dual Voltage-12V DC and 24V DC
- 1200 Pounds Holding Force

#### • MagnaCare Lifetime Replacement Warranty

This Securitron<sup>®</sup> brand Electromagnetic Mortise Shear Aligning Magnalock<sup>®</sup> is designed for use with single and double metal doors and frames, or glass doors with top rails and metal frames. These compact size Shear Locks are mortised into the frame, and the strike is concealed into the door frame or rail. This totally concealed locking mechanism is ideal for swing-through and sliding doors, and provides superior security and appearance. Minimum order is one each.

Securitron® and Magnalock are registered trademarks of ASSA ABLOY Group Company.

# Schlage® GF3000 Series Mortise Mounted Shear Locks

usalum.com

- Fully Automatic 12/24V DC Selection
- 3000 Pounds Holding Force

#### Limited Lifetime Warranty

This Mortise Mounted Shear Lock is ideally suited for Herculite type doors with top or bottom rails, as well as commercial grade hollow metal doors and frames. All models offer a built-in automatic relock feature that can be adjusted from 1 to 30 seconds. Universal hardware is included for installation into flush or recessed depth door edge. The "BRD" model is available for floor mounting applications when no top rail mounting is available.

#### SPECIFICATIONS:

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Holding Force: 2700 - 3000 lbs. (1225 - 1361 kg) Input Voltage: 12/24 Volts DC - Automatic Selection Requires a Filtered, Regulated Power Supply Current Draw: .90A @ 12V DC .45A @ 24V DC

) CAT. NO. MOUNTING TYPE GF3000 Top Rail GF3000BRD Bottom Rail Minimum order: 1 each. All Electromagnetic Locks can be combined for quantity pricing.

CAT. NO. GF3000BRD

Schlage is a registered trademark of Ingersoll-Rand pic, its subsidiaries and/or affiliates in the United States and other countries. **NOTE:** For a complete list of accessories, such as Mounting Brackets, Power Supplies, Transformers, and Keypads, see pages D478 to D480.





#### SPECIFICATIONS:

 Holding Force:
 1200 Lbs. (544 kg)

 Input Voltage:
 12/24 Volts DC - Automatic Selection

 Current Draw:
 350mA @ 12V DC

 175mA @ 24V DC
 CAT. NO. S

CAT. NO. SAM1224





**C.R. LAURENCE COMPANY** 



# **CRL Electromagnetic Locks**

- Models for Single and Double Doors
- Energy Efficient
- Low Maintenance No Moving Parts
- Limited Warranty
- UL Listed

Electromagnetic Locks are very efficient because they have low power requirements, plus the absence of moving parts means there is less required maintenance. We can supply single or double magnet models, with a range of holding force to suit a variety of installations.

For additional information, contact Technical Sales at (800) 421-6144 in the U.S., or (877) 421-6144 from Canada, and ask for Ext. 7700. You can also e-mail us through our web site at **crlaurence.com**. From the home page click on Contact Us, and then click on Technical Sales.

# Standard Electromagnetic Locks

- Single or Double Magnets
- Aluminum Housing
- Brushed Aluminum Finish
- Limited Warranty
- UL Listed

These Standard Electromagnetic Locks are constructed with rugged aluminum housings for durability and good looks. Intended for interior use, they have no moving parts, are maintenance free, and will provide superior, long lasting performance.

#### MLST1200U SINGLE MAGNET

Holding Force: 1200 lbs. (544 kg) Dual Voltage: 12/24 Volts DC 12 Volt Current Draw: 500mA 24 Volt Current Draw: 250mA Standard Wiring Unmonitored L = 10-7/16" (265 mm) H = 2-15/16" (75 mm) D = 1-5/8" (41 mm)



#### MLST1202U DOUBLE MAGNET

Holding Force: 1200 lbs. (544 kg) Dual Voltage: 12/24 Volts DC 12 Volt Current Draw: 500mA 24 Volt Current Draw: 250mA Standard Wiring Unmonitored L = 21" (534 mm) H = 2-15/16" (75 mm) D = 1-5/8" (41 mm)



CAT. NO.	MODEL	FINISH
MLST1200U	Single Magnet	Anodized Aluminum
MLST1202U	Double Magnet	Anodized Aluminum
AND THE REPORT OF A DECIDENT OF A		

Minimum order: 1 each. All Electromagnetic Locks can be combined for quantity pricing



### Weatherproof Electromagnetic Lock

- Sealed in a Stainless Steel Housing to Resist Severe Weather Conditions
- For Interior or Exterior Installations
- Limited Warranty
- UL Listed

This Interior or Exterior Electromagnetic Lock is sealed in a stainless steel housing, and is tamperproof and weatherproof even under extreme conditions. With no moving parts, it is maintenance free, and will provide superior, long lasting performance. Minimum order is one each.



**NOTE:** For a complete list of accessories, such as Mounting Brackets, Power Supplies, Transformers, and Keypads, see pages D478-D480.



#### C.R. LAURENCE COMPANY

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SDC1511A Single EMLock®

SDC1512DU Double EMLock®

MODEL

Single Magnet

**Double Magnet** 

DARK BRONZE CAT. NO.

**SDC1511DU** 

**SDC1512DU** 

Minimum order: 1 each. All Electromagnetic Locks can be combined for quantity pricing.

BHMA

LISTED

SPECIFICATIONS:

Single EMLock® Current Draw:

670mA @ 12V DC

350mA @ 24V DC

Weight: 11 lbs. (5 kg)

Double EMLock® **Current Draw:** 

1.34mA @ 12V DC

700mA @ 24V DC

**Dimensions:** 

**Dimensions:** 

Holding Force: 1650 lbs. (748 kg)

(Requires Filtered Power Supply)

L = 11" (279 mm) x H = 2-3/4"

L = 22" (559 mm) x H = 2-3/4"

Weight: 26.5 lbs. (12 kg)

 $(70 \text{ mm}) \times W = 1-9/16'' (40 \text{ mm})$ 

(70 mm) x W = 1-9/16" (40 mm)

Input Voltage: 12/24 Volts DC - Automatic Selection

### CRL SDC EMLock® 1500 Series Electromagnetic Locks

- ANSI/BHMA Grade 1 Compliant
- Fully Automatic 12/24V DC Selection
- 1650 Pounds Holding Force
- Field Upgradeable Without Removing From the Frame
- Anodized Aluminum or Dark Bronze **Anodized Finish**
- Limited Lifetime Warranty

#### • UL Listed

These SDC EMLock® 1500 Series Electromagnetic Locks offer the advantage of being totally adaptable to virtually any application utilizing Top Jamb or Glass Door Kits. With holding forces tested to 1650 pounds, these EMLock® 1500 Series Electromagnetic Locks provide extra high security. The epoxy-less design provides a superior appearance with an anodized aluminum or dark bronze finish on all sides. The interlocking EZ Mount assembly leaves hands free for wiring and securing of mounting screws. EMLocks® are UL Listed and ANSI Grade 1 compliant. Field upgradeable with no need to ever remove a lock from the frame to upgrade or exchange internal components. Self-drilling and tapping sheet metal screws and 10-32 machine screws are included.

SDC and EMLock are registered trademarks of Security Door Controls.

### Schlage<sup>®</sup> M490 Series Electromagnetic Locks

- High Security 1500 Pounds Direct Holding Force
- Fully Automatic 12/24V DC Selection
- Models for Single and Double Doors
- Limited Lifetime Warranty

#### UL Listed

The Schlage® M490 Series surface mounted Electromagnetic Lock is ideal for high security applications. This Lock exceeds UL1034 and ANSI/BHMA A156.23 Grade 1 standards. It provides 1500 pounds direct holding force, and is UL Listed as an Auxiliary Lock for 3-hour fire rated openings and for burglary resistance. This Lock easily interfaces with electronic access control systems, automatic door operators, and fire or other hazard sensing systems for emergency egress.

For additional information, contact Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also e-mail us through our web site at crlaurence.com. From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

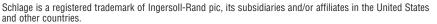


ANODIZED ALUMINUM

CAT. NO.

**SDC1511A** 

**SDC1512A** 





•	CAT. NO.	MODEL	STANDARD FINISH
S,	SCHM490 SCHM492	Single Magnet Double Magnet	Anodized Aluminum Anodized Aluminum
	Minimum order: 1 cook	All Electromegnetic Looks can b	a combined for quantity pricing

Minimum order: 1 each. All Electromagnetic Locks can be combined for quantity pricing.



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SPECIFICATIONS:

SPECIFICATIONS:

**Current Draw:** 

**Dimensions:** 

Input:

Current Draw:

**Dimensions:** 

Input:

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### CRL Electric Solenoid Bolt

- Dual Monitoring Lock
- Selectable Locking Time
- 12 or 24 Volts DC
- UL Listed

This Electric Solenoid Bolt can be used with double acting doors. It features a 0, 2.5, or 5-second locking timer, and dual monitoring capability. Input Voltage can be selected as 12 or 24V DC. The Lock requires that the supplied Strike be properly installed so that the Lock can sense that the door is in the closed position. Brushed stainless cover plate included. Minimum order is one each.

### **CRL Electric Strike**

Non-Handed

#### Finished Faceplate Included

This CRL Electric Strike offers superior strength and smooth operation. The standard Strike is a fail-secure model requiring power to open the latch. Faceplates are available in two standard finishes.

CAT. NO.	FACEPLATE FINISH
ST125A	Aluminum
ST125DU	Dark Bronze
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Minimum order: 1 each. Strikes can be combined for quantity pricing

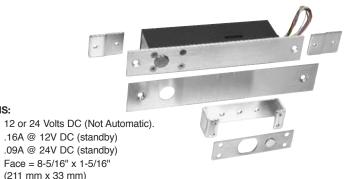
### CRL Adams Rite 74R1 Electric Strike

- For Use With Rim Panic Device Up to 3/4" Latch
- Field Selectable 12/24 Volts AC/DC
- Field Convertible From Fail-Secure to Fail-Safe
- UL Listed for Burglary Resistance

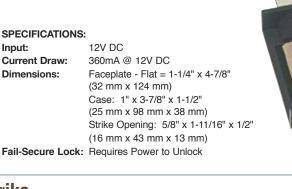
This Adams Rite 74R1 Electric Strike provides for remote electrical actuation to unlock the strike jaw and release the latchbolt for entry without operating the latch. This semi-mortised strike is for Rim Exit Devices having up to a 3/4" (19 mm) Pullman Type latch without auxiliary deadlock latches. Non-handed strike features an ultra-compact design and a stainless steel split-jaw with over 2400 lbs. of holding force. The standard strike is supplied in fail-secure mode, but is field convertible to fail-safe mode. For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., or (877) 421-6144 from Canada, and ask for Ext. 7520. You can also visit our web site at crlaurence.com.

CAT. NO.	FINISH
AR74R1A	Aluminum
AR74R1DU	Dark Bronze
Minimum order: 1 each.	

Adams Rite is a registered trademark of Adams Rite Manufacturing Co., an ASSA ABLOY Group Company.



CAT. NO. MLEDB1





UL Listed for	

Body Depth = 1-3/4'' (44 mm)

Throw = 1" (25 mm) Long x 9/16"

Cover = 8-11/16" x 1-1/2"

(220 mm x 38 mm)

(14.3 mm) Diameter

Fail-Safe Lock: Requires Power to Lock

**Burglary Resistance** 



SPECIFICATIONS: Input: Field Select 12V AC/DC 24V AC/DC Contact Technical Sales for 16V AC/DC Current Draw: .44A @ 12V DC .16A @ 12V AC .23A @ 24V DC .08A @ 24V AC Case: 1" x 3-3/8" x 1-1/16" deep Dimensions: (25 mm x 86 mm x 27 mm) Strike Opening: 5/8" x 1-7/16" x 9/16" (16 mm x 37 mm x 14 mm) Shipped as Fail-Secure Lock: Requires Power to Unlock. Field Convertible to Fail-Safe Mode.





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### **CRL Adams Rite 7100 Electric Strike**

- For Use With Deadlatch and Cylindrical Latches With 1/2" to 5/8" Projection
- Field Convertible From Fail-Secure or Fail-Safe
- 12V DC or 24V DC Models

#### UL Listed for Burglary Resistance

This Adams Rite 7100 Electric Strike provides for remote electrical actuation to unlock the strike jaw and release the latch bolt for entry without operating the latch. This non-handed mortised strike is intended for use with deadlatch type and cylindrical latches with 1/2" (12 mm) to 5/8" (16 mm) projection without deadbolt latches. The standard strike is supplied in fail-secure mode, but is field convertible to fail-safe. For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., or (877) 421-6144 from Canada, and ask for Ext. 7520. You can also visit our web site at crlaurence.com.

#### **ELECTRIC STRIKES**

12V DC Cat. No.	24V DC Cat. No.	FACEPLATE FINISH
7100310A	7100510A	Aluminum
7100310DU	7100510DU	Dark Bronze

Minimum order: 1 each. Strikes can be combined for quantity pricing

#### LIP EXTENSION KITS

JAMB SIZE
4" (102 mm)
4-1/2" (114 mm)
6" (152 mm)

Minimum order: 1 each

### CRL Adams Rite 7160 Electric Strike

- For Use With Mortise and Cylindrical Latch With 3/4" Projection
- Field Convertible From Fail-Secure to Fail-Safe

#### UL Listed for Burglary Resistance

This Adams Rite 7160 Electric Strike provides for remote electrical actuation to unlock the strike jaw and release the latch bolt for entry without operating the latch. The mortised strike is intended for use with mortise and cylindrical latches with 3/4" (19 mm) projection without deadbolt latches. The standard strike is supplied in fail-secure mode, but is field convertible to fail-safe. For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., or (877) 421-6144 from Canada, and ask for Ext. 7520. You can also visit our web site at crlaurence.com.

#### **ELECTRIC STRIKES**

CAT. NO.	FACEPLATE FINISH
7160510A	Aluminum
7160510DU	Dark Bronze

Minimum order: 1 each. Strikes can be combined for quantity pricing.

#### LIP EXTENSION KITS

CAT. NO.	JAMB SIZE
91017205	4" (102 mm)
91017207	4-1/2" (114 mm)
91017213	6" (152 mm)

Minimum order: 1 each

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Adams Rite is a registered trademark of Adams Rite Manufacturing Co., an ASSA ABLOY Group Company.

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SPECIFICATIONS

Current Draw:

**Dimensions:** 

Input:

Burglary Resistance





(16 mm x 37 mm x 13 mm) Shipped as Fail-Secure Lock: Requires Power to Unlock. Field Convertible to Fail-Safe Mode.

12V DC or 24V DC

(32 mm x 124 mm)

Case: 1" x 3-3/8" x 1-5/8"

(25 mm x 86 mm x 41 mm)

Faceplate - Flat = 1-1/4" x 4-7/8'

Strike Opening: 5/8" x 1-7/16" x 1/2"

.33A @ 12V DC

.17A @ 24V DC

The 7100 Electric Strike has a lip of proper length for a 1-3/4" (44 mm) thick door that closes flush with the jamb edge. Where door thickness or jamb depth differs, Lip Extension Kits are available for field modification.





(19 mm x 37 mm x 16 mm) Shipped as Fail-Secure Lock: Requires Power to Unlock. Field Convertible to Fail-Safe Mode.

The standard 7160 Strike has a lip of proper length for a 1-3/4" (44 mm) thick door that closes flush with the jamb edge. Where door thickness or jamb depth differs, Lip Extension Kits are available for field modification.

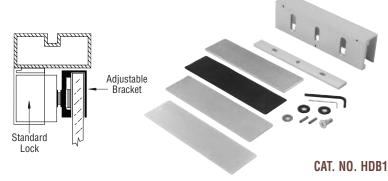




# **CRL SDC Herculite Door Bracket for Electromagnetic Locks**

- Slips Over Top of Herculite Style Doors
- For Use With SDC EMLOCK<sup>®</sup> Series Electromagnetic Locks

This CRL SDC Herculite Door Bracket for Electromagnetic Locks is intended for use with the SDC EMLOCK<sup>®</sup> Series type lock armature when mounting to outswing Herculite Style Doors. Standard finish is 628 satin anodized aluminum. Adjustable brackets and Compression Pads included for use with 1/2" to 3/4"(12 or 19 mm) glass to prevent glass-to-metal contact. Minimum order is one each.



Magnet

Z Bracket

Adjustable "Z & L" Brackets

for Inswing Doors

Dee

Frame

Imature

Picte

# **CRL Magnetic Lock Mounting Brackets**

# • For Use With MLST1200U and MLST1202U Magnetic Locks Only

CRL Adjustable "Z" and "L" Brackets allow mounting of Single and Double Magnetic Locks and Armature Plates on inswing and outswing doors. Sturdy aluminum Brackets are pre-drilled and slotted.

CAT. NO.	CONTENTS
MLBR26 MLBR6	Two 7-1/4" (184 mm) Z-Brackets and One 10-1/2" (266 mm) L-Bracket One 10-1/2" (266 mm) L-Bracket
Minimum order:	1 each. Brackets can be combined for quantity pricing.

# **CRL Surface Mount Armature Housing**

#### • Replacement for Worn or Damaged Magnetic Lock Housings

This CRL Surface Mount Armature Housing is a replacement for worn or damaged Armature Housings in existing openings. Can also be used in new installations to mount a Magnetic Lock on face of top Door Rail. It helps reduce noise and increases overall reliability and product life. Measures 3" x 7-3/4" (76 x 197 mm). Minimum order is one each.

# **CRL SDC Magnetic Lock Mounting Brackets**

#### • For Use With Single SDC1511 or Double SDC1512 Magnetic Locks

These SDC Top Jamb Mounting Brackets fit the SDC1511 Single or SDC1512 Double Magnetic Locks when mounting to the pull side of hollow metal doors or wood openings.

CAT. NO.	APPLICATION
SDCTJ1	For Single Magnetic Lock
SDCTJ2	For Double Magnetic Lock

Minimum order: 1 each

SDC and EMLOCK are registered trademarks of Security Door Controls.



L Brocke

Magnet

#### CAT. NO. MLBR16

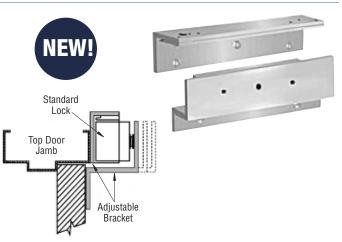
Door

Door

Adjustable " L" Bracket

for Outswing Doors

Frame





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# **CRL ELECTRONIC LOCKS AND ACCESSORIES**

#### For Pricing Visit crlaurence.com or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## **CRL** Power Supplies, **Transformers. and Rectifiers**

Converts 120V AC current to 24V AC (40VA) only. Plugs into a standard wall outlet. Minimum order is one each.

Converts 120V AC current to 12 or 24V AC. Can be mounted to a standard electrical junction box. Minimum order is one each.

2 Amp rated rectifier converts low voltage AC current DC of same voltage. Minimum order is one each.





CAT. NO. DH46200 Plug-in Transformer

Length:

Width:

Heiaht:

#### CAT. NO. DH46100 Transformer

CAT. NO. DH46000 Rectifier

NEW!

#### **CRL Adams Rite Power Transfer** • For Frame to Door Wiring Adams

Provides a secure and unobtrusive means of channeling electrical wiring from the door frame into the door itself. Suitable for doors with butt or continuous hinges or 3/4" (19 mm) offset pivots. NOTE: Not compatible with center pivot hinges.



### CRL Power Supply for Jackson® 20 Series Electrified Panic Exit Devices

- Works With Jackson<sup>®</sup> 20 Series Electrified Panics
- Provides 10 Amp Inrush and 5 Amp Hold

CRL Jackson® Exit Devices are universally recognized as the standard for aluminum storefront hardware. This Power Supply will provide the required 10 amp inrush and 5 amp hold for the operation of all Jackson® 20 Series Electrified Panics. Minimum order is one each.

crlaurence.com



CAT. NO. 302616

Adams Rite is a registered trademark of Adams Rite Manufacturing Co., an ASSA ABLOY Group Company. SDC is a registered trademark of Security Door Controls.

usalum.com

CRL Po	wer Transform	iers
	le in 12 or 24 Vol er Output	t
SPECIFICATIO	ONS	ROCTU WILL
Input Voltage:	120V AC 60hz	
<b>Output Voltag</b>	e: 12V DC 1.5 A	
	24V DC 1.5 A	
Wired Input a	nd Output	
Dimensions:	ST125TR	
Length:	3-1/4" (83 mm)	0
Width:	2-1/4" (57 mm)	
Height:	1-15/16" (49 mm)	CAT. NO.



CAT. NO.	OUTPUT VOLTAGE
ST125TR	12V DC 1.5 A
ST125TR24	24V DC 1.5 A
Minimum order: 1 each. for quantity pricing.	Transformers can be combined

## **CRL Armored Door Loop**

ST125TR24

3-3/8" (86 mm)

2-11/16" (68 mm)

2-3/16" (56 mm)

#### Designed to Carry Low Voltage Cable **Between Door and Frame**

This CRL Armored Door Loop is designed to carry and protect the low voltage or monitoring cable between the door and frame. Standard finish is brushed stainless. 15-3/4" (400 mm) in length. Minimum order is one each.



#### CAT. NO. MLDL101

#### **CRL SDC Low Voltage Regulated Power Supplies** NEW!

Regulated and Filtered

### Three Models Available

These CRL SDC Power Supplies are designed to make it easy and cost effective to power electrical locking systems. They provide regulated, filtered, low voltage DC power to interface with locking devices, station controls, and consoles. Emergency Interface Relay (EIR) Modules provide interface with approved fire or other emergency systems. Output voltage at 12 or 24 Volts DC is field selectable. Built-in battery charging systems allow a constant charge of optional standby battery backups. Tan baked enamel, NEMA Grade 1 approved enclosures all have conduit knockouts and key lock hinged covers.



CAT. NO.	OUTPUT Current	ENCLOSURE Size
PS602RFKL PS632RFKL PS634RFKL	2 Amp	11-1/2" x 11-1/2" x 3-1/2" (292 x 292 x 89 mm) 11-1/4" x 11-1/4" x 3-1/2" (286 x 286 x 89 mm) 16" x 14" x 6-1/2" (406 x 356 x 165 mm)

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Minimum order: 1 each



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# **CRL ELECTRONIC LOCKS AND ACCESSORIES**

## CRL Illuminated Exit Button

#### Narrow Style Illuminated SPDT for Use With **Electric Strikes and Magnetic Locks**

Designed for use with Electric Strikes and Magnetic Locks. Single pole, double throw, double break illuminated switch for momentary or maintained switching. Supplied with a brushed stainless steel faceplate. Minimum order is one each.

#### SPECIFICATIONS Switch Rating: 5A @ 240V AC 6A @ 24V DC Contacts: N.O. or N.C. Dimensions: Faceplate: 1-3/8" x 4" (35 x 102 mm) 1-1/4" (32 mm) Clearance Required Depth:

12-24V AC/DC

Audible Confirmation Buzzer and Status LED's

Box Depth:

SPECIFICATIONS

Current Draw: 30mA Typical,

Temperature: -20°F to +130°F

Input:

Outputs:

Outputs:

Finish:

Dimensions:

N.O. or N.C. - 30V DC Max

1-7/8" (48 mm)

**Brushed Stainless** 

**JECURITRON** 

ASSA ABLOY

SPECIFICATIONS

**Output Relay 5A** 

Non-Volatile Eprom Memory

Programmable N.O. or N.C. Output

Input:

Contacts:



CAT. NO. MLEB4NS

## **CRL Programmable Digital Keypad**

- Designed for Access Control and Security Applications With 100 User Codes
- Four Programmable Code Levels: Master/User/Duress/Quick

#### 12-24V AC/DC Voltage

Designed for access control and security applications with 100 user codes. A self-contained security Keypad with a built-in 5A Relay for Electric Strikes and other security and access control applications. Security is assured with over 100 million possible combinations for the Master, User, Duress, and Quick Codes. This Keypad is supplied complete with junction box and brushed stainless steel faceplate. Minimum order is one each.

## CRL SDC Entry Check® Indoor/Outdoor Heavy-Duty Programmable Keypad

- 500 Users, 1-6 Digit Codes
- Heavy Cast Vandal Resistant Housing
- Surface Mount
- 12/24V AC/DC

The SDC designed Entry Check® Heavy Duty Programmable Keypad is a stand alone digital keypad designed to control access to a single point for facilities with up to 500 users. Keypad entry of a valid one to six digit code activates one or both of the output relays which releases an electric door lock. Heavy cast vandal resistant housing with metal blue backlit keys. Minimum order is one each.

## **CRL Securitron® Exit Motion Sensors**

- Releases Magnetic Lock When Doors are Approached
- Passive Infrared Request-to-Exit

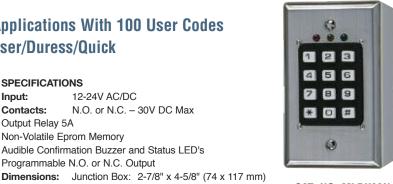
#### Dual 12 or 24 Volts DC

The CRL Securitron® Exit Motion Sensor is specifically designed to reliably release Magnetic Locks. A person approaching the door is detected by the Motion Sensor just before reaching the door. The XMS1224 automatically cuts power to the Lock, allowing the individual to exit. Minimum order is one each.

SDC and Entry Check are registered trademarks of Security Door Controls. Securitron is a registered trademark of ASSA ABLOY Group Company.

#### SPECIFICATIONS

Input: 12V DC or 24V DC, 20-50mA Visible Activation LED Indoor Use Only Adjustable Delay **Dimensions:** L = 7'' (178 mm)H = 1-3/4'' (44 mm)D = 1-7/8" (48 mm)



CAT. NO. MLDK83N

NEW!	123
DNS 12/24V AC/DC	4 5 6
: 30mA Typical, 150mA Maximum	* • •
Relay 1 = SPDT 5A @ 30VDC Relay 2 = SPDT 2A @ 30VDC 3" W x 5-3/4" H x 1-7/16" D	
(76 mm x 146 mm x 37 mm) -20°F to +130°F -30°F to +54°F	

. . /

CAT. NO. SDC920

CAT. NO. XMS1224



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# CRL Heavy-Duty Mortise Lever Lockset

- ANSI A156.13 Series 1000 Grade 1
- 3 Year Warranty
- UL Listed

This CRL Heavy-Duty Commercial Grade 1 Mortise Lever Lockset is easy to install, and comes with detailed installation instructions. It has a 3-hour fire rating and is UL Listed. The lock case features heavy-duty stamped steel construction.

This CRL Commercial Mortise Lever Lockset comes in an ANSI-F20 Entrance Lock Function, and operates in the following fashion:

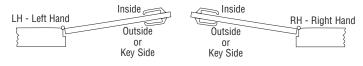
The lever handles will operate the latchbolt from either side or the outside lever can be locked by activating the rocker switch on the edge of the mortise latch (just below the latchbolt). The outside lever remains locked requiring a key to enter or until the rocker switch is returned to the unlock position. The deadbolt can be thrown by thumbturn from the inside or key from the outside. The inside lever is always free to simultaneously retract both the deadbolt and latch for immediate egress with a single turn of the lever.

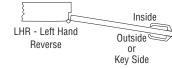
The Lever Lockset is field reversible for Right Hand, Left Hand, Right Hand Reverse, or Left Hand Reverse handing capabilities. Lockset fits 1-3/4" (44.5 mm) door thickness with a 2-3/4" (70 mm) backset. The 1-1/8" (28.5 mm) mortise cylinder has a Schlage "C" 6-pin keyway. Also included is an ANSI 1-1/4" x 4-7/8" (31.8 x 124 mm) curved lip Strike. One per box.

Other functions are available through our special order program. For more information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. You can also send e-mail through our web site at **crlaurence.com**. From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

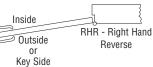
## **Door Handing Capabilities**

Door Handing is Determined from Outside or Key (Secure) Side of the Door.





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CAT. NO.	DESCRIPTION	FINISH
ML9453	Heavy-Duty Mortise Lever Lock	Satin Chrome
Minimum order: 1 each		

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# CRL Commercial Cylindrical and Mortise Lever Locks

- Cylindrical Lever Locks are Non-Handed and Reversible
- For 1-3/8" to 1-3/4" (35 to 44.5 mm) Thick Doors
- Now Available With 6-Pin or 7-Pin SFIC Core Format
- New Finishes Available



Constantly attentive to our customer's needs and requests, we have expanded our Commercial Door Hardware line to include these popular CRL Commercial Cylindrical and Mortise Lever Locks. Our Lever Lock Door Hardware brings a contemporary look to commercial doors. Made of high-grade materials and ruggedly constructed, they will bring years of reliable function and modern beauty to your projects.

INTERIOR	EXTERIOR	FUNCTION ANSI NUMBER	FUNCTION DESCRIPTION
		<b>Entrance</b> F 109	Pushing inside button locks outside trim, requiring key to unlock. Pushing and twisting button locks outside lever and always requires a key to unlatch. Inside lever always allows free egress.
		<b>Storeroom</b> F 86	Outside lever always locked. Key unlatches only. Inside lever always allows free egress.
		<b>Passage</b> F 75	Both levers are always free.
		<b>Privacy</b> F 76	Push button locking from inside. Lock can be opened from outside with narrow flat head screwdriver or by rotating inside lever.
		<b>Entrance</b> F 20	Latchbolt operated by lever from either side, except when outside lever is made inoperative by push button rocker. Deadbolt projected by key from outside and by thumbturn from inside. Deadbolt retracted by key from outside. Both bolts retracted by inside lever with simultaneous retraction.

## CRL Cylindrical Lever Lock Code Compliances

- ANSI A156.2 Grade 1. UL10C and UBC 7.2 for Positive Pressure
- ANSI A117.1 and A.D.A. for Barrier-Free Accessibility
- C-UBC California Amended Uniform Builders Code – 2001
- NFPA-80 National Fire Protection 1999
- NFPA101 National Fire Protection -Life Safety - 2000









### CRL Mortise Lever Lock Code Compliances

- ANSI A156.13 Series 1000 Grade 1 Listed. UL10C and UBC 7.2 for Positive Pressure
- ANSI A117.1 and A.D.A. for Barrier-Free Accessibility
- C-UBC California Amended Uniform Builders Code – 2001
- NFPA-80 National Fire Protection 1999
- NFPA101 National Fire Protection -Life Safety - 2000

For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. You can also e-mail us through our web site at **crlaurence.com**. From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



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## **CRL Heavy-Duty Grade 1 and Grade 2 Lever Locksets - Entrance**

Clutch Feature

#### • 3 Year Warranty

ANSI A156.2 Grade 1 and 2 UL Listed

These CRL Heavy-Duty Commercial Grade 1 and 2 Lever Locksets are non-handed, reversible, and have a clutch feature that disengages the outer lever when the latch is locked. This prevents latch failure when excessive torque is applied to the outer lever in an attempt to force entry.

These Locksets are UL Listed with a 3-hour fire rating, and fit door thicknesses from 1-3/8" to 1-3/4" (35 to 45 mm) with a 2-3/4" (70 mm) backset. Available with either a Schlage 'C' 6-pin keyway or a 7-pin Small Format Interchangeable Core (SFIC) and an ANSI 1-1/4" x 4-7/8" (32 x 124 mm) Strike. NOTE: Locksets are keyed differently.

#### **GRADE 1**

SCHLAGE 6-PIN Cat. No.	7-PIN SFIC Cat. No.	FINISH
D50ENT D50ENTCH	D52ENT D52ENTCH	Brushed Chrome Polished Chrome
D50ENTBN	D52ENTBN	Brushed Nickel
D50ENTPB	D52ENTPB	Polished Brass
D50ENTORB	D52ENTORB	Oil Rubbed Bronze

Minimum order: 1 each. All Lever Locksets can be combined for quantity pricing.

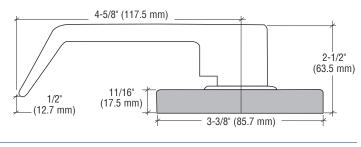
#### **GRADE 2**

SCHLAGE 6-PIN Cat. No.	7-PIN SFIC Cat. No.	FINISH
D55ENT	D57ENT	Brushed Chrome
D55ENTCH	D57ENTCH	Polished Chrome
D55ENTBN	D57ENTBN	Brushed Nickel
D55ENTPB	D57ENTPB	Polished Brass
D55ENTORB	D57ENTORB	Oil Rubbed Bronze
Minimum order: 1 each. All Lever	Locksets can be combined for quantity pri	cinq.









## **CRL Heavy-Duty Grade 1 and Grade 2 Lever Locksets - Storeroom**

#### Clutch Feature

3 Year Warrantv

#### • UL Listed ANSI A156.2 Grade 1 and 2

These CRL Heavy-Duty Commercial Grade 1 and 2 Lever Locksets are non-handed, reversible, and have a clutch feature that disengages the outer lever when the latch is locked. This prevents latch failure when excessive torque is applied to the outer lever in an attempt to force entry.

These Locksets are UL Listed with a 3-hour fire rating, and fit door thicknesses from 1-3/8" to 1-3/4" (35 to 45 mm) with a 2-3/4" (70 mm) backset. Available with either a Schlage 'C' 6-pin keyway or a 7-pin Small Format Interchangeable Core (SFIC) and an ANSI 1-1/4" x 4-7/8" (32 x 124 mm) Strike. NOTE: Locksets are keyed differently.

#### **GRADE 1**

SCHLAGE 6-PIN Cat. No.	7-PIN SFIC Cat. No.	FINISH
D70STR D70STRCH	D72STR D72STRCH	Brushed Chrome Polished Chrome
D70STRBN	D72STRBN	Brushed Nickel
D70STRPB	D72STRPB	Polished Brass
D70STRORB	D72STRORB	Oil Rubbed Bronze

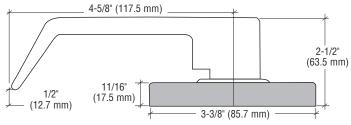
Minimum order: 1 each. All Lever Locksets can be combined for quantity pricing.

#### **GRADE 2**

SCHLAGE 6-PIN Cat. No.	7-PIN SFIC Cat. No.	FINISH
D75STR D75STRCH D75STRBN D75STRPB D75STR0RB	D77STR D77STRCH D77STRBN D77STRPB D77STR0RB	Brushed Chrome Polished Chrome Brushed Nickel Polished Brass Oil Rubbed Bronze
Minimum order: 1 each. All Leve	r Locksets can be combined for quantity pri	cing.



7-Pin SFIC Keyway





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D483



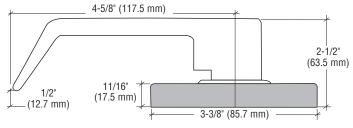
## **CRL Heavy-Duty Grade 1 and Grade 2 Lever Locksets - Passage**

- 3 Year Warranty
- ANSI A156.2 Grade 1 and 2
   UL Listed

These CRL Heavy-Duty Commercial Grade 1 and 2 Lever Locksets are non-handed and reversible. These Locksets are UL Listed with a 3-hour fire rating, and fit door thicknesses from 1-3/8" to 1-3/4" (35 to 45 mm) with a 2-3/4" (70 mm) backset. An ANSI 1-1/4" x 4-7/8" (32 x 124 mm) Strike is included.







## CRL Heavy-Duty Grade 1 and Grade 2 Lever Locksets - Privacy

- Clutch Feature
- ANSI A156.2 Grade 1 and 2
   UL Listed

These CRL Heavy-Duty Commercial Grade 1 and 2 Lever Locksets are non-handed and reversible. These Locksets are UL Listed with a 3-hour fire rating, and fit door thicknesses from 1-3/8" to 1-3/4" (35 to 45 mm) with a 2-3/4" (70 mm) backset. An ANSI 1-1/4" x 4-7/8" (32 x 124 mm) Strike is included.

GRADE 1		GRADE 2	
CAT. NO.	FINISH	CAT. NO.	FINISH
D40PRV D40PRVCH D40PRVBN D40PRVPB D40PRV0RB	Brushed Chrome Polished Chrome Brushed Nickel Polished Brass Oil Rubbed Bronze	D45PRV D45PRVCH D45PRVBN D45PRVPB D45PRV0RB	Brushed Chrome Polished Chrome Brushed Nickel Polished Brass Oil Rubbed Bronze
Minimum order: 1 each. can be combined for qua		Minimum order: 1 each. can be combined for qu	

# CRL Deadlatches, Spring Latches, and Strikes for Lever Locks

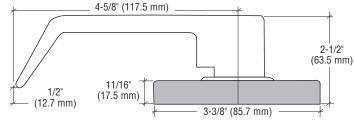
- Non-Handed and Reversible
- ANSI A156.2 Grade 1 and 2
   UL Listed

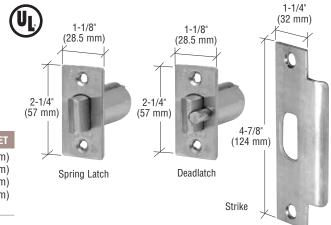
CRL Deadlatches and Spring Latches are made for 2-3/8" (60.3 mm) or 2-3/4" (70 mm) backsets. Both Latches and Strikes are designed to work with the CRL Lever Locksets shown above. One per package.

CAT. NO.	FUNCTION	BACKSET
DL238*	Deadlatch	2-3/8" (60.3 mm)
DL234 SL238	Deadlatch Spring Latch	2-3/4" (70 mm) 2-3/8" (60.3 mm)
SL234	Spring Latch	2-3/4" (70 mm)
PLK1ASA	Strike	

Minimum order: 1 each. Deadlatches, Spring Latches, and Strikes can be combined for quantity pricing. \*ANSI Grade 2.



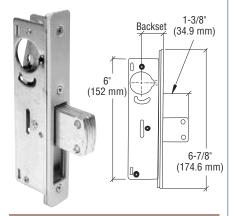






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- 1-3/8" (34.9 mm) Throw
- Cylinder Backsets: 31/32" or 1-1/8" (24.6 or 28.6 mm)
- Throw Bolt Made of 5-Ply Laminated Steel With Center 3-Ply Hardened Case Plus Hardened Roller Pin to Resist Hacksaw
- Lock Accepts Standard 1-5/32" (29.4 mm) Diameter Mortise Key or Thumbturn Cylinders With AR MS-Type Cam
- Faceplate (Optional)



CAT. NO.	BACKSET	HANDED
DL2110A DL2110B	31/32" (24.6 mm) 1-1/8" (28.6 mm)	Non-Handed Non-Handed
Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing.		

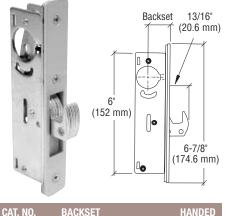
## **CRL Optional Faceplates**



For DL2110 Series Long Throw Deadlocks

### CRL Hook Throw Deadlocks

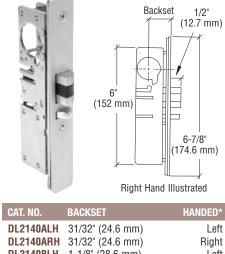
- 13/16" (20.6 mm) Throw
- Cylinder Backsets: 31/32" or 1-1/8" (24.6 or 28.6 mm)
- Throw Bolt Made of 5-Ply Laminated Steel With Center 3-Ply Hardened Case Plus Hardened Roller Pin to Resist Hacksaw
- Lock Accepts Standard 1-5/32" (29.4 mm) Diameter Mortise Key or Thumbturn Cylinders With AR MS-Type Cam
- Faceplate (Optional)



DL2130A 31/32" (24.6 mm) Non-Handed DL2130B 1-1/8" (28.6 mm) Non-Handed Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing.

CRL	Deadlatch	
Lock		

- 1/2" (12.7 mm) Throw
- Cylinder Backsets: 31/32" or 1-1/8" (24.6 or 28.6 mm)
- Field Reversible for Opposite Hand
- Key Controlled Dogging
- Lock Accepts Standard 1-5/32" (29.4 mm) Diameter Mortise Key or Thumbturn Cylinders With AR MS-Type Cam
- Faceplate and Strike (Optional)



DL2140ARH	31/32" (24.6 mm)	Right
DL2140BLH	1-1/8" (28.6 mm)	Left
DL2140BRH	1-1/8" (28.6 mm)	Right
Minimum order: 1 apph. All Doodlooks and Ecospletes can be combined for		

quantity pricing. \* See page D487 for Handing Chart.

# For Use With All Deadlocks and Deadlatch Locks Above All Faceplates Measure 1" x 6-7/8" (25.4 x 174.6 mm)





For DL2130 Series Hook Throw Deadlocks

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For DL2140 Series Deadlatch Locks

	Faceplate Styles					
		Flat	Radius	Radius Weatherstripped	Left Hand Beveled *	Right Hand Beveled *
LOCK SERIES	FINISH	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
DL2110	Aluminum	DL2111A	DL2112A	DL2113A	DL2114A	DL2115A
DL2110	Dark Bronze	DL2111DU	DL2112DU	DL2113DU	DL2114DU	DL2115DU
DL2130	Aluminum	DL2131A	DL2132A	DL2133A	DL2134A	DL2135A
DL2130	Dark Bronze	DL2131DU	DL2132DU	DL2133DU	DL2134DU	DL2135DU
DL2140	Aluminum	DL2141A	DL2142A	DL2143A	DL2144A	DL2145A
DL2140	Dark Bronze	DL2141DU	DL2142DU	DL2143DU	DL2144DU	DL2145DU

Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing. \* See page D487 for Handing Chart.

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quantity pricing. \* See page D487 for Handing Chart.

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**CRL Adams Rite** 

**Deadlatch Locks** 

• 1/2" (12.7 mm) Throw

• Cylinder Backsets: 31/32" or

1-1/8" (24.6 or 28.6 mm)

Field reversible for opposite hand.

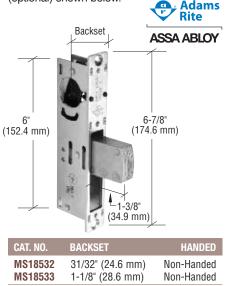
Key-controlled dogging. Lock accepts

standard 1-5/32" (29.4 mm) diameter

### CRL Adams Rite Long Throw Deadlocks

- 1-3/8" (34.9 mm) Throw
- Cylinder Backsets: 31/32" or 1-1/8" (24.6 or 28.6 mm)

Throw bolt made of 8-ply laminated stainless steel. Center ply has aluminaceramic core to defeat any hacksaw attack, including rod-type "super hacksaws". Lock accepts standard 1-5/32" (29.4 mm) diameter mortise key or thumbturn cylinders with AR MS-Type Cam. Faceplates (optional) shown below.



#### Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing. Faceplates sold separately.

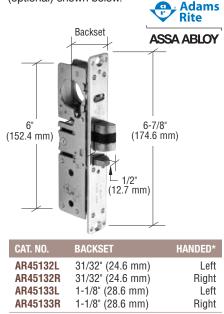
## CRL Adams Rite Hook Throw Deadlocks

- 13/16" (20.6 mm) Throw
- Cylinder Backsets: 31/32" or 1-1/8" (24.6 or 28.6 mm)

Throw bolt made of 8-ply laminated stainless steel. Center ply has alumina-ceramic core to defeat any hacksaw attack, including "super hacksaws". Hook shape repels prybar attempts. Lock accepts standard 1-5/32" (29.4 mm) diameter mortise key or thumbturn cylinders with AR MS-Type Cam. Faceplates (optional) shown below.



### attempts. mortise key or thumbturn cylinders m) with AR MS-Type Cam. Faceplates (optional) shown below.



Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing. Faceplates sold separately. Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing. \* See page D487 for Handing Chart. Faceplates sold separately.

## **CRL Adams Rite Optional Faceplates**



For MS1853 Series Long Throw Deadlocks



For MS1853H Series Hook Throw Deadlocks

017 16 0

For Use With All Deadlocks and Deadlatch Locks Above

All Faceplates Measure 1" x 6-7/8" (25.4 x 174.6 mm)

For AR4513 Series Deadlatch Locks

Adams Rite	Faceplate Styles				
ASSA ABLOY		Flat	Radius	Left Hand Beveled *	Right Hand Beveled *
LOCK SERIES	FINISH	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
MS1853	Aluminum	18010AL	18110AL	18210AL	18310AL
MS1853	Dark Bronze	18010DU	18110DU	18210DU	18310DU
MS1853H	Aluminum	18020AL	18120AL	18220AL	18320AL
MS1853H	Dark Bronze	18020DU	18120DU	18220DU	18320DU
AR4513	Aluminum	450220AL	451220AL	452220AL	453220AL
AR4513	Dark Bronze	450220DU	451220DU	452220DU	453220DU

Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing. \* See page D487 for Handing Chart.

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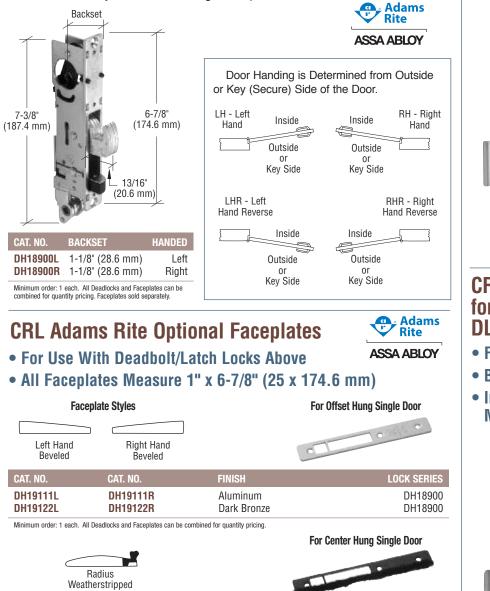
## **CRL Adams Rite Hook Throw Deadbolt/Latch**

#### • 13/16" (20.6 mm) Throw

• Cylinder Backset: 1-1/8" (28.6 mm)

Throw bolt made of 5-ply laminated stainless steel. Center ply has alumina-ceramic core to defeat any hacksaw attack, including "super hacksaws". Hook shape repels prybar attempts. Lock accepts standard 1-5/32" (29.4 mm) diameter mortise key or thumbturn cylinders with AR MS-Type Cam. Typical installation is a bank or store requiring three modes of door control:

- 1. Both lock and latch bolts retracted for unrestricted entry and exit during business hours.
- 2. Handle-operated latch for exit-only traffic just after closing.
- 3. Maximum security hookbolt for overnight lockup.



CAT. NO.	FINISH	LOCK SERIES
DH19211	Aluminum	DH18900
DH19222	Dark Bronze	DH18900

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Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing

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### CRL Frame Lock Strikes for Adams Rite Hook Throw Deadbolt/Latch Series DB18900

- Four Models Available
- Brushed Stainless Steel
- Includes Dust Box and Mounting Screws



NEW!

Lock Strike for inactive door stile. **CAT. NO. DH19400** Minimum order: 1 each. NEW!

Lock Strike for center hung door 4" frame.

CAT. NO. DH19500 Minimum order: 1 each.



Lock Strike for center hung door 4-1/2" frame.

CAT. NO. DH19600 Minimum order: 1 each.

Lock Strike for offset hung door frame. CAT. NO. DH19300 Minimum order: 1 each.

### CRL Frame Lock Strikes for Deadbolt/Latch Series DL2140 and AR4513

- Four Models Available
- Brushed Stainless Steel
- Includes Dust Box and Mounting Screws



Lock Strike for offset hung door frame.

CAT. NO. DH02800 Minimum order: 1 each. Lock Strike for



center hung door 4" frame. CAT. NO. DH12700 Minimum order: 1 each.



Lock Strike for center hung door 4-1/2" frame.

CAT. NO. DH12600 Minimum order: 1 each.

Lock Strike for



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inactive door stile. CAT. NO. DH12800 Minimum order: 1 each.



NEW!

## CRL Straight Throw Deadlock

#### • 1-1/8" (28.6 mm) Throw and Backset

Straight Throw Deadlock has a stamped steel body and a hardened steel throw bolt with expanding "Lock paws" which expand to lock the bolt into the strike. 6" "Lock paws" (152.4 mm) automatically retract when the bolt is unlocked. Accepts standard 1-5/32" (29.4 mm) mortise key or thumbturn cylinders having AR MS-Type Cams. One per package. NOTE: Faceplate is no longer available.

et

CAT. NO.	BACKSET	HANDED
J4504	1-1/8" (28.6 mm)	Non-Handed
Minimum order: 1 pack. All Deadlock Latches can be combined for quantity pricing.		

# **CRL Two-Point Deadlock**

#### • Two-Point Header and Threshold Lock

Two-Point Deadlocks for use with threshold and header bolts. Stamped steel body accepts standard 1-5/32" (29.4 mm) mortise key or thumbturn (152.4 cylinders having AR MS-Type Cams. This Deadlock does not use a faceplate. One per package. **NOTE:** Threshold and header bolts are no longer available.

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CAT. NO.	HANDED
J4505	Non-Handed
Minimum order: 1 pack, All Deadlock Latches	can be combined for

Minimum order: 1 pack. All Deadlock Latches can be combined for quantity pricing.



Our DL2240 Series Header Bolt is designed to add a top-door locking point in the inactive door. This bolt is activated when the DL2110B or MS18533 Latch is locked. As the throw bolt locks into the inactive door, it lifts the adjustable nylon rod end causing the Header Bolt to lift and expand its pawls in the head, which centers the bolt into the header. One per package.

CAT. NO.	CYLINDER CENTERLINE TO TOP OF DOOR	
DL2240A DL2240B DL2240C	30-1/2" to 50" (775 to 1270 mm) 55-5/8" to 77-1/2" (1413 to 1969 mm) 67" to 89" (1702 to 2261 mm)	
Minimum order: 1 each. All Header Bolts and Latches can be combined for quantity pricing		

## CRL Adams Rite Header Bolt Kit • Expanding Top Bolt • Inactive Door Lock





This Header Bolt fits the following door to cylinder height combinations:

DOOR HEIGHT	CYLINDER HEIGHT
84" or LESS	32" to 53"
(2134 mm)	(813 to 1346 mm)
85" to 90"	38" to 59"
(2159 to 2286 mm)	(965 to 1499 mm)
91" to 96"	44" to 64"
(2311 to 2438 mm)	(1118 to 1626 mm)

The CRL Adams Rite 4085 Header Bolt is designed to add a top-of-door locking point for the inactive leaf of a pair of doors when used with the DL2110B or MS18533 Long Throw Deadlock. This Bolt, when triggered by the pivoted MS Bolt, expands in a "scissors" action to center itself in its strike as it rises. One per package.

CAT. NO.	CYLINDER HEIGHT
AR4085	32" to 64" (813 to 1626 mm)

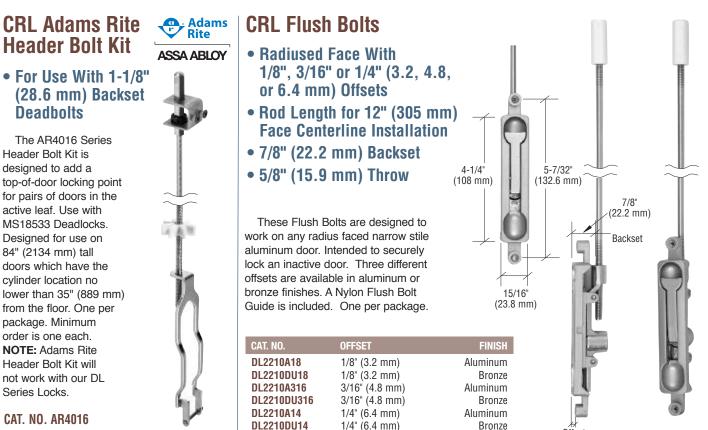
 $\ensuremath{\mathsf{Minimum}}$  order: 1 each. All Header Bolts and Latches can be combined for quantity pricing.

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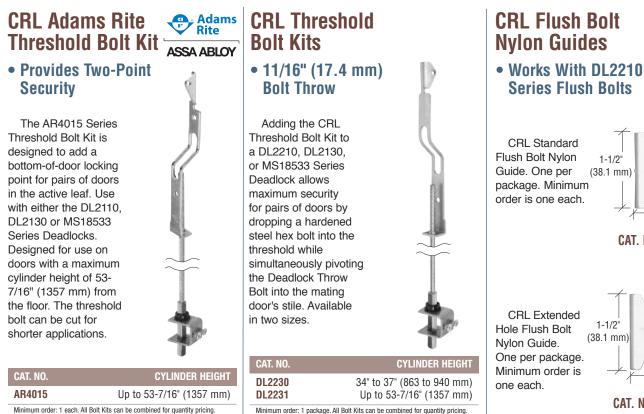
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Minimum order: 1 each. All Flush Bolts can be combined for quantity pricing.

CAT. NO. AR4016

All Bolt Kits can be combined for quantity pricing



(36.5 mm) CAT. NO. DL2210SG

1-1/2"

Offset

1-1/2" (38.1 mm) CAT. NO. DL2210EG

Bronze

1-7/16"

(36.5 mm)

3/8" (9.5 mm)

1-7/16"

15/32" (11.9 mm)

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D489 **US** ALUMINUM

## **CRL Universal Push-Pull Paddles**

- Field Reversible for Left or Right Hand Installations
- Fits DL2140 Series, Adams Rite, S. Parker, I.D.C., Global, and Primeline Deadlatches
- Available in Six Finishes





Cam Plug Included

Push to the Right Paddle Shown

The Universal Push-Pull Paddle comes with cartridges which allow it to be applied to push or pull, left or right handed doors. It fits deadlatches with backsets from 7/8" (22.2 mm) to 1-1/2" (38.1 mm). Simple to follow instructions allow field reversal to meet your needs. Comes complete with cam plug, push and pull indicators, mounting screws, templates and directions. Measures approximately  $5" \times 4"$ (127 x 102 mm). Buying the paddle to meet your specifications from the chart below eliminates disassembling and reassembling internal parts. One per package.

OPERATION	CAT. NO.	OPERATION	FINISH
Pull to Left DL2161 Series Push to Left DL2162 Series	CAT. NO. DL2161A DL2161DU DL2161BR DL2161CH DL2161BN DL2161SC DL2162A DL2162A DL2162DU DL2162BR DL2162CH	Pull Left/Push Right Pull Left/Push Right Pull Left/Push Right Pull Left/Push Right Pull Left/Push Right Pull Left/Push Right Push Left/Pull Right Push Left/Pull Right	FINISH Aluminum Bronze Brass Chrome Brushed Nickel Satin Chrome Aluminum Bronze Brass Chrome
Pull to Right DL2163 Series Push to Right DL2164 Series	DL2162CH DL2162BN DL2162SC DL2163A DL2163DU DL2163DU DL2164A DL2164DU	Push Left/Pull Right Push Left/Pull Right Push Left/Pull Right Pull Right/Push Left Pull Right/Push Left Push Right/Pull Left Push Right/Pull Left	Chrome Brushed Nickel Satin Chrome Aluminum Bronze Aluminum Bronze

Minimum order: 1 each. All Paddles and Lever Handles can be combined for quantity pricing.

## **CRL Cam Plug**

- For Use With Push-Pull and Lever Handles
- Non-Handed, Reversible

The Cam Plug works with DL2160 Series Paddles, DL2150, and DH569 Series Lever Handles. Interfaces with all CRL Deadlatches. One per package. Minimum order is one each.



CAT. NO. DL2165

### **CRL Lever Handles**

- Field Reversible for Left or Right Hand Installations
- Fits DL2140 Series, Adams Rite, S. Parker, I.D.C., Global, and Primeline Deadlatches
- Available in Six Finishes



Cam Plug Included

Turning lever downward will activate deadlatch. Heavy-duty spring will return the lever automatically to fully horizontal position. The escutcheon is 1-3/8" x 4" (35 x 102 mm), with a 1/4" (6.3 mm) square hardened spindle that interlocks in the cam plug. One per package.

CAT. NO.	HANDING	FINISH
DL2150LHA	Left	Aluminum
DL2150LHBN	Left	Brushed Nicke
DL2150LHBR	Left	Brass
DL2150LHCH	Left	Chrome
DL2150LHDU	Left	Bronze
DL2150LHSC	Left	Satin Chrome
DL2150RHA	Right	Aluminum
DL2150RHBN	Right	Brushed Nicke
DL2150RHBR	Right	Brass
DL2150RHCH	Right	Chrome
DL2150RHDU	Right	Bronze
DL2150RHSC	Right	Satin Chrome

Minimum order: 1 each. All Paddles and Lever Handles can be combined for quantity pricing.

## **CRL Adams Rite Lever Handles**

- Anti-Snag Lever Handle
- Field Reversible for Right or Left Hand Installations
- Fits DL2140 Series, AR4513 Series, and DH189 Series Locks
- Available in Three Finishes

The handle is designed with a modern touch of elegance featuring a anti-snag returned lever handle adapted for all storefront doors 1-3/4" (44 mm) thick. Rehanding in the field is easily accomplished.



Adams Rite

ASSA ABLOY

Cam Plug Included

CAT. NO.	HANDING	FINISH
DH56911L	Left	Clear
DH56922L	Left	Bronze
DH56925L	Left	Champagne
DH56911R	Right	Clear
DH56922R	Right	Bronze
DH56925R	Right	Champagne

Minimum order: 1 each. All Paddles and Lever Handles can be combined for quantity pricing.

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# **CRL Small Format Interchangeable Cores (SFIC) and Housings**

## **CRL Small Format Interchangeable Cores (SFIC)**

- Works With CRL Locking Ladder Pulls, Wedge-Lock<sup>™</sup> Door Rails, 4" x 10" and 6" x 10" Center Locks, and CRL Panic and Deadbolt Devices
- 7-Pin Type Core

quantity pricing.

- Brushed Nickel Finish
- Available in 10 Different Key Configurations
- Master Keying Available on Special Order

CRL now stocks 7-Pin Small Format Interchangeable Cores (SFIC) to provide easy key control among end users on many of our products, as well as on Best, Falcon, Schlage, etc. interchangeable core systems. CRL 7-Pin Cores are the perfect choice for end users that want key control in SFIC hardware applications. CRL Interchangeable Cores can be easily extracted from their housings via a special 'control key' for easy replacement or re-keying.

CAT. NO.	KEY NUMBER	CAT. NO.	KEY NUMBER
1C01	1	1006	6
1002	2	1C07	7
1003	3	1C08	8
1C04	4	1009	9
1C05	5	1C10	10
Minimum order: 1 each. All SFIC Cores can be combined for		Minimum order: 1 each.	All SFIC Cores can be combined for

quantity pricing.

## CRL Mortise and Rim Cylinder Housings for Small Format Interchangeable Cores (SFIC)

- Compatible With Any 7-Pin SFIC Type Core
- Available in Five Architectural Finishes

CRL Mortise Housings for 7-Pin Small Format Interchangeable Cores (SFIC) are used to replace any of our Mortise Keyed Cylinders with an 'interchangeable core' system. Easily convert any of our Door Rails with locks, 4" x 10" and 6" x 10" Center Locks, or Panic and Deadbolt Handles to an 'interchangeable' core system. Simply remove the existing mortise cylinder, choose the appropriate cam, and install the new Housing and Core. It's that easy!

CRL Rim Cylinder Housings for 7-Pin Small Format Interchangeable Cores (SFIC) come standard in our Locking Ladder Pulls featuring the interchangeable cylinder core option or can be used wherever these type cylinders are required. SFIC Core must be ordered separately (see above).

MORTISE HOUSING Cat. No.	RIM CYL. HOUSING Cat. No.	FINISH
1CHBS	2CHBS	Brushed Stainless
1CHDU	2CHDU	Black Bronze Anodized
1CHPB	2CHPB	Polished Brass
1CHPS	2CHPS	Polished Stainless
1CHSA	2CHSA	Satin Anodized

Minimum order: 1 each. Finishes can be combined for quantity pricing.

NEW!



#### ORDERING INFORMATION:

- Each Core comes with one Control Key and two Operate Keys.
- Mortise or Rim Cylinder Housings not included and must be ordered separately if needed (see below).
- · Not compatible with larger 'removable' core systems.
- When used with CRL Low Profile Wedge-Lock<sup>™</sup> Door Rails an additional DRA256 Series Cylinder Ring must be ordered separately.



Rim Cylinder Housing



Mortise Housing



NEW

#### **ORDERING INFORMATION:**

- Each Mortise Housing comes with a 1/2" (12 mm) tall cylinder ring and one DRA10CAM (installed), one DRACAM, and one DRA610CAM for easy conversion.
- Not compatible with larger 'removable' core systems.
  When Mortise Housings are used with CRL Low Profile
- Wedge-Lock<sup>®</sup> Door Rails an additional DRA256 Series Cylinder Ring must be ordered separately.
- SFIC Cores must be ordered separately (see above).



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## **CRL Single Mortise Key Cylinder**

- 1" Length 5-Pin Cylinder; 1-5/32" Diameter
- AR MS-Type Cam
- Available Keyed Alike or **Differently in Two Keyway Configurations**

The Single Mortise Key Cylinder comes with two keys in either Schlage "C" or Yale "8" keyway configurations. 1-5/32" (29.4 mm) diameter, 1" (25.4 mm) long 5-Pin Cylinder; AR MS - Type Cam; Core Face and Keys US26D. Die cast zinc construction. Includes a 3/16" (4.8 mm) cylinder ring. Other cylinder ring sizes and styles available (see pages D494-D495). One per package.

CAT. NO.	KEYWAY	KEYED	FINISH
DL2170SCKDA	Schlage "C"	Different	Aluminum
DL2170SCKAA	Schlage "C"	Alike	Aluminum
DL2170SCKDDU	Schlage "C"	Different	Bronze
DL2170SCKADU	Schlage "C"	Alike	Bronze
DL2170Y8KDA	Yale "8"	Different	Aluminum
DL2170Y8KAA	Yale "8"	Alike	Aluminum
DL2170Y8KDDU	Yale "8"	Different	Bronze
DL2170Y8KADU	Yale "8"	Alike	Bronze

Minimum order: 1 each. All Mortise Cylinders can be combined for quantity pricing

## CRL Double Mortise Key Cylinder

- 1" Length 5-Pin Cylinder; 1-5/32" Diameter
- AR MS-Type Cam
- Available Keved Alike or **Differently in Two Keyway Configurations**

Our Double Mortise Key Cylinder comes with two keys in either Schlage "C" or Yale "8" keyway configurations. 1-5/32" (29.4 mm) diameter, 1" (25.4 mm) long 5-Pin Cylinder; AR MS - Type Cam; Core Face and Keys US26D. Die cast zinc construction. Includes 3/16" (4.8 mm) cylinder rings. Other cylinder ring sizes and styles available (see pages D494-D495). One pair per package.

CAT. NO.	KEYWAY	KEYED	FINISH
DL2171SCKDA	Schlage "C"	Different	Aluminum
DL2171SCKAA	Schlage "C"	Alike	Aluminum
DL2171SCKDDU	Schlage "C"	Different	Bronze
DL2171SCKADU	Schlage "C"	Alike	Bronze
DL2171Y8KDA	Yale "8"	Different	Aluminum
DL2171Y8KAA	Yale "8"	Alike	Aluminum
DL2171Y8KDDU	Yale "8"	Different	Bronze
DL2171Y8KADU	Yale "8"	Alike	Bronze

Minimum order: 1 each. All Mortise Cylinders can be combined for quantity pricing

## **CRL Mortise Thumbturn Cylinder**

- 1" Length 5-Pin Cylinder: 1-5/32" Diameter
- AR MS-Type Cam

#### Activates Cylinder Lock Without a Key

The CRL Mortise Thumbturn Cylinder is used to activate the lock without the need for a key. 1-5/32" (29.4 mm) diameter. 1" (25.4 mm) long 5-Pin Cylinder. Die cast zinc construction. Includes a 3/16" (4.8 mm) cylinder ring. Other CAT. cylinder ring sizes and DL2 styles available (see DL2 pages D494-D495). DL2178DU



One per package.

. NO.	FINISH
172A	Aluminum Face with Aluminum Turn
172DU	Bronze Face with Aluminum Turn
178DU	Bronze Face with Bronze Turn

Minimum order: 1 each. All Mortise Cylinders can be combined for quantity pricing.

## CRL Mortise Dummy Cylinder

• No Keyway or Cam

#### • Fills Abandoned Cylinder Holes

The Mortise Dummy Cylinder is used to fill in a cylinder hole that has been abandoned or is not going to be used. Available in aluminum or bronze finishes. 1-5/32" (29.4 mm) diameter, 7/8" (22.2 mm) long Cylinder. Die cast zinc construction. Includes a 3/16" (4.8 mm) thick cylinder ring. Other cylinder ring sizes and styles available (see pages D494-D495). One per package.



CAT. NO.	FINISH
DL2173A	Aluminum
DL2173DU	Bronze

Minimum order: 1 each. All Mortise Cylinders can be combined for quantity pricing.

# **CRL Rim Key Cylinder**

• Available Keyed Alike or **Differently in Aluminum** and Bronze Finishes

• 5-Pin Cylinder



This CRL Rim Cylinder comes with two keys in the Schlage "C" keyway configuration. Available keyed differently or alike in two different finishes. 1-7/8" (47.6 mm) breakaway screws and 1-1/4" (31.7 mm) breakaway spindle. One per package.

CAT. NO.	KEYED	FINISH
DL911SCKDA DL911SCKAA DL911SCKDDU	Different Alike Different	Aluminum Aluminum Bronze
DL911SCKADU	Alike	Bronze

Minimum order: 1 each. All Mortise Cylinders can be combined for quantity pricing.



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## **CRL Mortise Cylinder Combos**

- Choose From Cylinder/Thumbturn, Cylinder/Dummy, or Thumbturn/Dummy Combinations
- Fit All Standard CRL Door Rails With Standard Bottom Rail Lock
- Can Be Used as Replacements for Most Other Manufacturer's Bottom Rail Locks
- Five Architectural Finishes

CRL Mortise Keyed Cylinders, Thumbturns, and Dummy Cylinders are now available in convenient combination sets, which makes ordering for jobs simple. These Mortise Keyed Cylinder Combos provide the ultimate security and functionality for the CRL Wedge-Lock<sup>™</sup> Door Rail System. Used in conjunction with 777S and 777SL Door Rail Locks, 777SP Series Strike Plates, and AMR208 Series Dustproof Keepers (see page D409). Installations and modifications are easy. Can also be used as replacements for most existing 'all-glass' doors. **NOTE:** All Cylinders are keyed alike. Randomly Keyed Cylinders are available on special order.

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CYLINDER/THUMBTURN COMBO Cat. No.	CYLINDER/DUMMY COMBO Cat. No.	THUMBTURN/DUMMY COMBO Cat. No.	FINISH
DRA1020SA	DRA1030SA	DRA2030SA	Satin Anodized
DRA1020DU	DRA1030DU	DRA2030DU	Bronze Anodized
DRA1020PS	DRA1030PS	DRA2030PS	Polished Stainless
DRA1020BS	DRA1030BS	DRA2030BS	Brushed Stainless
DRA1020PB	DRA1030PB	DRA2030PB	Polished Brass

Minimum order: 1 each. Finishes can be combined for quantity pricing.

## CRL Mortise Cylinders, Thumbturns, and Dummy Cylinders

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- Fit All Standard CRL Door Rails With Standard Bottom Rail Lock
- Can Be Used as Replacements for Most Other Manufacturer's Bottom Rail Locks
- Unique Low Profile Thumbturn

CRL Mortise Keyed Cylinders, Thumbturns, Low Profile Thumbturns, and Dummy Cylinders provide the ultimate security and functionality for the CRL Wedge-Lock<sup>\*\*</sup> Door Rail System. Used in conjunction with 777S and 777SL Door Rail Locks, 777SP Series Strike Plates, and AMR208 Series Dustproof Keepers (see page D409). Installations and modifications are easy. Can also be used as replacements for most existing 'all-glass' doors. **NOTE:** Key Cylinders are available keyed alike or randomly, see chart below.



 $\label{eq:main_state} \mbox{Minimum order: 1 each. Finishes can be combined for quantity pricing.}$ 

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D493

# CRL Mortise Cylinders and Thumbturns for 4" x 10" **Center Lock Housings**

#### Replacement Cylinders and Thumbturns for All CRL 4" x 10" Center Lock Housings • Will Work With Adams Rite MS Type Locks

Five Architectural Finishes

These CRL Keyed Cylinders and Thumbturns are designed as replacements on all of our standard 4" x 10" Center Lock Housings. They can also be used as replacements in Adams Rite MS Type Locks. These are a good item to stock if you regularly work in the repair and maintenance of aluminum storefront doors. NOTE: All Cylinders are keyed alike. Randomly Keyed Cylinders are available on special order.



Keyed Cylinder

DRA60 Thumbturn

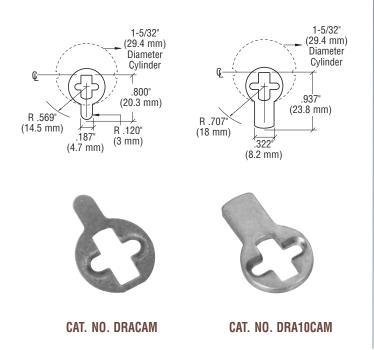
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	DRA	5060	
Cvl	inder/	Thumbi	urn

KEYED CYLINDER	THUMBTURN	CYLINDER/THUMBTURN COMBO	
CAT. NO.	CAT. NO.	CAT. NO.	FINISH
DRA50SA	DRA60SA	DRA5060SA	Satin Anodized
DRA50DU	DRA60DU	DRA5060DU	Bronze Anodized
DRA50PS	DRA60PS	DRA5060PS	Polished Stainless
DRA50BS	DRA60BS	DRA5060BS	Brushed Stainless
DRA50PB	DRA60PB	DRA5060PB	Polished Brass

Minimum order: 1 each. Finishes can be combined for quantity pricing

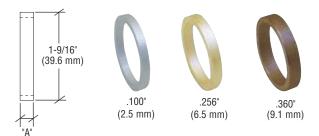
## **CRL Mortise Cylinder Cams**

The DRACAM is a CRL Adams Rite style cam. The DRA10CAM is used on CRL Wedge-Lock<sup>™</sup> Rail Systems requiring a longer cam. One per package. Minimum order is one each.



## **CRL DRA Series Straight Cylinder Rings**

### Three Thicknesses to Choose From



These CRL Mortise Cylinder Rings fit the DRA Series Cylinders shown on pages D493-D494. One per package.

CAT. NO.	THICKNESS	FINISH
DRA100BS	.100" (2.5 mm)	Brushed Stainless
DRA100PB	.100" (2.5 mm)	Polished Brass
DRA100PS	.100" (2.5 mm)	Polished Stainless Clear
DRA100SA	.100" (2.5 mm)	Anodized
DRA256BS	.256" (6.5 mm)	Brushed Stainless
DRA256DU	.256" (6.5 mm)	Dark Bronze Anodized
DRA256PB	.256" (6.5 mm)	Polished Brass
DRA256PS	.256" (6.5 mm)	Polished Stainless
DRA256SA	.256" (6.5 mm)	Clear Anodized
DRA360BS	.360" (9.1 mm)	Brushed Stainless
DRA360DU	.360" (9.1 mm)	Dark Bronze Anodized
DRA360PB	.360" (9.1 mm)	Polished Brass
DRA360PS	.360" (9.1 mm)	Polished Stainless
DRA360SA	.360" (9.1 mm)	Clear Anodized

Minimum order: 1 each. All Cylinder Rings can be combined for quantity pricing



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# **CRL Flared Cylinder Rings**

• For Spacing Mortise Key Cylinders

# 1-9/16" (39.6 mm)



Flared Cylinder Rings are used to obtain proper cylinder depth so the locking cam and the lock mechanism align. Available in aluminum or bronze finishes. One per package.

CAT. NO.	DIMENSION "A"	FINISH
DL2175AA DL2175AB DL2175DUA DL2175DUB	.157" (4.0 mm) .197" (5.0 mm) .157" (4.0 mm) .197" (5.0 mm)	Aluminum Aluminum Bronze Bronze
Minimum order: 1 each. All Cylinder Rings can be combined for quantity pricing.		

197

(5.0 mm)

157

### **CRL Straight Cylinder Rings** • For Spacing Mortise Key Cylinders



157 197 256 (4.0 mm) (5.0 mm) (6.5 mm) CAT. NO. **DIMENSION "A"** FINISH **DL2176AA** .157" (4.0 mm) Aluminum

.197" (5.0 mm)

.256" (6.5 mm)

Minimum order: 1 each. All Cylinder Rings can be combined

DL2176DUA .157" (4.0 mm)

DL2176DUB .197" (5.0 mm)

DL2176DUC .256" (6.5 mm)

Aluminum

Aluminum

Bronze

Bronze

Bronze

**DL2176AB** 

**DL2176AC** 

Straight Cylinder Rings are used to obtain proper cylinder depth so the locking cam and the lock mechanism align. Available in aluminum or bronze finishes in three thicknesses. One per package.

#### for quantity pricing CRL Lock Indicator Set

- Use With CRL DL2100 Series Deadlocks and AR MS Series Deadlocks
- Up Position Shows OPEN in Green Letters. Down Position Shows LOCKED in Red Letters
- Includes 26" x 1-1/2" **Header Sign**



### THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS

For use with CRL and AR MS deadlocks on aluminum doors. Vertical actuator slide on back is in the down position when Indicator reads "LOCKED". Includes one Lock Indicator and one Header Sign. Indicator is 1-5/16" (33 mm) wide x 2-3/16" (55.5 mm) tall. One per package.

# **CRL Cylinder Guard**

- Hardened Steel Security Ring
- Free Spinning Beveled Collar
- For Standard Face 5-Pin, 1-5/32" **Mortise Key Cylinder**
- For Use on Aluminum Doors

The beveled collar, free spinning, hardened steel Cylinder Guard is used to prevent the removal of the lock cylinder with pliers or a pipe wrench. Cylinder Guard is furnished with retaining clip and two spacers. Available in aluminum or bronze finishes. One per package.



CAT. NO.	COLLAR HEIGHT	FINISH
DL2174A DL2174DU	3/8" (9.5 mm) 3/8" (9.5 mm)	Aluminum Bronze
Minimum order: 1 e for quantity pricing.	each. Finishes can be combine	ed

CRL Cylinder Mounting Pad

- For Mounting **Mortise Cylinders**
- Includes Locking Ring
- Two Finishes



Cylinder Mounting Pads are used with Standard Mortise Cylinders with a MS Type Cam on Concealed Vertical Rod Panic Devices to allow key access from outside. Available in aluminum or bronze finishes. One per package. Mounting screws included.

CAT. NO.	WIDTH	HEIGHT	FINISH
DL913A	1-11/16" (34 mm)	2-1/2" (63.5 mm)	Aluminum
DL913DU	1-11/16" (34 mm)	2-1/2" (63.5 mm)	Bronze

#### Minimum order: 1 each. Finishes can be combined for quantity pricing

### CRL Inverted Lock **Indicator Set**

- Up Position Shows LOCKED in Red Letters. **Down Position Shows OPEN in Green Letters**
- Includes 26" x 1-1/2" **Header Sign**



**DL2187A** Aluminum **DL2187DU** Bronze Minimum order: 1 each. Finishes can be

combined for quantity pricing

D495

### THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS

For use with Deadlocks. Vertical actuator slide on back is in the up position when Indicator reads "LOCKED". Includes one Lock Indicator and one Header Sign. Indicator is 1-5/16" (33 mm) wide x 2-3/16" (55.5 mm) tall. One per package.



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combined for quantity pricing

# **CRL Commercial Saddle Thresholds**

- For New Construction and Retrofit
- Most Popular Models and New Models to Choose From
- Also Shown Online at crlaurence.com

CRL offers Thresholds for most commercial door applications. Special order profiles, lengths, widths, and custom prepping are readily available by contacting our Technical Sales Department at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. You can send e-mail through the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

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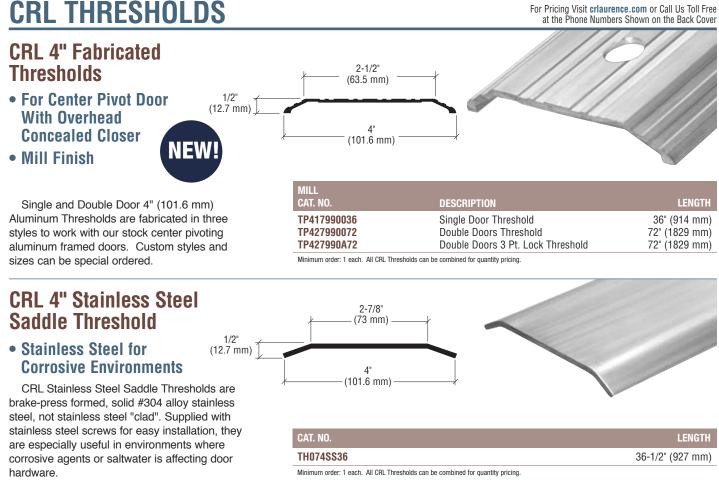




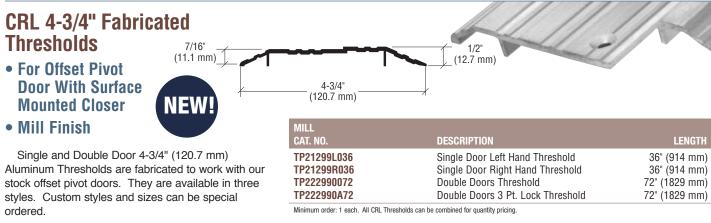
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#### CRL 4-3/4" Commercial Saddle Threshold 7/16 1/2" (12.7 mm) (11.1 mm) Commonly Used With Offset 4-3/4" (120.7 mm) NEW **Huna Doors** ALUMINUM BRONZE CAT. NO. CAT. NO. LENGTH This 4-3/4" (120.7 mm) wide x 1/2" (12.7 mm) TH250A36 TH250D36 36" (914 mm) high Aluminum Threshold comes in two finishes TH250A42 TH250D42 42" (1067 mm) TH250A72 TH250D72 72" (1829 mm) and three lengths. For Fabricated Threshold, for offset pivot doors see below. Minimum order: 1 each. All CRL Thresholds can be combined for quantity pricing





D497

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LENGTH

LENGTH

36-1/2" (927 mm)

36-1/2" (927 mm)

73" (1854 mm)

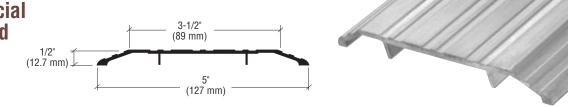
185" (4.7 m)\*

## CRL 5" Commercial Saddle Threshold

Generally Used

With 4-1/2" Wide

Storefront Tubing



This 5" (127 mm) wide x 1/2" (12.7 mm) high Aluminum Threshold comes in two finishes and three lengths. Furnished with screws for installation.

ALUMINUM Cat. No.	BRONZE CAT. NO.	LENGTH
TH015A36 TH015A72 TH015A185	TH015D36 TH015D72 TH015D185	36-1/2" (927 mm) 73" (1854 mm) 185" (4.7 m)*
Minimum order: 1 each. All CRL Thresho	lds can be combined for quantity pricing. *Must ship common carr	ier.

BRONZE Cat. No.

48D36

48D72

48D185

Minimum order: 1 each. All CRL Thresholds can be combined for quantity pricing. \*Must ship common carrier.

5"

(127 mm)

3-7/8" (98.4 mm)

5" (127 mm)

Minimum order: 1 each. All CRL Thresholds can be combined for quantity pricing.

ALUMINUM Cat. No.

48A36

48A72

48A185

CAT. NO.

TH075SS36

### CRL 5" Commercial Saddle Threshold

#### • Generally Used With 4-1/2" Wide Storefront Tubing



1/2"

1/4" (6.3 mm)

This 5" (127 mm) wide x 1/4" (6.3 mm) high Aluminum Threshold comes in two finishes and three lengths. Furnished with screws for installation.

## CRL 5" Stainless Steel Saddle Threshold

#### • Stainless Steel for (12.7 mm) Corrosive Environments

CRL Stainless Steel Saddle Thresholds are brake-press formed, solid #304 alloy stainless steel, not stainless steel "clad". Supplied with stainless steel screws for easy installation, they are especially useful in environments where corrosive agents or saltwater is affecting door hardware.

## CRL 5" Offset Saddle Threshold

- Fire Rated
- Barrier Free
- Smoke Tested
- UL Listed

These CRL Offset Saddle Aluminum Thresholds are extruded using 6063 and 6493 aluminum alloys. This Threshold meets ANSI/BHMA Standards, and is access compliant, fire rated, and UL Listed. Furnished with screws for installation.

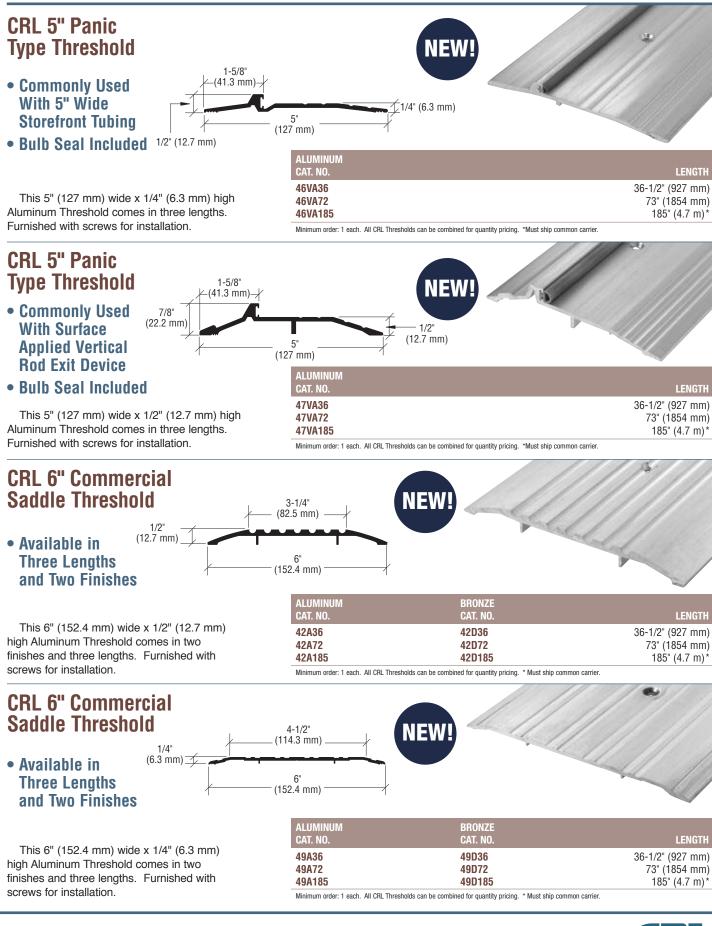
4-1/4" (108 mm)	
5"	1/2"
(127 mm)	(12.7 mm)

ALUMINUM	BRONZE	
CAT. NO.	CAT. NO.	LENGTH
255A36	255D36	36-1/2" (927 mm
255A72	255D72	73" (1854 mm
255A185	255D185	185 <sup>°</sup> (4.7 m)

Minimum order: 1 each. All CRL Thresholds can be combined for quantity pricing. \*Must ship common carrier.



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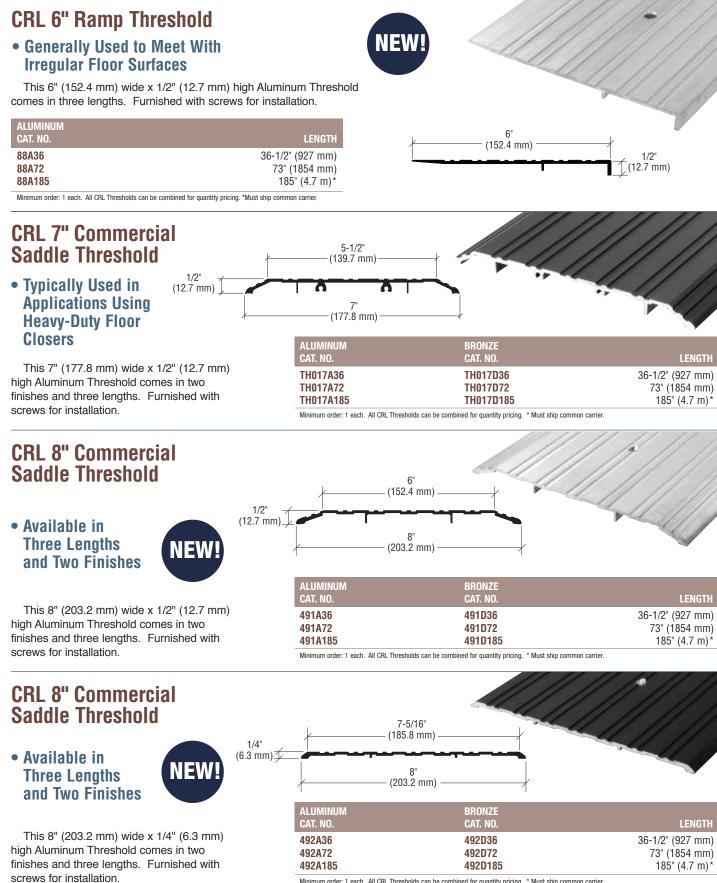
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Minimum order: 1 each All CBI Thresholds can be combined for quantity pricing \* Must ship common carrier

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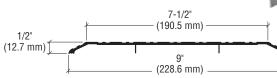
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## **CRL 9" Commercial Saddle Threshold**

 Best Threshold in Applications Where PA110 Series Panics or Bottom Engaging Deadbolt Handles Are Used





This 9" (228.6 mm) wide x 1/2" (12.7 mm) high Aluminum Threshold comes in two finishes and three lengths. Furnished with screws for installation.

ALUMINUM	BRONZE	
CAT. NO.	CAT. NO.	LENGTH
TH019A36	TH019D36	36-1/2" (927 mm)
TH019A72	TH019D72	73" (1854 mm)
TH019A185	TH019D185	185 <sup>°</sup> (4.7 m)*

Minimum order: 1 each. All CRL Thresholds can be combined for quantity pricing. \* Must ship common carrier.

## **CRL PVC Barrier Strip**

CRL PVC Barrier Strip protects the aluminum threshold from moisture absorbed through the stucco finish of the exterior wall. 96" (2.4 m) Barrier Strip measures 4-3/8" (111.1 mm) wide, and must cover area in contact with stucco wall to provide protection to the aluminum. For Thresholds wider than 4" (101.6 mm) you can lay two Barrier Strips side-by-side to provide adequate protection.

CAT. NO.	LENGTH	FINISH
THBS8	96" (2.4 m)	Black
Minimum order: 1 each.		



### CRL Custom Commercial Saddle Thresholds and Floor Closer Cover Plates





CRL custom fabricates Saddle Thresholds and Floor Closer Cover Plates. For information contact our Technical Sales Department at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can send e-mail through the **crlaurence.com** home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



CRL offers a complete selection of installation equipment and supplies for Saddle Thresholds. Please visit our web site at **crlaurence.com**.



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1-1/2"

(38 mm)

CAT. NO. M50

(25 mm)

Magnet

## **CRL Heavy-Duty Magnetic Door Retainer**

- Up to 50 Pounds (22.7 kg) of Adjustable Holding Strength
- Keeps Doors From Blowing Open
- Non-Handed

This CRL Heavy-Duty Magnetic Door Retainer keeps doors closed even during heavy winds. Non-handed Retainer provides up to 50 pounds (22.7 kg) of adjustable pull strength once installed. Helps control energy loss, and is easily installed in just minutes. Minimum order is one each.

# **CRL Rixson® Electromagnetic Door Holder**

- 25 to 40 Pounds (11 to 18 kg) of Holding Power
- Concealed Wiring
- Selectable Input Voltage 12V DC, 24V AC/DC, 120V AC

Rixson<sup>®</sup> Electromagnetic Door Holders are designed for virtually any remote door release application. They are primarily used to hold fire and smoke barrier doors open until released by a remote smoke detector or switching device. **NOTE:** A separate closing device is required to close the doors as normal closing operation.

CAT. NO.	FINISH
998A	Sprayed Aluminum
998BRZ	Sprayed Dark Bronze

Minimum order: 1 each. Finishes can be combined for quantity pricing.

## **CRL Magnetic Door Retainer**

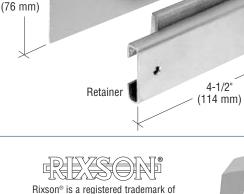
- Keeps Doors From Blowing Open
- Mortised Into Jamb Head

This CRL Magnetic Door Retainer has a molded plastic base that holds a magnet, and is mortised into the jamb head. A steel roller is then attached to the top center of the top rail. **NOTE:** Requires a jamb head deep enough to hold the 1-1/8" (28.6 mm) thick base. Minimum order is one each.

#### SPECIFICATIONS:

Input: Selective 12V DC, 24V AC/DC, 120V AC Current Draw: .040A @ 12V DC; .020A @ 24V AC/DC; .020A @ 120V AC

3'



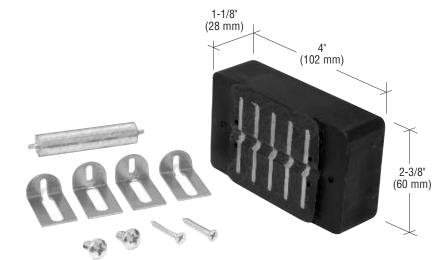
5" (127 mm)



Yale Security, Inc., an ASSA



INDOOR USE ONLY: Dimensions: Magnet = 4-5/8" x 2-3/4" x 1" (118 x 70 x 25 mm)



CAT. NO. 115445

# 

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## **CRL Heavy-Duty Floor** Mount Door Stop

Heavy brass die cast body with rubber bumper. The Floor Mount Stop has a center floor post which seats into a bored hole in the floor, preventing shifting of the base. Screws and anchors are included. One per package.



CAT. NO.	ТҮРЕ	FINISH
DL2522A	Floor Mount	Satin Chrome
DL2522PB	Floor Mount	Polished Brass
DL2522DU	Floor Mount	Dark Bronze

Minimum order: 1 each. All Floor and Wall Mount Stops and Bumpers can be combined for quantity pricing

### **CRL Floor Mount Heavy-Duty Door Holder**

### • Hold-Open Hook and Holder

#### Brass Die Cast

The Floor Mount Door Holder has a center floor post that seats into a bored hole in the floor, preventing shifting of the base. Screws and anchors are included. One per package.



CAT. NO.	ТҮРЕ	FINISH
DL2521A	Floor Mount	Satin Chrome
DL2521PB	Floor Mount	Polished Brass
DL2521DU	Floor Mount	Dark Bronze

Minimum order: 1 each. All Floor and Wall Mount Stops and Bumpers can be combined for quantity pricing

### **CRL Floor Mount Door Stop/Bumper**

This heavy cast Floor Mount Door Stop/Bumper has three mounting holes for a secure attachment to the floor substrate. Screws and anchors are included. One per package.

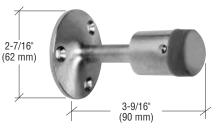


CAT. NO.	ТҮРЕ	FINISH
DH80311	Floor Mount	Satin Chrome
DH80322	Floor Mount	Bronze

Minimum order: 1 each, All Floor and Wall Mount Stops and Bumpers can be combined for quantity pricing

### **CRL Heavy-Duty Wall** Mount Door Stop

The CRI Wall Mount Door Stop has a heavy brass die cast body with rubber bumper. Screws and anchors are included. One per package.



CAT. NO.	ТҮРЕ	FINISH
DL2532A	Wall Mount	Satin Chrome
DL2532PB	Wall Mount	Polished Brass

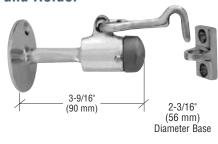
Minimum order: 1 each. All Floor and Wall Mount Stops and Bumpers can be combined for quantity pricing

### **CRL Wall Mount Heavy-Duty Door Holder**

### • Hold-Open Hook and Holder

#### Brass Die Cast

This CRL Wall Mount Door Holder has a Hook Latch to keep the door in the open position. The body is made from cast brass. Screws and anchors are included. One per package.



CAT. NO.	ТҮРЕ	FINISH
DL2531A	Wall Mount	Satin Chrome
DL2531PB	Wall Mount	Polished Brass
DL2531DU	Wall Mount	Dark Bronze

Minimum order: 1 each, All Floor and Wall Mount Stops and Bumpers can be combined for quantity pricing

### CRL Door Mount **Step-On Door Holder**

 Step-On Application and Release

### Spring Loaded Plunger

This CRL Door Mount Step-On Door Holder is a plunger type heavy-duty die cast stop. Easy on and off step-on application with heavy-duty rubber foot. Fastens to the door with three screws. One per package.

CAT. NO.	ТҮРЕ	FINISH
J4594	Door Mount	Brass
J4595	Door Mount	Aluminum

Minimum order: 1 pack. All Door Mounted Holders can be combined for quantity pricing





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## **CRL Door Mounted 4**" **Heavy-Duty Door Holder**

- Cast Iron Construction
- Wood Screws Included

The CRL Heavy-Duty Door Holder is a 4" (101.6 mm) kick-down style holder with rubber tip. It is intended to hold the door open at any degree of opening. One per package or bulk packs of 10.

FINISH

Aluminum

Aluminum

**Bronze** 

Bronze

Minimum order: 1 pack. Door Hardware on this page can be

**OTY/PACK** 

CAT. NO.

J4551

J4551B

.14552B

J4552

1-1/2"
(38.1 mm)
2" (50.8 mm) 4"
(101.6 mm)
ACK
1
10
1
10

#### CRL Door Mounted 4-1/2" **Heavy-Duty Door Holder** 1-1/4" (31.7 mm)

1-7/8"

(47.6 mm)

 Solid Brass Construction Meets ANSI Standards

This CRL Heavy-Duty Door Stop is a 4-1/2" (114 mm) kick-down style holder with rubber tip. Designed to hold door open at any degree of opening. Wood mounting screws are included. One per package.

CAT. NO.	FINISH	
J4571	Brushed Chrome	
J4572	Polished Brass	
J4671	Polished Chrome	
Minimum order: 1 pack. Door Hardware on this page can be combined for quantity pricing.		

4-1/2" (114.3 mm)

# CRL Door Holder

# **Replacement Tip**

• Easy to Install

combined for quantity pricing.

• Fits 5/8" Hole

This 7/8" (22 mm) diameter Replacement Tip replaces worn tips on door mounted kick down stops and holders. Push into 5/8" (16 mm) hole in the bottom of existing door stop. Tip is secured with one screw.



#### CAT. NO. FINISH QTY/PKG J4557 Black 2 Minimum order: 1 pack.

# **CRL Dome Door Stop**

### Low Profile Base

Heavy cast 1-3/4" (44.4 mm) Door Stop with a vinyl insert. The low profile base has a post that seats into a hole bored into the floor, preventing base from shifting. One per package.

CAT. NO.	FINISH
DL2501A	Satin Chrome
DL2501DU	Dark Bronze
DL2501PB	Polished Brass
ARC 1	B 11 1 11

Minimum order: 1 each. Door Hardware on this page can be combined for quantity pricing



3/32" (2.4 mm) Low Profile Base

# **CRL Wall Mount Door Bumpers**

### Convex and Concave Models

Heavy cast housing with a vinyl insert. 2-1/2" (63.5 mm) diameter base plate mounts to wall, and housing mounts over plate to conceal mounting screws. Projects 1" (25 mm) from surface of wall. One per package.

CONVEX Cat. No.	CONCAVE Cat. No.	FINISH
DL2511A	DL2512A	Satin Chrome
DL2511DU	DL2512DU	Dark Bronze
DL2511PB	DL2512PB	Polished Brass

Minimum order: 1 each. Door Hardware on this page can be combined for quantity pricing.

## **CRL Dome Door Stop** High Profile Base

Heavy cast 1-3/4" (44.4 mm) Door Stop with a vinyl insert. The high profile base has a post that seats into a hole bored into the floor, preventing base from shifting. One per package.



CAT. NO. **BASE HEIGHT** FINISH DL2502A 1/2" (12.7 mm) Satin Chrome DL2502DU 1/2" (12.7 mm) Dark Bronze **DL2502PB** 1/2" (12.7 mm) Polished Brass DH80100 7/16" (11 mm) **Brushed Chrome** 

Minimum order: 1 each. Door Hardware on this page can be combined for quantity pricing





1-3/8" (35 mm)

 	 	 	- q) p	



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# CRL E-Z Tone Door Chime



The EZ Tone can be easily installed on all types of doors and jambs. When the door is opened, a magnetic striker hits the chime bar and produces a pleasant, audible tone.

CAT. NO.	FINISH
TDK13GRY TDK13BRZ	Light Gray Bronze
Minimum order: 1 each.	

2-5/8"

### **CRL Floor Mounted Heavy-Duty Angle Stop**

• Wrought Steel With Soft Rubber Bumper

This CRL Floor Mounted

Door Stop is for heavy-duty

soft resilient rubber bumper.

It can be used on undercut

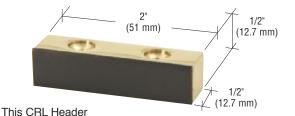
One per package.

applications. The Stop is



Minimum order: 1 each. All Door Holders can be combined for quantity pricing.

## **CRL Header Mounted Single Door Stop**



Mounted Single Door Stop provides a positive stop when converting a double acting door into a single acting one-way door. Easy to install and available in four popular finishes (screws not included). One per package.

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CAT. NO.	FINISH
1NT307A	Aluminum
1NT307BR	Polished Brass
1NT307BS	Brushed Stainless
1NT307PS	Polished Stainless
Minimum order: 1 each.	All Header Mounted Door Stops can be

combined for quantity pricing

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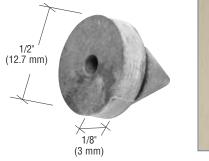




The CRL Door Chain is an extra-heavy duty protector chain with a vinyl cover to protect the door's surface. Designed for full size exterior doors, it has rugged compression springs and a steel chain, with cast base plates and mounting screws.

CAT. NO.	LENGTH	FINISH	
15850	30-1/2" (775 mm)	Chrome	
15855	25" (635 mm)	Chrome	
WC1631	25" (635 mm)	Bronze	
Minimum order: 1 each. All Door Chains can be combined for quantity pricing.			

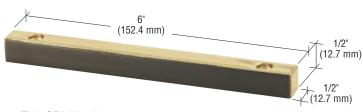
### CRL Metal Frame Mounted **Door Silencers**





CRL Metal Frame Mounted Door Silencers are a gray color, and are mounted in a 1/4" (6 mm) hole in the strike jamb to cushion the door when closing. Packages contain 100 Door Silencers. Minimum order is one package. CAT. NO. J4566

## **CRL Header Mounted Double Door Stop**



**C.R. LAURENCE COMPANY** 

This CRL Header Mounted Double Door Stop provides a positive stop when converting a double acting door into a single acting one-way door. Easy to install and available in four popular finishes (screws not included). One per package.

FINISH
Aluminum
Polished Brass
Brushed Stainless
Polished Stainless

Minimum order: 1 each. All Header Mounted Door Stops can be combined for quantity pricing.



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# **CRL Pile Weatherstrip for Door Rails**

- Specially Designed to Help Reduce Air and Water Infiltration
- Fits All CRL Door Rails
- Available in Two Finishes

To help reduce the infiltration of air and water we offer CRL Pile Weatherstrips for Door Rails. Pile Weatherstrips attach without modifications to the specially designed recess on the inside of the Door Rail using the Very Hi-Bond Tape that is already attached to each piece.

Our Door Rails are designed specifically to receive the Pile Weatherstrips in a way that will not obstruct the standard hardware used in the Door Rails. You can order them to fit stock Door Rails, or in 144" (3.66 m) stock lengths that can be cut to fit custom door rails.

# **CRL** Weatherstrip Kits for Heavy **Glass Doors With 4" Door Rails**

- Low Profile Maximizes 'All-Glass' Look
- Reduces Drafts Without **Detracting From Appearance of Door**
- Clear Polycarbonate or Metal Channel for 1/2" (12 mm) Thick Glass

CRL Weatherstrip Kits for 'all-glass' doors are available to fit doors using our 4" Tapered or Square Door Rails. The Kit includes a 98" (2.49 m) length of either Clear Polycarbonate or polished finish Aluminum Extrusions with 106" (2.69 m) of Wool Pile Weatherstrip, plus a top and bottom Split End Cap with a Center Weatherstrip Receptacle Bar. All Weatherstrip Kits are easy to install using our Transparent Very Hi-Bond Tape (see page D513). IMPORTANT NOTE: The door glass width will need to be reduced by 1/4" (6 mm) on each side that the Weatherstrip Kits are to be installed on.



CAT. NO.

DRWSAS

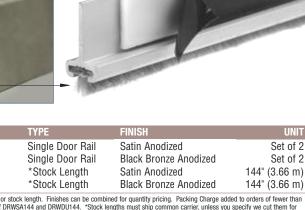
DRWDUS

DRWSA144

DRWDU144

Full Length Wool Pile Weatherstrip

CLEAR POLYCARBONATE 4" TAPERED RAILS CAT. NO.	CLEAR Polycarbonate 4" Square Rails Cat. No.	ALUMINUM 4" TAPERED RAILS CAT. NO.	ALUMINUM 4" square rails cat. no.	FINISH
CTW12PS CTW12PB CTW12BS	CSW12PS CSW12PB CSW12BS	MTW12PS MTW12PB MTW12BS	MSW12PS MSW12PB MSW12BS	Polished Stainless Polished Brass Brushed Stainless
CTW12DU CTW12SA	CSW12DU CSW12SA			Black Bronze Anodized Satin Anodized



Minimum order: 1 set or stock length. Finishes can be combined for quantity pricing. Packing Charge added to orders of fewer than 5 combined lengths of DRWSA144 and DRWDU144. \*Stock lengths must ship common carrier, unless you specify we cut them for UPS. A Cutting Charge will apply.



Minimum order: 1 each. All Weatherstrip Kits can be combined for quantity pricing.



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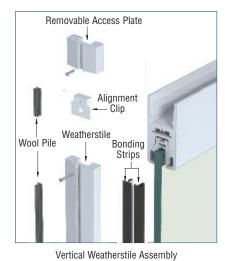
# **CRL Vertical Weatherstile Kits**

- Kits for 1/2" (12 mm) or 3/4" (19 mm) Tempered Glass Doors
- Reduces Drafts and Protects the Edge of the Glass
- Five Architectural Finishes

CRL Vertical Weatherstile Kits have been redesigned for use with newly fabricated single or double doors with either 1/2" (12 mm) or 3/4" (19 mm) tempered glass.

These narrow stiles not only reduce drafts, but they also protect the edge of the glass with minimal disruption of the 'all-glass' look. Five architectural finishes are available to match the adjacent metal finish of most any commercial door.

Installation is accomplished with internal Bonding Strips that attach to the glass with Very Hi-Bond Tape for a secure and accurate fit every time. This replaces the traditional glue-on weatherstile that would need time for adhesive to set prior to installation.



NOTE: CRL Vertical Weatherstiles are intended only for use on newly fabricated doors being installed into a new or existing opening. They cannot be

used on existing doors with pre-installed door rails.



#### Works With CRL DRS Wedge-Lock<sup>™</sup> 4", 6", and 10" (102, 152, and 254 mm) Door Rails Only

CRL Vertical Weatherstile Kits include two 117" (2.97 m) lengths of Weatherstile with Wool Pile Weatherstrip, one 120" (3.05 m) black EPDM Filler Strip (for double door applications), four 117" (2.97 m) lengths of Bonding Strips with Very Hi-Bond Tape, four 1-1/2" (38 mm) tall Weatherstripped Removable Access Plates with Alignment Clips, and installation instructions. Custom lengths up to 117" (2.97 m) are available on special order.

#### KITS FOR 1/2" (12 MM) GLASS

Satin Anodized ack Bronze Anodized
ack Bronze Anodized
Brushed Stainless
Polished Stainless
Polished Brass

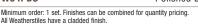
Minimum order: 1 set. Finishes can be combined for quantity pricing. All Weatherstiles have a cladded finish.

#### 3/4" (19 mm) (3 mm) (3 mm) (19 mm)

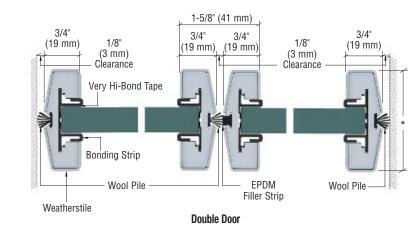
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#### KITS FOR 3/4" (19 MM) GLASS

	KI13 TON 3/4 (19 MM) GLASS		
CAT. NO.		CLADDED FINISH	
	W34SAS	Satin Anodized	
	W34DUS	Black Bronze Anodized	
	W34BSS	Brushed Stainless	
	W34PSS	Polished Stainless	
	W34PBS	Polished Brass	







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\* Overall width is 2" (51 mm) for 1/2" (12 mm) glass; 2-1/4" (57 mm) for 3/4" (19 mm) glass.



D507

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## **CRL Narrow Commercial Door Astragal** With Weathership

#### • Extruded Aluminum **Channel Weatherstrip**

Retrofits Kawneer<sup>®</sup> Astragals

The CRL Narrow Commercial Door Astragal installs with just a screwdriver and the pre-punched spring tensioners assure fast, easy adjustment to the mating surface. It is similar to, and will retrofit, Kawneer® astragals with a center channel width of 1/2" (12.7 mm) or more. NOTE: There are six spring clips included with each Astragal. If additional clips are needed order our Cat. No. R011GCL1P.



1/2"

(12.7 mm)

Aluminum

Channel

CAT. NO.	FINISH	LENGTH
R011G83L	Mill Aluminum	84" (2133 mm)
R011G96L	Mill Aluminum	96" (2438 mm)
R011GCL1P		Spring Clip

#### **CRL Combination Astragal** and Flush Bolt Assembly • For 1-3/4" (44.4 mm) Doors Positive Latch Flush Bolts 1-1/2" (38.1 mm)-Vinyl 1-3/16" Bulb (30.1 mm) <sup>'</sup>1-3/4" 2-7/16" <u>tinnin</u> (44.4 mm) (61.9 mm) Wool Pile

<sup>1</sup>9/16<sup>#</sup> (14.2 mm)

This CRL Combination Astragal and Flush Bolt Assembly is installed on the inactive leaf of a pair of 1-3/4" (44.4 mm) thick doors. The top and bottom flush bolts, with 1" (25.4 mm) throw, offer secure locking, and the Astragal helps prevent attempts to "jimmy" the lock. The assembly also includes the dual-seal of a vinyl bulb and wool pile weatherstrip to provide moisture and wind protection. A strike is supplied, or you may use the strike supplied with your lockset. It comes complete with detailed installation instructions and all necessary hardware.

CAT. NO. FINISH		LENGTH
WS059AV80	Satin Anodized	80" (2032 mm)
WS059DV80	Dark Bronze Anodized	80" (2032 mm)
WS059WV80	White	80" (2032 mm)

Minimum order: 1 each. Finishes can be combined for quantity pricing.

D508

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## **CRL Wide Commercial Door Astragal** With Weathership

- Extruded Aluminum **Channel Weatherstrip** • Retrofits U.S. Aluminum
- **Adjustable Astragal**

This CRL Adjustable Astragal is now available for replacement of meeting Stile Astragals found on existing pairs of U.S. Aluminum doors. The Adjustable Astragal comes spring loaded with weatherseal on two sides for optimum air resistance. **NOTE:** Preparation for lock cut-out required.



CAT. NO.	FINISH	LENGTH
HP35711 HP35722	Clear Anodized Bronze Anodized	84" (2133 mm) 84" (2133 mm)
Minimum order: 1 each.		



This CRL Automatic Security Astragal is a simple, yet effective weatherstrip for paired doors. It quickly and quietly moves out of the way when the door is opened. The header-mounted cam guides the astragal strip back into its overlapping position automatically when either door is closed without requiring a coordinator. When closed, the Astragal forms an effective weatherseal that is wind, dust, and insect resistant. It also provides door security and does not show from exterior. No cutting or other modifications need to be made to the doors prior to installation. It's reversible, and can be used on any new or existing pair of outswinging doors.

CAT. NO.	FINISH	LENGTH
37896A	Clear Anodized	96" (2438 mm)
37896DU	Bronze Anodized	96" (2438 mm)

Minimum order: 1 each. Finishes can be combined for quantity pricing



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# **CRL Zipper Pile Weatherstrip**

- Replaces Old or Worn-Out Pile Weatherstripping in Doors and Windows
- New Zipper Tooth Design Allows Pile to Easily Snap in From Above the Extrusion Slot
- High Density Gray Pile With Double Center Fin

CRL Zipper Pile Weatherstrip is a full density, high performance, water-resistant pile woven to a unique zipper tooth design polypropylene backing. The new zipper tooth design allows the pile to easily snap into the extrusion slot from above rather than having to slide the pile in from the ends. Whether it's being used in manufacturing or retrofitted, the application is much easier and faster. It even works if the slot is slightly off size. Zipper Pile can be used to retrofit aluminum, vinyl, fiberglass or wood T-slots without the need to take the complete window or door sash apart. The double center fin provides a true weather seal, compared to other piles without a fin suited for vibration reduction and pest control only.

#### EASY INSTALLATION



New Pile is easy to install

BACKING

WIDTH (W)

.187" (4.7 mm)

100 FT. <u>ROLL</u>

CAT. NO.

Z78137C

Z78159C

Z78172C

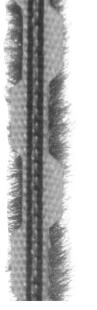
Z78194C

Z78216C

Z78238C



Remove old Pile from frame

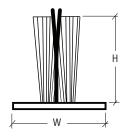




Zipper Tooth Backing Design Typical installation in door stile



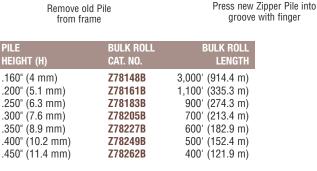
Cut to length with knife or scissors





Comes in handy 100 foot rolls as well as cost-saving bulk rolls.







Minimum order: 1 roll. 100 foot rolls can be combined with all other 100 foot rolls of Pile for quantity pricing. Bulk rolls can be combined with all other bulk rolls of Pile for quantity pricing

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# **CRL Storefront Door Pile Weatherstrip**

- Energy Saver Reduces Heat and Air Conditioning Loss Around Storefront Doors
- Effectively Seals Without Affecting the Operation of the Door
- Used on U.S. Aluminum Doors

This CRL Storefront Door Pile Weatherstrip is made of water-repellent pile woven onto a polypropylene backing strip, which inserts easily into the pile channel of commercial doors. Pile Weatherstrip helps keep heated or cooled air from escaping around the door's frame, thus reducing energy loss. It will not affect the normal operation of the door. The black color will match the finish of most commercial doors.

# CRL Adjustable Astragal Replacement Pile Weatherstrip

- Designed to Replace Worn Weatherstrip Pile on Adjustable Astragals
- Weatherstrip Minimizes Air, Water, and Dust From Infiltrating Between Pairs of Doors
- Resists Mold, Mildew, and Corrosion
- Used on U.S. Aluminum Doors

This CRL Pile Weatherstrip maximizes the energy efficient qualities of fiber pile by adding a dual barrier. The weatherstrip minimizes air, dust, and insects from infiltrating the center of doors that use our Adjustable Astragal. The polypropylene black fiber pile resists mold, mildew, and corrosion, and has exceptional resistance to abrasion. It is silicone treated to repel water, and stabilized against ultraviolet and ozone. This Weatherstrip is installed by simply sliding it into the pile channel of the existing CRL Adjustable Astragal.

# CRL Vanguard Security Astragal Replacement Pile Weatherstrip

- Stops Air, Water, and Dust From Infiltrating the Joint Between Pairs of Doors
- Designed to Replace Worn Pile Weatherstrips on U.S. Aluminum Doors With Vanguard Security Astragals
- Resists Mold, Mildew, and Corrosion

This CRL Pile Weatherstrip is installed by simply sliding it into the pile channel of the existing U.S. Aluminum Vanguard Security Astragal frame. The polypropylene black fiber pile resists mold, mildew, and corrosion, and has exceptional resistance to abrasion. It is silicone treated to repel water, and stabilized against ultraviolet and ozone. The backing strip is polypropylene and lasts longer than plastic weatherseals.



100 FT. ROLL CAT. NO.	PILE HEIGHT (H)	BULK ROLL CAT. NO.	BULK ROLL Length
W125C	.250" (6.3 mm)	W125B	2000' (609.6 m)
W188C	.313" (7.9 mm)	W188B	1800' (548.6 m)

Minimum order: 1 roll. 100 foot rolls can be combined with all other 100 foot rolls of Windo-Pile for quantity pricing. Bulk rolls can be combined with all other bulk rolls of Pile for quantity pricing.



100 FT. ROLL	PILE	BULK ROLL	BULK ROLL
CAT. NO.	HEIGHT (H)	Cat. No.	LENGTH
W510C	.375" (9.5 mm)	W510B	

Minimum order: 1 roll. 100 foot rolls can be combined with all other 100 foot rolls of Windo-Pile for quantity pricing. Bulk rolls can be combined with all other bulk rolls of Pile for quantity pricing.



 W562C
 .625" (15.9 mm)
 W562B
 1500' (457.2 m)

 Minimum order: 1 roll. 100 foot rolls can be combined with all other 100 foot rolls of Windo-Pile for quantity pricing. Bulk rolls can be combined with all other bulk rolls of Pile for quantity pricing.
 1500' (457.2 m)



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# **CRL Storefront Door Pile Weatherstrip**

- Energy Saver Reduces Heat and Air Conditioning Loss Around Storefront Doors
- Effectively Seals Without Affecting the Operation of the Door



This CRL Storefront Door Pile Weatherstrip is made of water-repellent pile woven onto a polypropylene backing strip, which inserts easily into the pile channel of commercial doors. Pile weatherstrip helps keep heated or cooled air from escaping around the door's frame, thus reducing energy loss. It will not affect the normal operation of the door. The medium gray color will match the finish of most commercial doors. Available in 100 foot (30.5 m) or 300 foot (91.4 m) rolls.

	Succession of the succession o		
100 FT. ROLL	300 FT. ROLL	PILE	BACKING
CAT. NO.	CAT. NO.	HEIGHT (H)	WIDTH (W)
A11535C	A11535B	.350" (8.9 mm)	.350" (8.9 mm)
A11545C	A11545B	.450" (11.4 mm)	.350" (8.9 mm)
A11635C	A11635B	.350" (8.9 mm)	.437" (11.1 mm)
A11645C	A11645B	.450" (11.4 mm)	.437" (11.1 mm)

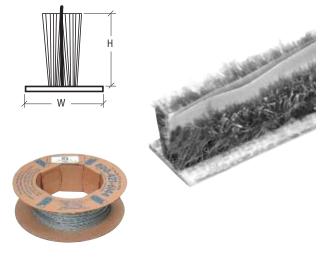
Minimum order: 1 roll. 100 foot rolls can be combined with all other 100 foot rolls of Windo-Pile for quantity pricing. Bulk rolls can be combined with all other bulk rolls of Windo-Pile for quantity pricing.

# **CRL** Finned Weatherstrip

- Unique Center Fin Stops Air, Water, and Dust From Infiltrating **Joints Around Windows and Doors**
- Made to Replace Most Existing **Pile Weatherstrips**
- Resists Mold, Mildew, and Corrosion

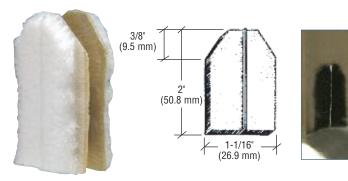
This CRL Finned Weatherstrip maximizes the energy efficient qualities of fiber pile by adding a patented, solid barrier fin. The center fin stops air, water, dust, and insects from infiltrating cracks around windows and doors that use pile weatherstripping. The polypropylene gray fiber pile resists mold, mildew, and corrosion, and has exceptional resistance to abrasion. It is silicone treated to repel water, and stabilized against ultraviolet and ozone. The backing strip is polypropylene and lasts longer than plastic weatherseals. CRL Finned Weatherstrip will replace approximately 90% of the existing storm window pile weatherstrips made, and is installed by simply snapping it into the pile channel of the existing frame.





CAT. NO.	PILE HEIGHT (H)	BACK WIDTH (W)	ROLL LENGTH
FS7716C FS77163M	.160" (4 mm) .160" (4 mm)	.187" (4.7 mm) .187" (4.7 mm)	100' (30.5 m) 3000' (914.4 m)
Minimum order: 1 roll. 100 foot rolls can be combined with all other 100 foot rolls of Windo-Pile for quantity pricing. Bulk rolls can be combined with all other bulk rolls of Windo-Pile for quantity pricing.			

# **CRL Door Jamb Dust Pads**





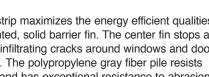
These CRL Door Jamb Dust Pads are made of woven pile on a polypropylene fin with a pressuresensitive adhesive backing. The Pad is applied to the door jamb above the rubber threshold, which helps seal the door corners against dirt and dust. 10 pads per package.

CAT. NO.	COLOR	QTY/PKG
PDP1W	White	10
PDP1BL	Black	10

Minimum order: 10 each of one color. Must be ordered in increments of 10. Colors can be combined for quantity pricing.



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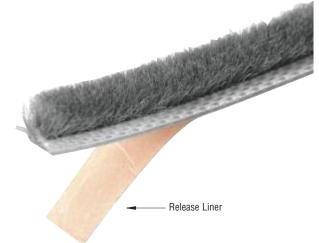
# **CRL Adhesive-Backed Windo-Pile**

- Reduces Heat and Energy Loss Around Windows and Doors
- Adhesive Backing Allows Press-On Installation
- Seals Effectively Without Affecting Operation

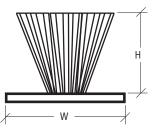
This CRL Adhesive-Backed Windo-Pile is a water-resistant pile woven with silicone treated polypropylene fibers to resist mold, corrosion, abrasion, and is stabilized against ultraviolet and ozone. The fibers are attached to a polypropylene backing that lasts longer than plastic weatherseals, and has a pressure-sensitive adhesive with a release liner. Especially good for applications on irregular surfaces, helping the weatherstrip conform to surface contours. Helps conserve energy by keeping windows and doors sealed. The color of the pile is light gray.



Effectively seals double hung and horizontal sliding windows. Simply press Windo-Pile into the window sash channels. Doesn't interfere with normal window operation.





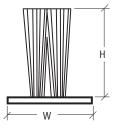


CAT. NO.	PILE HEIGHT (H)	BACK WIDTH (W)	ROLL LENGTH
A71320C	.200" (5 mm)	.270" (6.8 mm)	100' (30.5 m)
A71320B	.200" (5 mm)	.270" (6.8 mm)	700' (213.3 m)
			10 L D1 (

Minimum order: 1 roll. 100 foot rolls can be combined with all other 100 foot rolls of Windo-Pile for quantity pricing. Bulk rolls can be combined with all other bulk rolls of Windo-Pile for quantity pricing.

# CRL Windo-Pile

- Replaces Old or Worn-Out Pile Weatherstripping in Doors or Windows
- Water-Resistant Woven Pile is Unaffected by Adverse Weather
- Quick and Simple Installation
- Available in Two Pile Densities: Medium and High



CRL Windo-Pile is specifically made to meet the needs of anyone looking for quality replacement pile weatherstripping. A water-resistant pile woven to a polypropylene backing, with a choice of medium and high densities, it can replace approximately 90% of the worn-out or corroded pile in use in existing windows and doors. It installs easily, and seals effectively. It also can be used in the fabrication of new storm windows. The pile is a light gray color.



#### MEDIUM DENSITY WINDO-PILE BACK WIDTH .187" (4.7 MM)

100 FT. ROLL	PILE	BULK ROLL	BULK ROLL	
CAT. NO.	HEIGHT (H)	CAT. NO.	LENGTH	
A11320C	.200" (5 mm)	A11320B	1100' (335.3 m)	
A11325C	.250" (6.3 mm)	A11325B	900' (274.3 m)	
A11330C	.300" (7.6 mm)	A11330B	700' (213.4 m)	
A11335C	.350" (8.9 mm)	A11335B	600' (182.9 m)	

#### HIGH DENSITY WINDO-PILE BACK WIDTH .270" (6.8 MM)

100 FT. ROLL	PILE	BULK ROLL	BULK ROLL
CAT. NO.	HEIGHT (H)	Cat. No.	Length
A11420C	.200" (5 mm)	A11420B	800' (243.8 m)
A11425C	.250" (6.3 mm)	A11425B	600' (182.9 m)
A11430C	.300" (7.6 mm)	A11430B	400' (121.9 m)
A11435C	.350" (8.9 mm)	A11435B	400' (121.9 m)

Minimum order: 1 roll. 100 foot rolls can be combined with all other 100 foot rolls of Windo-Pile for quantity pricing. Bulk rolls can be combined with all other bulk rolls of Windo-Pile for quantity pricing.



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# CRL Translucent Bulb Seal

 Two Sizes Available, With or Without Very Hi-Bond Acrylic Tape Pre-Applied

Very

CRL Translucent Vinyl Bulb Seals can be used on inswing or outswing doors. SDTB closes gaps from 5/32" to 7/32" (4 to 5.6 mm); SDTJ closes gaps from 1/8" to 5/32" (3.2 to 4 mm). Available with or without Very Hi-Bond Acrylic Tape pre-applied. For additional information on Tapes, see below.

W/O TAPE CAT. NO.	WITH TAPE CAT. NO.	MAX. GAP	LENGTH
SDTJ	SDTJT2	5/32" (4 mm)	98" (2.49 m)
SDTB	SDTBT2	7/32" (5.6 mm)	98" (2.49 m)
Minimum order: 1 oook	Deaking Charge added to order	of fourier than 10 longths	

Minimum order: 1 each. Packing Charge added to orders of fewer than 10 lengths

## CRL Transparent Acrylic Very Hi-Bond Adhesive Tape

- Gains Full Strength Over a 72 Hour Period
- Available in Two Widths

CRL Very Hi-Bond Transparent Double-Sided Acrylic Tape is used to attach Pile Weatherstrips to the Door Rail. This Tape possesses a uniform high-tack acrylic adhesive on both surfaces, and will bond to most clean, dry, oil-free substrates. It is non-staining after aged contact, has a solid composition for clean cutting, and is flexible, moldable and compressible, so it can conform to intricate shapes.

Used to replace mechanical fasteners and welds, and wherever a waterproof bond in a wide range of temperature conditions exists.



CAT. NO.	WIDTH	THICKNESS	ROLL LENGTH
AT02014	1/4" (6 mm)	.020" (.51 mm)	216' (66 m)
AT0201436	1/4" (6 mm)	.020" (.51 mm)	36' (11 m)
AT04014	1/4" (6 mm)	.040" (1.02 mm)	108' (33 m)
AT0401436	1/4" (6 mm)	.040" (1.02 mm)	36' (11 m)
AT04012	1/2" (12 mm)	.040" (1.02 mm)	108' (33 m)
AT0401236	1/2" (12 mm)	.040" (1.02 mm)	36' (11 m)

Minimum order: 1 roll. Sizes can be combined for quantity pricing.

# CRL Clear Polycarbonate Wipe With Pile Weatherstrip

• Eliminates Drafts Between Doors



This CRL Clear Polycarbonate with Pile Weatherstrip prevents drafts from entering between glass doors. Simply snap over the edge of 1/2" (12 mm) glass. No tools required to install. Recommended clearance is 5/16" to 3/8" (8 to 10 mm). Stock lengths measure 98" (2.49 m) and can be shipped U.P.S.

CAT. NO.	LENGTH
CW12	98" (2.49 m)
Minimum order: 1 each.	

# CRL Translucent Acrylic Very Hi-Bond Adhesive Tape

• Instant Pressure Sensitive Bonding for Weatherstrips and Seals



Ideal for the installation of Bulb Seals and Pile Weatherstrips, our Translucent Acrylic Double-Sided Very Hi-Bond Adhesive Tape is designed for a variety of applications including window grids, furniture, appliances, auto trim attachment, signs, graphics, construction uses to replace mechanical fasteners and welds, and whenever a waterproof bond in a wide range of temperature conditions exists.

CAT. NO.	WIDTH	THICKNESS	ROLL LENGTH
AT04512	1/2" (12 mm)	.045" (1.2 mm)	108' (33 m)
AT04534	3/4" (19 mm)	.045" (1.2 mm)	108' (33 m)
AT0451	1" (25 mm)	.045" (1.2 mm)	108' (33 m)
AT0452	2" (51 mm)	.045" (1.2 mm)	108' (33 m)

Minimum order: 1 roll. Sizes can be combined for quantity pricing.



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CRL Self-Adhesive Weatherstrip is designed to be applied to the "stop" perimeter of a frame to prevent energy loss, reduce noise and dust infiltration. It will not crack or craze in cold or heat. Self-adhesive application makes installation easy and requires only scissors or a utility knife to cut to size. Tested in accordance with ASTM E-283 and listed by Warnock Hersey for use on labeled openings up to 90 minutes.

#### PACKAGED WEATHERSTRIP

100 FOOT (30.5 M) CAT. NO.	17 FOOT (5.2 M) Cat. No.	COLOR
SW250BLC	SW250BL17	Black
SW250WC	SW250W17	White
SW250BRC	SW250BR17	Brown

Minimum order: 1 roll. All Self-Adhesive Weatherstrip can be combined for quantity pricing

#### **BULK WEATHERSTRIP**

CAT. NO.	ROLL LENGTH	COLOR
SW250BLB	500' (152.4 m)	Black
SW250WB	500' (152.4 m)	White
SW250BRB	500' (152.4 m)	Brown

Minimum order: 1 roll. All Self-Adhesive Weatherstrip can be combined for quantity pricing.

# **CRL Foam-Tite Weatherseal**

- For Wood or Metal **Kerf Doors**
- Hiah **Durability**



Bronze

White

CRL Foam-Tite Weatherseal is a compression seal for kerf-fitted wood or metal doors and French Style doors. It efficiently restricts air, light, water, and sound infiltration. Its closed cell foam profile remains flexible through thousands of compressions, while the embossed vinyl surface provides easy breakaway and ensures long life. The rigid dual-locking barbs fit standard 1/8" x 3/8" (3.2 x 9.5 mm) kerfs, insert easily, and hold securely without slipping.

CAT. NO.	COLOR	LENGTH
FT81B	Bronze	84" (2133 mm)
FT81W	White	84" (2133 mm)
Minimum order: 10 oceb p	ar color. Colors can be combined for quantity pricing	

Minimum order: 10 each per color. Colors can be combined for quantity pricing

21/32"

(16.7 mm) 3/8"

(9.5 mm)

# **CRL Polyflex Weatherstrip**

- Reduces Air Infiltration
- Adhesive Backed for Fast Installation
- Works With Wood and Metal Door Frames

7/16" (11.1 mm) Black White Latch Side



Head and Hinge Side



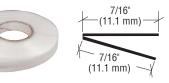
CRL Polyflex Weatherstrip can act as a wipe or compression seal to eliminate water leaks, and virtually stop air			
infiltration around doors. The copolymer			
material won't absorb water, corrode,			
rot, shrink, stiffen or crack, even at			
temperatures as low as -25°F (-32°C).			
With Polyflex Weatherstrip there is			
no need to remove old metal			
weatherstripping, just cut to size with			
scissors and press in place. It fits into			
the right angle formed by the door jamb			
and stop, so it's hidden from sight when			
the door is closed. Packaged in sets			
of three each 84" (2133 mm) pieces to			
fit most door openings.			

CAT. NO.	COLOR
PF114BL PF114W	Black White

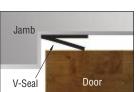
Minimum order: 1 set. Colors can be combined for quantity pricing.

# **CRL V-Seal Weatherstrip Tape**

• Self-Adhesive Tape Seals Gaps Up to 3/8" (9.5 mm)



CRL V-Seal is a flexible, compressible weatherstrip which seals against air, dust, and sound infiltration on swinging doors. It remains flexible in all types of weather. Simply cut to length, peel off the backing paper to expose the adhesive, and apply to jamb stop.



CAT. NO.	COLOR	ROLL LENGTH
P39C180	Clear	180' (54.9 m)
Minimum order: 1 roll.		



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## **CRL Finned Door Sweep and Weatherstrip**

- Incorporates Advanced Finned Technology
- Keeps Out Air, Water, Dust, and Insects
- Silicone Treated Pile Won't Rot. Shrink or Absorb Water

#### Helps Reduce Noise Infiltration

CRL Finned Door Sweep and Weatherstrip stops air, water, dust, and insects from entering. It combines advanced energy saving finned technology with a strip of anodized aluminum to create the most energy cost reducing product of its kind. The 5/16" (7.9 mm) high silicone treated pile will not shrink, rot or absorb water, and its low friction sealing action allows for minimum drag during opening or closing.

Finned Door Sweeps positively stop water and air leakage without marking the lightest carpets or floors. Installs on exterior or interior bottom of door with screws in pre-punched slots to allow for clearance adjustment. Also can be installed around doors on top and side jamb stops, where air infiltration is a particular problem.

CAT. NO.	FINISH	LENGTH
FS77A	Satin Anodized	12' (3.66 m)
FS77BRZ	Medium Bronze Painted	12' (3.66 m)

Minimum order: 1 each. Finishes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than 10 combined lengths. Stock lengths longer than 108" (2.74 m) must ship common carrier, unless you specify we cut them for U.P.S. A Cutting Charge will apply.

## **CRL Extruded Aluminum and Nylon Brush Door Sweep**

#### • Flexible Bristles in a Choice of Three Lengths Allow a Seal on Even or Uneven Surfaces

This CRL Extruded Aluminum and Nylon Brush Door Sweep is designed to be applied to the "stop" perimeter of a frame to prevent energy loss and reduce noise infiltration. This Weatherstrip uses thousands of flexible bristles allowing a seal on uneven and even surfaces. Bristles are available in 11/32" (8.7 mm), 5/8" (15.9 mm), and 3/4" (19 mm) lengths. Supplied with screws for easy installation.

11/32" BRISTLE Cat. No.	5/8" BRISTLE Cat. No.	3/4" BRISTLE Cat. No.	FINISH	LENGTH
WS257AV72	W\$377AV72	WS497AV72	Aluminum	72" (1829 mm)
WS257DV72	W\$377DV72	WS497DV72	Dark Bronze Anodized	72" (1829 mm)
WS257AV96	WS377AV96	WS497AV96	Aluminum	96" (2438 mm)
WS257DV96	WS377DV96	WS497DV96	Dark Bronze Anodized	96" (2438 mm)



\*11/32" (8.7 mm) or 5/8" (15.9 mm)

1-7/8"

(47.6 mm)

1/4" (6.3 mm)

7/8"

(22.2 mm)

(25.4 mm)

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.

# **CRL Aluminum and Vinyl Door Sweep**

• Extruded Aluminum With 1" (25.4 mm) Vinyl Sweep

#### Available in Two Finishes and Two Sizes

This CRL Aluminum and Vinyl Door Sweep is designed to prevent dust, moisture, and wind from entering between the base of the door and the threshold. They are sized for 36" (914 mm) or 48" (1219 mm) openings. Sweep is supplied with screws for easy installation.

CAT. NO.	FINISH	LENGTH
DB005AV36	Aluminum	36-1/2" (927 mm)
DB005DV36	Dark Bronze Anodized	36-1/2" (927 mm)
DB005AV48	Aluminum	48" (1219 mm)
DB005DV48	Dark Bronze Anodized	48" (1219 mm)
Minimum order: 1 each. Sizes and	finishes can be combined for quantity pricing.	

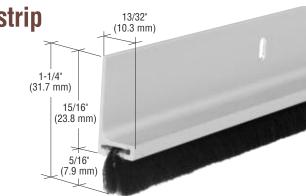
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D515



Door Bottom Installation

7/32"

(5.6 mm)

3/4" (19 mm) Door Jamb Installation



3/8

(9.5 mm)

1-1/16"

(27 mm)

3/4" (19 mm)

1-3/16"

11/16"

1/4" (6.3 mm)

#### **CRL Aluminum Door Sweep CRL Aluminum and** 1/4" **Rubber Door Sweep** • Universal Design in (6.3 mm) **Three Popular Finishes** • Stiff EPDM These CRL Aluminum Door Rubber Sweep (30.2 mm) Sweeps offer the most weatherstrip 7/8" This CRL Aluminum and for the money. A full 1-5/8" (41.3 (22.2 mm) 1-7/8 Rubber Door Sweep is designed (47.6 mm) mm) height fills even the largest 1-5/8" under-door gaps, and the 36" to prevent dust, moisture, and (41.3 mm) (914 mm) length fits most standard wind from entering between the 3/4" doors. The Sweep is constructed base of the door and the (17.5 mm) (19 mm) of sturdy extruded aluminum with a threshold. Supplied with screws locked-in flexible vinyl wipe. Slotted for easy installation. holes allow easy adjustment. LENGTH CAT. NO. FINISH DS37A Aluminum 36" (914 mm) DS37BRW Dark Bronze Anodized 36" (914 mm)

36" (914 mm)

White Minimum order: 10 each of one finish. Finishes can be combined for quantity pricing.

**DS37W** 

## **CRL Combination Door Sweep**

#### Extruded Aluminum Rain Drip and Vinyl Door Sweep

The CRL Combination Door Sweep has a "rain drip" feature which deflects rain away from the base of the door, as well as preventing dust, moisture, and wind from entering between the base of the door and the threshold. Supplied with screws for easy installation.



CAT. NO.	FINISH	LENGTH
DB037AV36 DB037DV36	Aluminum Dark Bronze Anodized	36-1/2" (927 mm) 36-1/2" (927 mm)
Minimum order: 1 each Einig	shes can be combined for quantity pricing	

## **CRL Heavy-Duty Door Sweep**

60 Durometer Neoprene Sweep

#### • Available in Two Lengths in **Aluminum and Dark Bronze Anodized Finishes**

This CRL Heavy-Duty Door Sweep is most commonly used on the exterior (50.8 m)bottom of out-swing doors and is surface applied. It may also be used for different applications including meeting stile gasketing. Pre-drilled with mounting screws included.

0	NEW!
$\checkmark$	
1" (25.4 mm)	
mm) 🗡	
1-1/4" (31.7 mm)	

CAT. NO.	FINISH	LENGTH
33N2A36	Aluminum	36" (914 mm)
33N2D36	Dark Bronze Anodized	36" (914 mm)
33N2A48	Aluminum	48" (1219 mm)
33N2D48	Dark Bronze Anodized	48" (1219 mm)

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing

CAT. NO.	FINISH	LENGTH
DB062AV36	Aluminum	36-1/2" (927 mm)
DB062DV36	Dark Bronze Anodized	36-1/2" (927 mm)
DB062AV48	Aluminum	48" (1219 m)
DB062DV48	Dark Bronze Anodized	48" (1219 m)

## **CRL Triple Fin Vinyl Door Sweep**

• Triple Fin Design Gives **Added Protection** 

This CRL Triple Fin Vinyl Door Sweep is designed to prevent dust, moisture, and wind from entering between the base of the door and the threshold. The triple fin design gives added protection against drafts and moisture. Supplied with screws for easy installation.



CAT. NO. FINISH DB041AV36 Aluminum 36-1/2" (927 mm) DB041DV36 36-1/2" (927 mm) Dark Bronze Anodized



#### **CRL Aluminum Entrance Door Sweep** • Extruded Aluminum With 1/4" **Concealed Fasteners** (6.3 mm)

This CRL Aluminum Entrance Door Sweep is designed with an extruded aluminum slide cover that conceals the fasteners and provides clean lines. The Sweep is pre-slotted and supplied with screws for easy installation.

NEW 7/8 (22.3 mm) 1/4" (6.3 mm)

CAT. NO.	FINISH	LENGTH
BW03611	Clear Anodized	36" (914 mm)
BW03622	Dark Bronze Anodized	36" (914 mm)
BW04211	Clear Anodized	42" (1067 mm)
BW04222	Dark Bronze Anodized	42" (1067 mm)
BW04811	Clear Anodized	48" (1219 mm)
BW04822	Dark Bronze Anodized	48" (1219 mm)

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing



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#### CRL Extruded Aluminum and **Vinyl Bulb Weatherseal** 1/4" (6.3 mm) 7/8" • Extruded Aluminum (22.2 mm) With Jamb-Applied 1-7/32" (30.9 mm) Vinyl Bulb 11/32" (8.7 mm)

This CRL Extruded Aluminum and Vinyl Bulb Weatherseal is designed to be applied to the "stop" perimeter of the door frame to prevent energy loss and reduce noise infiltration. It is sold in a set of three pieces to fit standard single and double door openings, and is supplied with screws for easy installation.

CAT. NO.	FINISH	SIZE
WS003AV196	Aluminum	36" x 80" (914 x 2032 mm)
WS003DV196	Dark Bronze Anodized	36" x 80" (914 x 2032 mm)
WS003AV232	Aluminum	72" x 80" (1829 x 2032 mm)
WS003DV232	Dark Bronze Anodized	72" x 80" (1829 x 2032 mm)

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricine

## CRL Roll Formed Aluminum and Vinyl Bulb Weatherseal

#### • Fits Single and **Double Openings**



9/16"

1-13/16"

(46 mm)

This CRL Roll Formed Aluminum and Vinyl Bulb Weatherseal is sold in a set of three pieces to fit standard single and double door openings. It is designed to be applied to the "stop" perimeter of the door frame to reduce energy loss and noise infiltration. Supplied with mounting screws for easy installation.

CAT. NO.	FINISH	SIZE
WS007AV196	Aluminum	36" x 80" (914 x 2032 mm)
WS007DV196	Dark Bronze Anodized	36" x 80" (914 x 2032 mm)
WS007AV232	Aluminum	72" x 80" (1829 x 2032 mm)
W\$007DV232	Dark Bronze Anodized	72" x 80" (1829 x 2032 mm)
Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.		

**CRL Commercial Medium-Duty Automatic Door Bottom** (14.3 mm)

- Ideal for Use With **Carpeted Interiors**
- Field Reversible

This CRL Commercial Medium-Duty Automatic Door Bottom is mechanically actuated. An internal carrier bar with a vinyl insert drops from a concealed cavity to form a tight seal between the base of the door and the threshold. It is ideal for use where carpeted interiors require the door bottom to retract when the door is opened. Supplied with a frame "actuator" protector plate, the door bottom is field reversible for either "hand" of door.

CAT. NO.	FINISH	LENGTH
DB035CV36 DB035DV36	Aluminum Dark Bronze Anodized	36-1/2" (927 mm) 36-1/2" (927 mm)
Minimum order: 1 each. Fi	nishes can be combined for quantity pricing.	

**CRL Vinyl Bulb Seal Door** Jamb Weatherstrip

• High Quality Durable **Extruded Aluminum** With Locked-In **Tubular Vinyl Seal** 



This CRL Vinyl Bulb Seal Door Jamb Weatherstrip set works effectively on either wood or metal doors in keeping the heat in and drafts and dust out. This long lasting gray Weatherstrip is unaffected by weather and requires no maintenance. Each set contains three pieces to fit a standard single door opening. Installation screws are provided.

CAT. NO.	FINISH	SIZE
DW950A DW950W	Aluminum White	36" x 84" (914 x 2133 mm) 36" x 84" (914 x 2133 mm)
Minimum order: 1 each 1	Finishes can be combined for quantity pricing	1

## CRL Extruded Aluminum Weatherseal With Triple **Finger Vinyl**



• Fits Single and **Double Openings** 

This CRL Triple Finger Vinyl Weatherseal is designed to be applied to the "stop" perimeter of the door frame to prevent energy loss and reduce noise infiltration. It is sold in a set of three pieces to fit standard single and double door openings. Supplied with screws for easy installation. It may be trimmed for a perfect fit.

CAT. NO.	FINISH	SIZE
WS167AV196	Aluminum	36" x 80" (914 x 2032 mm)
WS167DV196	Dark Bronze Anodized	36" x 80" (914 x 2032 mm)
WS167AV232	Aluminum	72" x 80" (1829 x 2032 mm)
WS167DV232	Dark Bronze Anodized	72" x 80" (1829 x 2032 mm)
Minimum order: 1 open Size	as and finishes can be combined for quantity n	ricing

#### **CRL Door Bottom Seal** Slotted Holes for Easy Adjustment

This CRL Door Bottom Seal features a thermo-plastic elastomer seal for exceptional cold weather protection and stays flexible between -70°F (-57°C) and +250°F (121°C) temperatures. Stainless steel fasteners are provided.



CAT. NO.	FINISH	LENGTH
25VRA32	Aluminum	32" (813 mm)
25VRD32	Dark Bronze Anodized	32" (813 mm)
25VRA36	Aluminum	36" (914 mm)
25VRD36	Dark Bronze Anodized	36" (914 mm)
25VRA48	Aluminum	48" (1219 mm)
25VRD48	Dark Bronze Anodized	48" (1219 mm)

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Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing



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Full Notch Model

WITH FULL NOTCH

NO

NO

NO

NO

YES

YES

## CRL "U" Shape Door **Bottoms**



- For 1-3/4" (44.4 mm) Doors
- "Drip Cap" Diverts Rain From the Door
- Vinyl Seal Keeps Out Weather

This CRL "U" Shaped Door Bottom features an aluminum "drip cap" that diverts rain away from the door. It can be used with saddle thresholds and includes a vinyl insert for weather sealing.

Models with 1/2" (12.7 mm) wide full notch fabrication are available in order to prevent interference with door stops and weatherstrips. Slots are drilled for the supplied #6 x 1/2" pan head screws.

#### CRL "L" Shape **Door Bottoms**



• Built-In Rain Drip

Easy to Install

**CRL** Door Rain Drips

weatherstrip rain drips for

mounting on frame at top

of door. Slots are drilled

for the supplied #6 x 1/2"

can also be used as

pan head screws.

CAT. NO.

154A36

154D36

155A36

155D36

155A72

155D72

Weather Protection

- Installs Without Door Removal
- Available With Full Notch

Our CRL "L" Shaped Door Bottom features slotted holes for easy adjustment. The durable vinvl seal compresses as the door is closed to seal off the outside elements.

Models with 1/2" (12.7 mm) wide full notch fabrication are available in order to prevent interference with door stops and weatherstrips. Slots are drilled for the supplied #6 x 1/2" pan head screws.

#### 47-3/4" (1213 mm) 17VRA48 Aluminum NO 47-3/4" (1213 mm) 17VRD48 Dark Bronze Anodized NO Minimum order: 1 each. Finishes can be combined for quantity pricing 1-3/16 (30 mm) 1-1/4" Full Notch Model (32 mm) 1/2" (12 mm)

1-1/4"

(32 mm)

LENGTH

31-3/4" (806 mm)

31-3/4" (806 mm)

35-3/4" (908 mm)

35-3/4" (908 mm)

35-3/4" (908 mm)

35-3/4" (908 mm)

CAT. NO.	FINISH	LENGTH	WITH FULL NOTCH
18VRA36	Aluminum	35-3/4" (908 mm)	NO
18VRD36	Dark Bronze Anodized	35-3/4" (908 mm)	NO
18VRFNA36	Aluminum	35-3/4" (908 mm)	YES
18VRFND36	Dark Bronze Anodized	35-3/4" (908 mm)	YES
18VRA48	Aluminum	47-3/4" (1213 mm)	NO
18VRD48	Dark Bronze Anodized	47-3/4" (1213 mm)	NO

Minimum order: 1 each. Finishes can be combined for quantity pricing

1-3/4" (44 mm)

FINISH

Aluminum

Aluminum

Aluminum

Dark Bronze Anodized

Dark Bronze Anodized

Dark Bronze Anodized

X 11/16 (17 mm)

1/2" (12 mm)

CAT. NO.

17VRA32

17VRD32

17VRA36

17VRD36

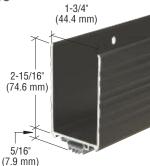
**17VRFNA36** 

**17VRFND36** 

## **CRL Wrap Around Door Shoe** With Vinyl Weatherstrip

#### For 1-3/4" (44.4 mm) Doors

Designed for doors that have been undercut too much, or where you must reduce the height of the threshold. This shoe is 2-15/16" (74.6 mm) high for adjustment, and the door does not have to be removed for installation. Vinyl fingers on the bottom insert compress against the threshold to ensure a water and air tight seal. Screws are included for easy installation.



CAT. NO.	FINISH	LENGTH
DB054AV36	Aluminum	36" (914 mm)
DB054DV36	Dark Bronze Anodized	36" (914 mm)

Minimum order: 1 each. Finishes can be combined for quantity pricing.

Minimum order: 1 each. Finishes and sizes can be combined for quantity pricing.

FINISH

Aluminum

Aluminum

Aluminum

Dark Bronze Anodized

Dark Bronze Anodized

Dark Bronze Anodized

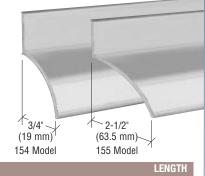


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**CRL Door Rain Drips** NEW!



36" (914 mm)

36" (914 mm)

36" (914 mm)

36" (914 mm)

72" (1829 mm)

72" (1829 mm)

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## **CRL Standard Mail Slots**

Conform to All Postal Regulations
Full Radius Corners for Easy Cut-Out
Made to Fit 1/4" (6 mm) Thick Glass

• Spring Tension Closing Eliminates

• Concealed Spring Mechanism

**Dust and Water Penetration** 

Two Sizes and Three Finishes

Available in Bulk Packs





Duranodic Bronze



#### SPECIFICATIONS:

Material: Extruded Aluminum Finishes: Satin Anodized, Black Anodized or Duranodic Bronze Glass Fabrication: Glass cut-out available at crlaurence.com

CRL Standard Mail Slots are designed to be installed in 1/4" (6 mm) glazed entrance doors. Their full radius corners make for easy glass cut-out and installation. Concealed spring mechanism on flap keeps it closed securely, preventing infiltration of dirt, dust, and water. Standard Mail Slots are available in three popular metal finishes, and are individually packed for protection during handling prior to installation. Installation simply requires application of neutral cure silicone to inside of channel to create a weathertight seal. Openings on both sizes conform to U.S. Postal Service Regulations. Please note that some areas require MS125 Series Mail Slots to meet local postal codes. Also recommended if tenant will be receiving larger packages. If a Mail Slot Template is required order Cat. No. TP125, or download from **crlaurence.com**.

CAT. NO.	FINISH	OVERALL SIZE (A x B)	OPENING SIZE (C x D)
MS100A	Satin Anodized	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
MS100BL	Black Anodized	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
MS100DU	Duranodic Bronze	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
MS125A	Satin Anodized	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)
MS125BL	Black Anodized	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)
MS125DU	Duranodic Bronze	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)

Minimum order: 1 each. All Aluminum Mail Slots can be combined for quantity pricing.

## **CRL Bulk Pack Standard Mail Slots**

#### • Bulk Packaging Lowers Your Cost

Standard Mail Slots are also available bulk packed in all one color and size. Exact same high quality product as shown above, yet at lower prices per unit. Order Cat. No. TP125 for Mail Slot Template. 12 Bulk Mail Slots per carton.

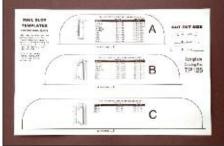
CAT. NO.	FINISH	OVERALL SIZE (A x B)	OPENING SIZE (C x D)
BMS100A	Satin Anodized	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
BMS100BL	Black Anodized	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
BMS100DU	Duranodic Bronze	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
BMS125A	Satin Anodized	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)
BMS125BL	Black Anodized	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)
BMS125DU	Duranodic Bronze	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)

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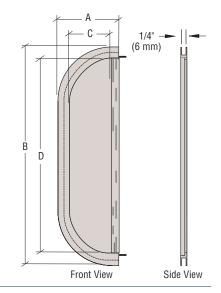
Minimum order: 12 each of same size and finish. All Aluminum Mail Slots can be combined for quantity pricing.

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TP125 Template







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## **CRL Deluxe Mail Slots With Glass Channel Bar**

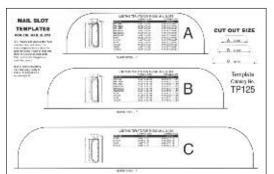


Satin Anodized

Duranodic Bronze

- All Mechanisms Totally Concealed
- Available With or Without a Latch
- Made to Fit 1/4" (6 mm) Thick Glass
- Spring Tension Closing Eliminates **Dust and Water Penetration**
- Three Sizes and Two Finishes

Deluxe Mail Slots are furnished with a glass channel bar to fill in the glazing pocket behind the flap. They are available with or without a latch. No mounting screws are required, and all closing mechanisms are concealed. Concealed spring mechanism on flap keeps it closed securely, preventing infiltration of dirt, dust, and water. Deluxe Mail Slots are designed for use with 1/4" (6 mm) glass and are fully reversible. They are available in three sizes and two popular finishes. If a Mail Slot Template is required, order Cat. No. TP125 or download from crlaurence.com.



SPECIFICATIONS: Material: Extruded Aluminum Finishes: Satin Anodized or Duranodic Bronze Glass Fabrication: Glass cut-out available at crlaurence.com

W/O LATCH Cat. No.	WITH LATCH CAT. NO.	FINISH	OVERALL SIZE (A X B)	OPENING SIZE (C X D)
900A	905A	Satin Anodized	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
900DU	905DU	Duranodic Bronze	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
922A	925A	Satin Anodized	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)
922DU	925DU	Duranodic Bronze	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)
933A	935A	Satin Anodized	2-5/8" x 16" (67 x 406 mm)	1-11/16" x 15" (43 x 381 mm)
933DU	935DU	Duranodic Bronze	2-5/8" x 16" (67 x 406 mm)	1-11/16" x 15" (43 x 381 mm)

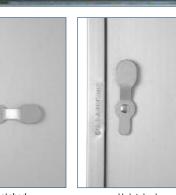
Minimum order: 1 each. All Aluminum Mail Slots can be combined for quantity pricing.

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SALUMINUN



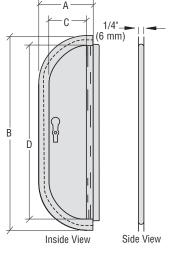


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Aluminum Package Drops are a wider version of our Deluxe Mail Slots. They are preferred in facilities where larger parcels such as manuscripts, legal briefs, video tapes and discs are delivered. Designed to fit into glass doors or sidelites glazed with 1/4" (6 mm) glass. Concealed spring mechanism on flap keeps it closed securely, preventing infiltration of dirt, dust, and water. A turn latch on the flap allows for securing the flap at night, or when not in use. Package Drops are available in seven sizes and two popular finishes.

#### SPECIFICATIONS:

Material: Extruded Aluminum Finishes: Satin Anodized or Duranodic Bronze Instructions and Template Included Glass Fabrication: Glass cut-out available at crlaurence.com.

CAT. NO.	FINISH	OVERALL SIZE (A X B)	OPENING SIZE (C X D)
9412A	Satin Anodized	4-1/2" x 12" (114 x 305 mm)	3-9/16" x 11" (90 x 279 mm)
9412DU	Duranodic Bronze	4-1/2" x 12" (114 x 305 mm)	3-9/16" x 11" (90 x 279 mm)
9414A	Satin Anodized	4" x 14" (102 x 356 mm)	3-1/16" x 13" (78 x 330 mm)
9414DU	Duranodic Bronze	4" x 14" (102 x 356 mm)	3-1/16" x 13" (78 x 330 mm)
9416A	Satin Anodized	4" x 16" (102 x 406 mm)	3-1/16" x 15" (78 x 381 mm)
9416DU	Duranodic Bronze	4" x 16" (102 x 406 mm)	3-1/16" x 15" (78 x 381 mm)
9418A	Satin Anodized	4" x 18" (102 x 457 mm)	3-1/16" x 17" (78 x 432 mm)
9418DU	Duranodic Bronze	4" x 18" (102 x 457 mm)	3-1/16" x 17" (78 x 432 mm)
9514A	Satin Anodized	5" x 14" (127 x 356 mm)	4-1/16" x 13" (103 x 330 mm)
9514DU	Duranodic Bronze	5" x 14" (127 x 356 mm)	4-1/16" x 13" (103 x 330 mm)
9516A	Satin Anodized	5" x 16" (127 x 406 mm)	4-1/16" x 15" (103 x 381 mm)
9516DU	Duranodic Bronze	5" x 16" (127 x 406 mm)	4-1/16" x 15" (103 x 381 mm)
9518A	Satin Anodized	5" x 18" (127 x 457 mm)	4-1/16" x 17" (103 x 432 mm)
9518DU	Duranodic Bronze	5" x 18" (127 x 457 mm)	4-1/16" x 17" (103 x 432 mm)

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Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.

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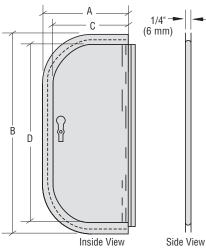




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## CRL No-Draft Mail Slots

- New Design for All Thicknesses of Glass, Wood, and Even Insulating Glass Doors
- Energy Efficient, Ideal for All Climates
- Internal Brush Strip for Added Insulation and Privacy
- Available in Satin Anodized and Black Anodized

CRL No-Draft Mail Slots are designed to keep out the weather as well as dust and dirt. The CRL No-Draft Mail Slot has two door flaps, both spring-loaded and weatherstripped, as well as an internal brush strip for greater insulation and privacy. Both the external and internal flaps open to 135 degrees for easy access. Both have durable nylon torsion rods instead of springs to keep both flaps tightly shut. Made from high impact ABS plastic and anodized aluminum, CRL No-Draft Mail Slots will not rust or tarnish over time. Easy to install by simply running a bead of CRL Cat. No. RTV408C Clear Silicone on both the interior and exterior sleeves and attaching each side to the glass around the 10-1/4" (260 mm) wide x 1-7/8" (48 mm) high cut-out. Intended for horizontal orientation where glass surrounds slots on all four sides.



**RTV408C** 

Silicone

Sealant



1-7/16" x 9-3/4" (37 x 248 mm)

U.S. Patent D480, 200

Finishes: Satin Anodized or Black Anodized Template and Instructions Included Glass cut-out available at crlaurence.com

NDMS13BL 3" x 11-1/2" (76 x 292 mm) Black Anodized Minimum order: 1 each. Finishes can be combined for quantity pricing.

# CRL Frameless 'All-Glass' Mail Slots

- Beautiful Accessory for Frameless 'All-Glass' Entrance Doors
- Made to Fit 1/2" (12 mm) Thick Glass
- Spring Tension Closing
- Four Finishes Available

Another CRL innovation is our brass constructed Frameless Mail Slot for commercial 'all-glass' entrance doors. This easy to install unit features a 1/2" (12 mm) glass flap with a pair of spring hinges that will fit 1/2" (12 mm) thick glass. It's a beautiful alternative to the traditional aluminum mail slot. Available in four architectural finishes to complement our Door Rail and Patch Hardware. Custom finishes are also available.

CAT. NO. FINISH FMS500BN **Brushed Nickel** FMS500BR Lacquered Brass FMS500CH Polished Chrome FMS500SC Satin Chrome Minimum order: 1 each. Finishes can be combined for quantity pricing.

SPECIFICATIONS: Material: Solid Brass Glazing: 1/2" (12 mm) Glass Glass Fabrication: Cut-Out Required Instructions and Templates Included





Door Glass



D522



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## **CRL Clear View Package Doors**





 Door Glazed With 1/4" (6 mm) Clear Glass Left or Right Handed Models in Two Finishes



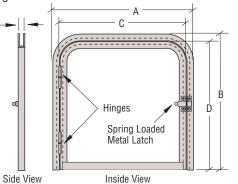
The Clear View Package Door provides an unobstructed view of items to be passed before door is opened. It is glazed with 1/4" (6 mm) clear glass, and includes 1/4" (6 mm) vinyl for glazing the frame in the cut-out. Spring loaded metal latch for security and years of reliable service. Satin anodized or duranodic bronze finishes are available hinged left or right from clerk side. NOTE: These doors do not include spring tension closing.

1/4" (6 mm) --

#### SPECIFICATIONS:

Materials: Extruded Aluminum; Clear Glass; Steel Latch and Hinges Finishes: Satin Anodized or Duranodic Bronze Glazing: 1/4" (6 mm) Thick Glass Glass Fabrication: Cut-Out Required Instructions and Template Included Glass cut-out available at crlaurence.com

CAT. NO. HINGED\* OVERALL SIZE (A X B) **OPENING SIZE (C X D)** FINISH Satin Anodized 1213LHA l eft 13" x 12-1/2" (330 x 318 mm) 11-3/8" x 11-11/16" (289 x 297 mm) 13" x 12-1/2" (330 x 318 mm) 13" x 12-1/2" (330 x 318 mm) 11-3/8" x 11-11/16" (289 x 297 mm) 11-3/8" x 11-11/16" (289 x 297 mm) 1213RHA Satin Anodized Right **1213LHDU** Duranodic Bronze Left 1213RHDU Duranodic Bronze Right 13" x 12-1/2" (330 x 318 mm) 11-3/8" x 11-11/16" (289 x 297 mm)



Minimum order: 1 each. All Aluminum Mail Slots can be combined for quantity pricing

## **CRL Package Drops** With Aluminum Doors

- Largest Size Offers 10" x 8-1/4" (254 x 210 mm) Opening
- Fully Reversible
- Metal Latch
- Installs in 1/4" (6 mm) Glass

These Package Drops are designed to be installed in a grooved counter or horizontal mullion with a glazing pocket for 1/4" (6 mm) glass. The units can also be installed vertically. NOTE: These doors do not include spring tension closing.

**OVERALL SIZE (A X B)** 

10-3/4" x 9-1/4" (273 x 235 mm)

10-3/4" x 9-1/4" (273 x 235 mm)

5-1/8" x 9-7/8" (130 x 251 mm)

5-1/8" x 9-7/8" (130 x 251 mm)

5-1/8" x 12-1/2" (130 x 318 mm)

5-1/8" x 12-1/2" (130 x 318 mm)

#### SPECIFICATIONS:

CAT. NO.

300A

522A

522DU

532DU

532A

300DU

FINISH

Satin Anodized

Satin Anodized

Satin Anodized

Duranodic Bronze

Duranodic Bronze

Duranodic Bronze

Material: Extruded Aluminum Finishes: Satin Anodized or Duranodic Bronze Glass Fabrication: Cut-Out Required Instructions and Template Included Glass cut-out available at crlaurence.com



OPENING SIZE (C X D)

10" x 8-1/4" (254 x 210 mm)

10" x 8-1/4" (254 x 210 mm)

4-1/4" x 8-7/8" (108 x 225 mm)

4-1/4" x 8-7/8" (108 x 225 mm)

4-1/4" x 11-1/2" (108 x 292 mm)

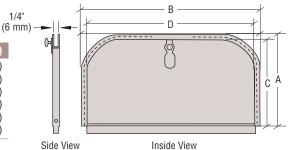
4-1/4" x 11-1/2" (108 x 292 mm)





1/4"





D523

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.



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## CRL Deluxe Through-Glass Video/DVD Drop



#### SPECIFICATIONS:

Material: Stainless Steel; Steel; Plastic Finishes: Brushed Stainless Steel (Face Plate Only); Black ABS Plastic (Rear Chute) Instructions Included

Glass cut-out available at crlaurence.com

CAT. NO. DESCRIPTION

Minimum order: 1 each. All Video/DVD Drops can be combined for quantity pricing

## CRL Mail Slot Video/DVD Drop



Material: Extruded Aluminum; Steel

Glass cut-out available at crlaurence.com

Rear Chute - Black Painted Steel

Instructions Included

CAT. NO.

**EVDDU** 

**EVDNS** 

**EVDA** 

- Fits Over Standard Mail Slot in Glass Storefront Doors
- Angled Chute is Removable **During Business Hours**

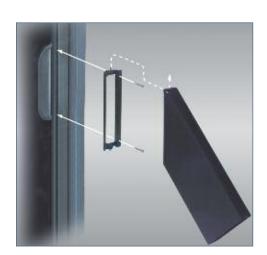
#### Reversible for Left or Right Side of Door

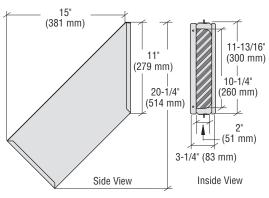
The Mail Slot Video/DVD Drop is designed to fit behind a standard size mail slot in a glass storefront door. A reversible bracket is affixed to the door directly behind the mail slot. An angled chute is then hung from the bracket to direct deposited video tapes and DVD's into a collection bin placed on the floor. Chute is removable for full use of door during business hours. Available with or without a Standard Size Mail Slot for 1/4" (6 mm) thick glass doors in a satin anodized or duranodic bronze finish.

MAIL SLOT FINISH

Duranodic Bronze

Satin Anodized





Minimum order: 1 each. All Video/DVD Drops can be combined for quantity pricing.

D524

Finishes: Mail Slot - Satin Anodized or Duranodic Bronze;

DESCRIPTION

Chute, Bracket and Mail Slot

Chute. Bracket and Mail Slot

Chute and Bracket Only



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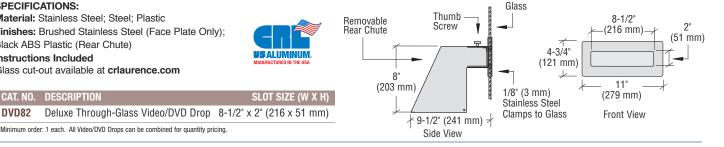
The Deluxe Through-Glass Video/DVD Drop allows customers to return videos and DVD's after business hours while maintaining store security. The unit fits through

• Full Size Opening Directs Video **Tapes and DVD's to Collection Bin** Brushed Stainless Steel Face Plate

a cut-out in the glass and clamps together by tightening four screws. Brushed stainless steel face plate has an 8-1/2" (216 mm) wide x 2" (51 mm) high deposit slot backed by a spring loaded flap that helps reduce air infiltration. A detachable rear chute cover provides additional security, and has a removable spring loaded bar at the base for attachment of the vinyl slide to gently and safely direct video tapes and DVD's to a collection bin.

Installs in 1/4" to 1" (6 to 25 mm) Glass





# **CRL DOOR LOUVERS**

## **CRL 700A Series Door Louvers**

Non-Vision Inverted Split "Y" Blades

#### Available in Five Stock Sizes

CRL's 700A Series Door Louvers have a two-piece design for wood or metal doors with a minimum thickness of 1-3/8" (35 mm). Constructed from 18 gauge CRS, 700A Series Louvers have a minimum frame size of 6" x 4" (152 x 102 mm) and a maximum size of 48" x 80" (1219 x 2032 mm). The two rows of inverted "Y" blades are spaced at 1" (25 mm) intervals and attached by interlocking construction to the 3/4" (19 mm) deep welded frame that is screwed into the door on both sides. Custom sizes and finishes are also available.

CRL 700A Series Door Louvers can have a variety of screen wires placed underneath of either panel to prevent unwanted pests from entering through the Louvers. Common 18 x 16 mesh aluminum screen wire is recommended to keep out small insects. These are available only on special order.

#### **STOCK SIZE 700A SERIES DOOR LOUVERS**

CAT. NO.	SIZE W X H	FREE FLOW AREA
700A12X12 700A18X12 700A24X12 700A24X18 700A24X18 700A24X24	12" x 12" (305 x 305 mm) 18" x 12" (457 x 305 mm) 24" x 12" (610 x 305 mm) 24" x 18" (610 x 457 mm) 24" x 24" (610 x 610 mm)	72 Square Inches 108 Square Inches 144 Square Inches 216 Square Inches 288 Square Inches

Minimum order: 1 each. Sizes can be combined for quantity pricing.

## CRL 1900A Series Door Louvers

- Fire Rated
- Adjustable Blades
- Fusible Link for Automatic Closing

CRL's 1900A Series Door Louvers are listed with both UL and WHI, and are ideal for installation in 1-3/4" (45 mm) thick fire doors. Constructed with a 16 gauge CRS frame with mitered and welded corners, the Z-blade louvers are riveted to the operating bar at 1" (25 mm) intervals. The screws are fastened through the frame into the louver core, which leaves the corridor side of the frame free of fasteners for security purposes. If the spring-loaded fusible link is melted due to fire, the action bar is actuated, which closes and locks the blades. Custom sizes and finishes are also available.

#### LISTINGS AND RATINGS:

#### Fire Ratings With UL and WHI Classification Marks

Model 1900A is rated for use in fire doors up to 1-1/2 hour rating. Louver size shall not exceed maximum of 576 sg. inches, 24" W and 24" H. The minimum width and height shall not be less than 10" and 6", respectively. Louvers may be provided for classified hollow metal type and composite type fire doors. Consult with the Local Authority Having Jurisdiction (AHJ) to determine appropriate standards. Louver frame will be labeled with Listing Mark.

#### **1900A SERIES DOOR LOUVERS**

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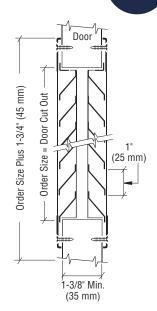
CAT. NO.	SIZE W X H	FREE FLOW AREA
1900A12X12	12" x 12" (305 x 305 mm)	65 Square Inches
1900A24X12	24" x 12" (610 x 305 mm)	130 Square Inches
1900A24X24	24" x 24" (610 x 610 mm)	259 Square Inches

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Minimum order: 1 each. Sizes can be combined for quantity pricing.

#### Bronze Powder Coat Finish • 50% Free Flow Area

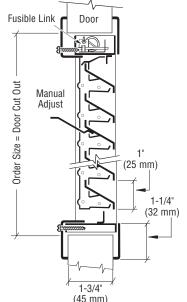




Bronze Powder Coat Finish

45% Free Flow Area





VFW



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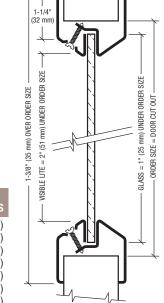
# **CRL DOOR VISION LITES**

# **CRL Door Vision Lites**

- Beveled Vision Lite Frame Available in 12 Different Sizes
- Fire Rated
- Bronze Powder Coat Finish
- For Glazing Thickness of 3/16" to 1/4" (5 to 6 mm)
- Available With or Without Wire Glass







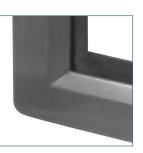
CRL's new Door Vision Lites are constructed from 20 gauge CRS bronze powder coated frames. They are designed for 1-3/4" (44 mm) thick doors in sizes from 5" x 35" (127 x 889 mm) to 24" x 60" (610 x 1524 mm). Vision Lites include mitered and welded corners, a continuous glass retainer, and countersunk mounting holes in the bevel on the non-corridor side. These Vision Lites are listed with both UL and WHI. Custom sizes and finishes are available upon request.

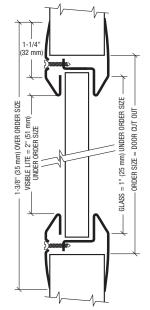
VLFEZ5X35			USES GLASS SIZE	EXPOSED GLASS
		5" x 35" (127 x 889 mm)	4" x 34" (102 x 864 mm)	3" x 33" (76 x 838 mm)
VLFEZ6X27 V	/LFEZ6X27WS	6" x 27" (152 x 686 mm)	5" x 26" (127 x 660 mm)	4" x 25" (102 x 635 mm)
VLFEZ7X22	/LFEZ7X22WS	7" x 22" (178 x 559 mm)	6" x 21" (152 x 533 mm)	5" x 20" (127 x 508 mm)
VLFEZ7X31		7" x 31" (178 x 787 mm)	6" x 30" (152 x 762 mm)	5" x 29" (127 x 737 mm)
VLFEZ8X32	/LFEZ8X32WS	8" x 32" (203 x 813 mm)	7" x 31" (178 x 787 mm)	6" x 30" (152 x 762 mm)
VLFEZ12X12	/LFEZ12X12WS	12" x 12" (305 x 305 mm)	11" x 11" (279 x 279 mm)	10" x 10" (254 x 254 mm)
VLFEZ24X24	/LFEZ24X24WS	24" x 24" (610 x 610 mm)	23" x 23" (584 x 584 mm)	22" x 22" (559 x 559 mm)
VLFEZ24X30	/LFEZ24X30WS	24" x 30" (610 x 762 mm)	23" x 29" (584 x 737 mm)	22" x 28" (559 x 711 mm)
VLFEZ24X32		24" x 32" (610 x 813 mm)	23" x 31" (584 x 787 mm)	22" x 30" (559 x 762 mm)
VLFEZ24X36		24" x 36" (610 x 914 mm)	23" x 35" (584 x 889 mm)	22" x 34" (559 x 864 mm)
VLFEZ24X56		24" x 56" (610 x 1422 mm)	23" x 55" (584 x 1397 mm)	22" x 54" (559 x 1372 mm)
VLFEZ24X60		24" x 60" (610 x 1524 mm)	23" x 59" (584 x 1499 mm)	22" x 58" (559 x 1473 mm)

## **CRL Slimline Series Door Vision Lites**

- Low Profile Design Beveled Vision Lite Frame
- Fire Rated
- Bronze Powder Coat Finish
- For Glazing Thickness of 5/16" to 1" (8 to 25 mm)
- You Supply the Glass







CRL's new Slimline Series Door Vision Lites are stocked with bronze powder coated frames. Fabricated from 20 gauge CRS, these Vision Lites are available in sizes from 6" x 27" (152 x 686 mm) to 24" x 30" (610 x 762 mm). Featuring trim with radius corners, a continuous glass retainer, a mitered and welded frame, and countersunk holes on the non-corridor side, the Slimline Series is designed for 1-3/4" (44 mm) thick doors, and is listed with both UL and WHI. Custom sizes and finishes are available upon request.

CAT. NO.	SIZE W X H	USES GLASS SIZE	EXPOSED GLASS
SL6X27	6" x 27" (152 x 686 mm)	5" x 26" (127 x 660 mm)	4" x 25" (102 x 635 mm)
SL7X22	7" x 22" (178 x 559 mm)	6" x 21" (152 x 533 mm)	5" x 20" (127 x 508 mm)
SL12X12	12" x 12" (305 x 305 mm)	11" x 11" (279 x 279 mm)	10" x 10" (254 x 254 mm)
SL24X30	24" x 30" (610 x 762 mm)	23" x 29" (584 x 737 mm)	22" x 28" (559 x 711 mm)

Minimum order: 1 each. Glass not included



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## CRL Serves the World From Three Continents With Ever-Improving Service Capabilities

#### • North America • Europe • Australia

C.R. Laurence has been a supplier to customers worldwide for decades, and can now offer our unmatched range of products and services from CRL locations on three continents: North America, Europe, and Australia.

#### Communicating

crlaurence.com

In our history we have prospered as a company because we've followed a path of innovation and growth, always seeking new ways to use the latest technology to expand our service capabilities. Major advancements in the world of communications have made much of this possible. We've always been among the first to introduce new ways of reaching our customers, and in return, have made it easier for them to do business with us.

C.R. Laurence was the first in our industry to offer toll free telephone ordering. For over 40 years our customers have been able to call our 800 number to place orders, ask questions about products, get prices, and communicate with us without it costing them a cent. Our recent expansion into Europe lets us offer the same free phone and free fax service to our customers on that continent.

In the early '80's we added toll free fax ordering, making it possible for our customers to fax their purchase orders, parts lists, shop drawings and other documents directly to our Customer Service Department at CRL Corporate Headquarters. It was during this time that we also introduced CRL FastFax, providing customers instant notification that their orders had been shipped.

One of our most important advances was the installation of the CRL Computer System in 1978. The power of our abilities multiplied many times when we went 'online' because we were better able to track inventory levels throughout our distribution network, and better able to process your orders quickly and more accurately. The ongoing evolution of the CRL Computer System now includes our Internet and fax servers, which empowers us to offer our customers in every corner of the world ever-improving service at every step in the process, from order entry through shipping and billing.

Some say our most important communications advancement was our entry into the business of Electronic Commerce with the introduction of the CRL web site in 1997. What was once a fledgling effort has blossomed into a self service web site featuring information regarding all of the products and services CRL has to offer. Customers who use **crlaurence.com** find an enlightening and comprehensive web site that is constantly improving with the addition of new features that make it quicker and easier to use. And now we have web sites especially tailored to the countries with which we do business.

C.R. Laurence makes a serious effort to promote ever-improving service by making the investments required to improve communications at every level. We want your business dealings with CRL to be simple, clear, and

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convenient. If you feel that we can improve communications at any level, we would like to hear from you. To submit comments, go to **crlaurence.com** and click on Contact Us, then click on Web Comments.

America

#### **Building A Network**

United

Australia

Providing the ever-improving service level we strive for means bringing CRL to our customers. From a single Los Angeles, California location we have grown to a network of Service Centers in six countries on three continents.

Each of our Service Centers is connected to Corporate Headquarters through our computer system, which monitors and updates inventory levels with the arrival of each new delivery truck and the shipment of each customer order. Every Service Center receives fresh inventory each week through our Inter-Branch Transfer System so stock levels can remain high. This improves the percentage of your orders we can ship complete, and usually on the same day we receive them.

Another advantage of having regionally located Service Centers in or near major metropolitan areas is the opportunity to serve our customers in person. Each CRL location has a Will Call Trade Counter open six days a week. For directions to CRL locations go to **crlaurence.com** and click on About CRL under the General Information menu to the left of your screen. The pop-up menu will give you a selection for Service Centers.

And in order to provide ever-improving service, the CRL network of Service Centers will continue to grow. In recent years CRL service has come to Australia and Europe with the opening of locations to serve customers on these continents. New or enlarged Service Centers are planned for metropolitan areas throughout the U.S. With the opening of each new facility, we make getting what you want from CRL faster and easier.

#### **Investing In People To Serve You**

The best way we can serve you is to have capable people available to answer your questions, take and expedite your orders, suggest solutions to problems you may be having with a job, or to assist you in any manner we can. We maintain ongoing training programs so that the CRL people who serve you will have at their command the resources to make your business transactions with us a pleasant experience.



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## **CRL Serves the World With Local and International Brands of Your Favorite Products**

North America

• Europe

• Australia



CRL's Global Headquarters in the Los Angeles, California area

## **Brand Names**

Product branding is the identification of a product by a specific name, and it is present in just about everything you buy. Whether it's groceries, garments, appliances, electronics or vehicles, we all have our favorite brands. We get to know and trust certain brands for their reputation of quality, good or bad, and we make buying decisions in part based on our familiarity and trust in a brand name.

The same is true for the products we use. Every professional has favorite brands that they trust for quality, service life, and value. Some of these names are familiar worldwide, and can be found in shops in virtually every country. Others are more local in scope, marketed only in certain countries or on certain continents.

As for quality, in many cases the "local" brands are just as good as the "international" brands, and provide equal value. They have their particular markets, and have excelled in them by producing top quality products at affordable prices.

## **CRL Brings The Best To You**

Operating on three continents allows us to bring brands to you that you may not otherwise have local access to. Our purchasing agents select quality products from vendors across the globe, and because we have a global distribution network these products can be made available through any of our Service Centers.

When you review our catalogs, both in print and online, you'll see many familiar brand names and some that will be new to you. Be assured that these new brands, including those products bearing the CRL brand name, are tested products that will deliver both quality and value.

As both a manufacturer and a distributor, CRL can bring you the best products at value prices. We're a brand name that you can trust.

#### Need It But Don't See It? Just Ask CRL

Our access to suppliers worldwide gives us the ability to deliver products from any of the brand names we advertise. If you need a certain product from a specific brand name, don't hesitate to ask us for a price and delivery time. We're experts at getting you what you want when you need it. Just ask us and we'll do our best to serve you.



CRL's Canadian Headquarters in the Toronto, Ontario area



CRL's European Headquarters in the Manchester, England area



CRL's Australian Headquarters in the Sydney, New South Wales area

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#### **C.R. LAURENCE COMPANY**

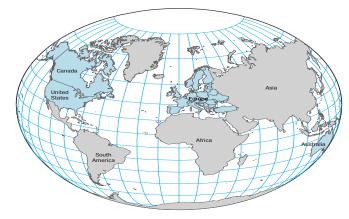
D528 | crlaurence.ca crlaurence.com.au crlaurence.co.uk crlaurence.de crlaurence.eu

## CRL Provides Global Service With Regionally Oriented Web Sites

- Access to All CRL Products and Services is Available 24 Hours a Day, Seven Days a Week When You Visit Us Online
- Our Sites are Updated Continually to Bring You Our Newest Products and Special Offers
- The Entry Port for 'All-Glass' Storefronts Online®, Showers Online, Hand Rails Online, and Our Other Web-Based Services

As a global supplier to the industries we serve, CRL recognizes that the power of electronic commerce strengthens our ability to serve you locally, as well as our other customers worldwide. And while the Internet has created a virtual "global village", it's important to also have the capability to tailor our web sites to the specific needs and business conditions of the continents on which we are based. That said, it became apparent that our web site, **crlaurence.com**, had to at the same time be global in appeal, but still local enough to be relevant.

Thus the creation of our Global Web Site Directory. When you visit our web site you are directed to the home page of the individual site designated to host your home country.



You can also move from one site to another simply by clicking on the directory icon at the top of the home page. From here you have access to all of our sites, giving you the opportunity to explore the entire scope of CRL's online world.

As we progress in this global strategy, look for us to include new translations of our Online Catalog into many more of the major languages. We are committed to spreading the virtual world of C.R. Laurence around the globe, and making your online shopping experience at **crlaurence.com** pleasant and easy to understand. We want you to be comfortable with CRL, and will work hard to make that possible.











#### When we introduced toll free fax service in the '80's we had no idea how popular it would become, but now our customers send us over 1,000 orders or quote requests every business day! Fax ordering is very convenient because you

can fill out your own purchase orders and then just fax them to us. You can be specific about shipping instructions or other details that will help us serve you. To send your orders or quote requests by toll free fax from anywhere in the U.S. or Canada, just dial (800) 262-3299. In Australia the number is 1800 813 013. In Europe the freefax number is 00 800 0262 3299.



#### • Our Friendly, Trained Staff is Always Happy to **Hear From You**

For over 40 years CRL has provided toll free ordering at (800) 421-6144. When you call our Customer Service Order Desk you'll find CRL staff who are trained to provide assistance with CRL products and services. They have instant access to pricing, stock availability, and the status of your account, plus they can connect you to CRL Technical Sales personnel if you need specialized product assistance. Order Desk hours are 6 am to 5 pm (Pacific Time) Monday through Friday, and 7 am to 12 pm Saturdays. In Australia our number is 1800 424 275. In Europe our freephone number is 00 800 0421 6144.



## Will Call Trade Counter

#### When You Need It Today, Our Will Call Trade **Counter is Your Fastest Option**

#### Come In and Visit Us at All CRL Service Center Locations

Every CRL Service Center location has a Will Call Trade Counter where you can place and pick up your orders in person. And when you place your order in advance by phone, fax, or over the Internet, we can have it ready and waiting for you, which can save you a lot of time. Will Call Trade Counter hours are 8 am to 5 pm Monday through Friday, and 8 am to 12 pm Saturdays. Some of our most experienced people staff our Will Call Trade Counter, and they are always happy to see you. Remember, to save time just place your order in advance.

Who May Buy

C.R. Laurence is a manufacturer and wholesale distributor. Possession of this catalog, or any other CRL sales literature, does not constitute an offer to sell. Orders from individuals (except professional tradesmen) may not be accepted.



## **CRL** Methods of Ordering Online at crlaurence.com

- crlaurence.com Never Closes!
- It's the Home of Our Online Catalog

Many of our customers have found the most convenient method of ordering from CRL is through our "self-service" web site. When you use crlaurence.com to place your orders you have many options that other methods don't provide. You set the schedule and the pace because you can sign on 24 hours a day, seven days a week. You can build a personal catalog and even make changes or additions to your orders online. There's no easier way! See pages D532 - D533 for more information about the benefits of ordering at crlaurence.com.

## **Toll Free Fax Service**

#### This Convenient Way of Ordering is Used Over 1,000 Times Every Day

## **CRL MANUFACTURING**



Los Angeles, California Headquarters of CRL Manufacturing

## **CRL Manufacturing**

- Making Quality Products for Over 50 Years
- User of Progressive ISO9001:2008 **Manufacturing Processes**
- Mechanical and **Technical Expertise Available to Assist** Your Manufacturing Processes

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You may know C.R. Laurence Company as the world's largest distributor of supplies to the glass industry. What you may not know is that we are also a manufacturer of over 10,000 products found in our Online Catalog. We make some of the best products available to customers worldwide. Our people use progressive ISO9001:2008 manufacturing processes to make products for the Glazing, Architectural, Railing, Screen, Construction, Industrial, and Automotive industries. These certified processes ensure that we give every product our full attention to detail.

Using strict manufacturing standards we produce the kind of quality products that have kept us at the head of this field for many years. That's your assurance that when you select a product made by CRL Manufacturing, you have made the best possible choice.

We're always looking for ways to make our products better, and along the way we've added experts from different fields to our staff of designers, engineers, and craftspeople. Our goal is to make our products a better value to you, whether it's time or labor savings, extended service life, increased versatility or enhanced visual appeal.



Go to the home page of **crlaurence.com** and click on Video Library. From there you can select a seven-minute video presentation detailing CRL's product line and manufacturing capabilities.



Many of our products incorporate industry "firsts"; features offered by no other manufacturer because we feel that no product or process is so good that it can't be improved. We strive to make products of high quality and value. That's the goal we set for ourselves at the onset, and it's still our guiding influence. Some of the improvements we've made have originated from people who have used our products and generously contributed their opinions and suggestions. We welcome your comments, and invite you to contact us at any time regarding a C.R. Laurence product.

Expansion of our manufacturing capability has brought our total manufacturing floor space in California to roughly 650,000 square feet. CRL now has almost 1 million square feet of distribution and manufacturing capability in the local area to better serve our customers. We also have a 90,000 square foot machinery facility in Ciero, Illinois, and a new facility in Melbourne, Australia for the manufacture of our Vacuum Lifters. It's all part of CRL's commitment to provide good guality products with short lead times to the industries we serve.



D531

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# **CRLAURENCE.COM ONLINE CATALOG**

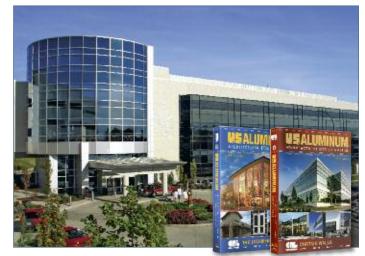
## Welcome to the C.R. Laurence Online Catalog

- Thousands of Pages of Quality Products and Helpful Information are Just Clicks Away, Anytime, and at Your Convenience
- It's the Best Way to Shop at CRL

What's the best way to shop at C.R. Laurence? Visit the Online Catalog at **crlaurence.com**. Our Online Catalog brings you thousands of pages from our many printed catalogs, all of them in full color, and linked to our ordering module so you can browse and shop at any time it's convenient. You can check prices, review stock levels, and get the most complete and up-to-date details on the products we offer. And you can do it all from any PC.

Our "self-service" web site and Online Catalog are the most comprehensive and convenient up-to-date information sources we can offer. Explore some of our most popular product lines or review individual products. CRL has over 50,000 of them organized by specific product categories.

The convenience of having all CRL catalogs combined into one Online Catalog is the quick and easy way to find just what you need, available at your convenience, whenever you're ready. And if you ever need assistance, just contact us over the Internet or by toll free phone. We'll be glad to help.









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# **CRLAURENCE.COM ONLINE CATALOG**



We know that the most efficient way for our customers to shop at CRL is by using this carefully planned and thoroughly prepared Online Catalog that makes it easy for you to find the CRL products and services that will best meet your needs. C.R. Laurence Company is committed to making our Online Catalog your best source for information and technical support.

What you will find at **crlaurence.com** is a link to who we are, what we do, and what we have to offer our customers. The CRL "self-service" web site allows us to use the powers of Electronic Commerce to bring you closer to all of the products and services that we offer. We take a Business-to-Business approach of conducting business over the Internet because it gives us so many ways to connect with you. Our web site provides methods of searching for and ordering products that just a few years ago would have been impossible were it not for the versatility of this powerful tool.

Empowerment is what a good web site is all about. We let you make the decisions that will best serve you. You can build your orders and submit them 24 hours a day, seven days a week, at your convenience. You can review over 50,000 products which we make available, including pricing and current stock availability.

All of this and more is available to CRL customers who have signed on to our web site and become part of the world of **crlaurence.com**.



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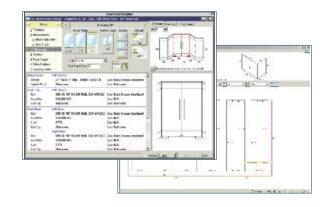
# **CRL ONLINE SERVICES**

## CRL 'All-Glass' Storefronts Online®

- Request Quotes and Order Directly From the Program
- You Can Create a Job Template Library or Clone Any Saved Project
- New Branding Features Add Your Company Logo to Documents
- Direct Link to CRL Web Site From the Program
- CRL Training Webinars to Get You Started

Designers of 'all-glass' storefronts will find our web based 'All-Glass' Storefronts Online<sup>®</sup> program to be a real time and money saver. It is tailored for use in most any 'all-glass' storefront applications using 3/8", 1/2" or 3/4" (10, 12 or 19 mm) glass, including doors, sidelites, transoms, and fin supports with full top and bottom rails or patch fittings. Our program will create a hardware list, print glass sizes, and create a quote sheet in minutes. This includes warnings regarding any issues that may conflict with a complete and sound entrance. You can simply log on from any computer that is connected to the Internet. All the processing takes place on our computers so you do not need any special hardware to run it. Any Windows-based PC running Windows 2000 or newer with a minimum of 56K modem can be used. Go to **crlaurence.com** and sign up for our Webinar and a FREE 30-day trial.





## CRL Storefront and Curtain Wall Estimating Software

C.R. Laurence and U.S. Aluminum are offering storefront and curtain wall estimating software programs that allow you to produce professional plan views and make hardware ordering lists right from your own PC.

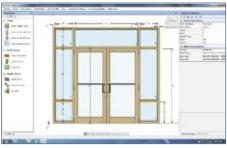
A powerful stock material optimizer allows you to check and modify cut pieces before the job is optimized. You get glass sizes based on elevations drawn, and a print sheet can be produced for the shop to use for optimization of materials. The software provides you with libraries of common curtain wall and storefront templates that can be tailored to a particular project or you can build your own library of your most common designs. You can also copy and modify past jobs.

Contact U.S. Aluminum Technical Sales toll free at (800) 262-5151 for information on how you can put this valuable innovation to work for you.

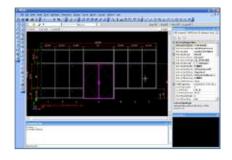








FOR MORE INFORMATION ON CURTAIN WALL AND STOREFRONT ESTIMATING SOFTWARE CALL US TOLL FREE (800) 262-5151





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## **CRL CATALOGS AND LITERATURE** C.R. Laurence is a Catalog Company

- Master and Specialty Catalogs in Print and Online
- Thousands of Products Presented in an Organized Manner
- Color Photos and Detailed Illustrations
- Easy to Understand Ordering Information

Of all the products we bring you, our catalogs may be the most important. C.R. Laurence is in the business of making catalogs because we know that our customers find it convenient and informative to use these carefully planned and thoroughly prepared catalogs that make it easy for them to find exactly what they need.

Part of our catalog philosophy is to bring more of the information you need, and not overburden you with excess catalog literature. That is why we make our Master Catalogs that usually contain all of the products we offer to certain industries, as well as our Specialty Catalogs that focus on particular product groups. You can select CRL Catalogs for only the areas that pertain to your business, or choose to shop from our Master Catalogs because you like the convenience of finding such a wide variety of products all under one cover.

Our Catalog Library continues to grow with the publication of new Specialty Catalogs on a regular basis. Visit our Catalog Library online at **crlaurence.com** to see our latest editions.

## Free CRL Catalogs Online

You can also view or download CRL Catalogs free of charge any time at **crlaurence.com**. Go to the Home Page and click on the link for the CRL Catalog Library.



Once you open the page you'll be able to view full PDF versions of each catalog simply by clicking on the image of that catalog's cover. Browse through them page by page at your convenience. When you find a product that you want more information about, or would like to order, just click on its Catalog Number and you'll go directly to that product's Offer Page. It's another convenient way for you to shop at crlaurence.com.

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## **Master Catalog Selection**

- 03 SEALANTS, ADHESIVES, AND FASTENERS
- 23 FRAMELESS SHOWER DOOR HARDWARE
- 43 AUTO GLASS TOOLS AND WINDOWS
- 53R GLASS AND GLAZING HARDWARE
- 63A ARCHITECTURAL HARDWARE
- 63R ARCHITECTURAL RAILING
- 73 TOOLS, MACHINERY, AND EQUIPMENT
- 83 WINDOW AND DOOR REPLACEMENT HARDWARE

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# PHONE, FAX AND E-MAIL DIRECTORY

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## Customer Service Order Desk

- Get Product Information
- Request Price Quotes
- Check Stock Availability

- Place or Trace Orders
- Check Your Account Status
- Request Catalogs

Customer Service Order Desk hours are 6 am to 5 pm (Pacific Time) Monday through Friday, and 7 am to 12 pm Saturday. If you wish to pick up your order at the Will Call Trade Counter of our regional warehouses the hours are 8 am to 5 pm Monday through Friday, and 8 am to 12 pm Saturday. For the fastest Will Call service be sure to place your order in advance so we can have it ready upon your arrival.

## **Technical Sales Business Groups**

## **Door and Window Control Hardware**

- Door Closers and Hardware
- Commercial Door Hardware
- Insulating Glass Supplies
- Patio Door Hardware
- Residential Window Hardware
- Balanced Doors
- Screen Wire and Supplies
- Storm Door and Window Supplies
- Screen and Security Doors

## **Glass and Glazing**

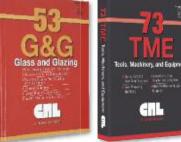
- Glass Handling Equipment
- Glazier's Tools and Machinery
- Mirror and Glass Hardware
- Retail Display Hardware and Standoffs
- Safety Gear
- Sealants, Adhesives, and Fasteners
- UV Glass Bonding
- Vacuum Lifting Equipment
- Glass Cleaners
- Security Solutions for the Locksmith Industry

## **Online Assistance** by Telephone:

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International (323) 588-1281







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GLASS BONDING SYSTEM

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# **PHONE, FAX AND E-MAIL DIRECTORY**

## **Technical Sales Business Groups**

#### **Architectural Hardware**

- Architectural Storefronts
- 'All-Glass' Entrance Systems
- Door and Sidelite Rails
- Glass Walls and Partitions
- Stacking and Sliding Glass Doors
- Structural Glass Fittings
- Balanced Doors
- Bi-Folding Doors

## Blumcraft Architectural Metals

- Tubular Architectural Hardware
- Tempered Glass Door Hardware
- Panic Hardware
- Railing Systems
- Smoke Baffles
- Glass Gates
- Display Case Doors

## Architectural and Ornamental Metals

- Custom Entrances and Storefronts
- Canopies and Sunshades
- Column Covers (Cladding)
- Ornamental Hand and Guard Rails
- Wall Panel Systems
- Brake Shaped Metals

## **U.S.** Aluminum

- Storefronts and Entrance Doors
- Window Walls
- Curtain Walls
- Sun Control Systems
- Windows
- Hurricane Resistant Systems
- Blast Mitigation Systems

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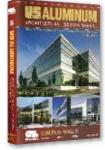
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# PHONE, FAX AND E-MAIL DIRECTORY

## **Technical Sales Business Groups**

## **Frameless Shower Door**

- Hinges and Clamps
- Knobs and Pull Handles
- Sliding Shower Enclosures
- Towel and Grab Bars
- Clear Polycarbonates, Vinyl Seals, and Edge Wipes
- Vanity and Wardrobe Mirrors
- 'All-Glass' Restroom Partitions
- Shower Installation Tools

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AILING SYSTEM

## **Architectural Railings**

- Aluminum Railing Systems
- Cap Railing Systems
- Hand Railing Systems
- Heavy Glass Base Shoe
- Post Railing Systems
- Windscreen and Gate Systems

## Transaction and Hospitality

- Bullet Resistant Exchange Windows
- Drive-Thru and Walk-Up Windows
- Food Service Sneeze Guards
- Partition Posts and Booth Dividers
- Safety and Security Mirrors
- Speak-Thru Devices

## **Automotive**

- Auto Glass Shop Products
- Auto Glass Tools
- Pop-Up and Electric Sunroofs
- Truck Sliding Rear Windows
- Van and RV Windows



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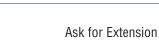






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