

# ARCHITECTURAL HARDWARE

DIVISIONS: 05, 08, 10

## 'ALL-GLASS' ENTRANCE SYSTEMS



- ARCHITECTURAL METALS
- DOOR AND SIDELITE RAILS
- DOOR CLOSERS
- CENTER LOCKS
- GLASS CLAMPS
- HEADERS AND CHANNELS
- LADDER PULLS
- LOCKING HARDWARE
- DOOR CLOSERS AND HINGES
- PATCH HARDWARE
- PIVOT DOOR SYSTEMS
- PUSH/PULL HANDLES
- SLIDING AND STACKING  
GLASS DOOR SYSTEMS
- SPIDER FITTINGS
- STANDOFF SYSTEMS

**CRL**<sup>®</sup>

C.R. LAURENCE COMPANY  
crlaurence.com





# A Letter From The President

C.R. Laurence Company continues to offer the glazing industry innovative, high quality products as it has for over 40 years, but with an expanding emphasis on Architectural Hardware and services. From our state of the art 270,000 square foot ISO 9001 Certified manufacturing facility in Los Angeles, California to our 25 distribution locations throughout the United States, Canada, Australia, and Europe, our goal is to provide products of the highest quality and value, and to maintain our leadership position in the glazing industry.

In this catalog you will find an extensive selection of architectural hardware for the construction of beautiful 'all-glass' storefronts and entrances, beginning with our patented Wedge-Lock™ Door Rails and our impressive line of Storefront Hardware. We added our complete line of Access Control Hardware, from Panic Handles to Door Closers, simplifying your hardware selection process for commercial doors. We have also included our newest product lines, the CRL Stacking Partition System, Laguna Series 'All-Glass' Door Hardware, Standoffs and Patch Hardware, and our rapidly growing line of Architectural Metals.

CRL supports our extensive product lines with a Technical Sales Department through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products. It's that easy!



A handwritten signature in black ink, appearing to read 'Lloyd W. Talbert'.

**Lloyd W. Talbert**

President and C.O.O.





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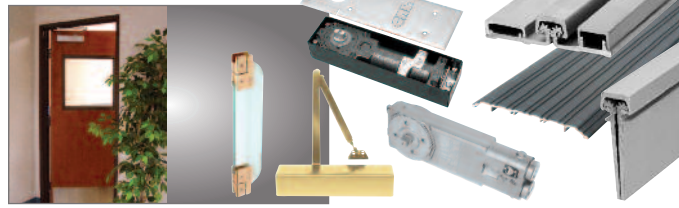
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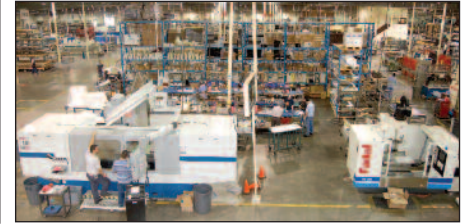






## CRL Manufacturing

- **Making Quality Products for Almost 40 Years**
- **User of Progressive ISO9001:2008 Manufacturing Processes**
- **Mechanical and Technical Expertise Available to Assist Your Manufacturing Processes**



You may know C.R. Laurence Company as the world's largest distributor of supplies to the glass industry however; you may not know that we are also a manufacturer of over 5,000 products found in our Online Catalog. Our 270,000 plus square foot manufacturing plant in Vernon, California is just five minutes from CRL Corporate Headquarters, and ten minutes from downtown Los Angeles. It is here that 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, Railing, Architectural, Construction, Industrial, and Automotive industries. These certified processes ensure that we give every product our full attention to detail.

There are many industries served by the products manufactured in our California plant. We make architectural hardware for new and retrofit building construction, railing systems and windscreens for balconies and decks, security transaction windows and devices, display hardware for the retail trade, specialty tools for the glazing trade, hinges and other products for frameless shower doors, and automotive windows for trucks, vans, and RV's.

Using strict manufacturing standards we produce the kind of quality hardware that has 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 knowledgeable experts in their 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.

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.





## Let CRL Manufacturing Put Our Expertise and Resources to Work for You

### CRL Can Meet Your Manufacturing Needs With Our Extensive Array of Equipment and Our Knowledgeable Staff

C.R. Laurence can meet the manufacturing needs of businesses large and small. CRL Manufacturing offers a variety of services to help you produce high quality products you will be proud to put your name on. We manufacture quality tools, parts, and accessories for some of the world's largest corporations, while also serving the needs of smaller, more specialized businesses. CRL will help you make products you can provide to your customers with complete confidence.

### What CRL Offers as Your Manufacturing Partner

CRL's capabilities encompass almost every phase of the manufacturing process, from the early stages of design, all the way through to packaging and shipment. We can supply such services as:

- Design
- Machining
- Polishing
- Cleaning
- Engineering
- Bending
- Finishing
- Packaging
- Cutting
- Welding
- Powder Coating
- Shipping
- Milling
- Assembly

## WXYZ 10000 Series CNC Router

The Most Flexibility of Any Router Table on the Market



- Multiple tooling configurations available including drills, saws, and automatic tool changers with 8-position carousels
- Cutting Area: 68" x 192" (1.7 x 4.9 m)
- Maximum Cutting Thickness: Up to 2" (50.8 mm)
- Fabricates All Composite Materials, Aluminum, Bronze, Plastics, and Wood

## CUTEX 240 CNC Lathe

A Significant Investment in Our Commitment to Manufacturing Quality



- Materials: Stainless Steel, Aluminum, and Plastic
- Tool Turret: Quick Change 20 Station
- Machining Diameter: Up to 6" (152.4 mm)
- Live Tooling: 5000 RPM 3HP
- Machining Length: Up to 23" (584.2 mm)
- Main Spindle: 5000 RPM 20HP
- Sub Spindle: 5000 RPM 7.5HP

## Heller Mechanical 4-Roll Plate Bending Machine

Machine is Able to Bend Up to 5/16" (7.9 mm) Thick Stainless Steel, Bronze, Aluminum, and Composite Materials

- Bends Round and Elliptical Column Covers
- Minimum Diameter: 12" (305 mm)
- Maximum Working Length: 161" (4.1 m)
- Maximum Material Thickness: 5/16" (7.9 mm)





## FLOW IFB Integrated Flying Bridge Waterjet

State of the Art Technology With the Highest Quality Standards



### CRL's Newest Addition of the FLOW IFB Waterjet Cutting System Provides "Cutting Edge" Technology to Our Customers

- Cuts Glass, Stone, Metals, and Composites
- Provides the Most Precise and Accurate Cut Possible by Using a Combination of High Pressure Water and Garnet Abrasive
- Gives Architects and Designers the Freedom to Create any Custom Design
- Able to Cut Complex Shapes and Design Patterns
- Cuts Without Heat Affected Zones or Markings
- Excellent Cut Edge Quality
- Able to Cut Through Materials of Any Thickness



## TRUMATIC L3030 CO<sub>2</sub> Laser

A Significant Investment in Our Commitment to Manufacturing Quality



### CRL's Addition of the TRUMATIC L3030 CO<sub>2</sub> Laser Cutting System Provides the Following Technologies to Guarantee Optimal Laser Processing Results:

- Provides Clean Oxide and Burr Free Cut Edges on Aluminum Alloys, Stainless Steel, and Thin Carbon Steel
- Common Line Cutting Optimizes Processing Time and Material Usage by Defining Common Cuts
- Plasma Sensing System to Monitor and Regulate the Cutting of Stainless Steel
- Microwelding Attaches Parts Through Spot Welding
- Optimized Processing to Reduce Cycle Times
- Parts Marking for Identification Purposes





## CRL Manufacturing's Strengths Become Your Strengths

### CRL's Manufacturing Quality

C.R. Laurence Manufacturing has decades of experience in producing products for the industries that we serve. During that time we've learned a lot about what it takes to make quality products, and do so in a cost-effective manner. We've also learned what it takes to please customers who have very high standards, and the kind of investment necessary to reach our quality goals.

## TrumaBend V3200 CNC Press Brake

**A Significant Investment in Our Commitment to Manufacturing Quality**



### **CRL's Addition of Two TrumaBend V3200 174" Press Brakes, Along With Our Other Press Brakes and Shears, Provides the Production Capacity to Meet Your Cladding and Sheet Metal Needs**

- Bending Length: 174" (4.4 m); Maximum Width: 145" (3.7 m); Throat Depth 16.5" (419 mm)
- Downstroking press brake allows the work piece to remain at the same working height firmly positioned against the backstop. Even with thin sheets, this ensures a high degree of flange accuracy and angle accuracy
- All tool segments are of standard width – up to 4" (101.6 mm) – and can be quickly exchanged, resulting in greater flexibility and reduced set up time
- A long stroke, very generous bend space, and an especially large effective tool height allows multiple tasks to be performed
- Supported by TRUMPF's ToPs 600 bending software to reduce set up and positioning times for higher productivity

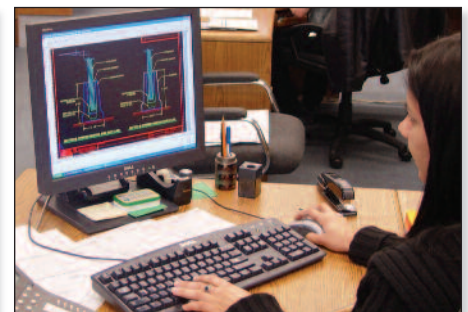
## C.R. Laurence Manufacturing Start to Finish



Your Product, Design or Idea



Design Review

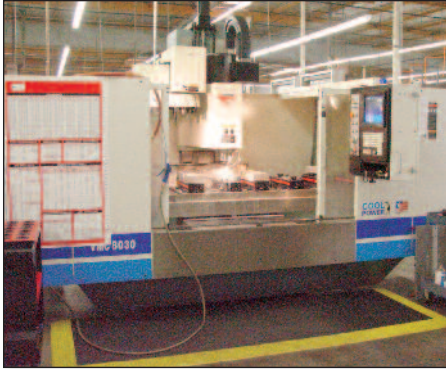


Engineering

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. To send e-mail go to [crlaurence.com](http://crlaurence.com), click on Contact Us, and then click on Technical Sales for Commercial Products.



## Let CRL Manufacturing Do the Work for You



### CRL's CNC Milling Machine Center

#### FADAL VMC V8030

- Cuts at Up to 10,000 RPM for Clean and Quick Cuts
- Speeds of Up to 400" (10.1 m) per Minute
- Working Size Up to 80" x 30" (2032 x 762 mm)

#### HAAS VF10/40

- Cuts at Up to 7,500 RPM for Clean and Quick Cuts
- Speeds of Up to 600" (15.2 m) per Minute
- Working Size Up to 120" x 32" (3048 x 813 mm)

#### FADAL VMC V4020

- 15,000 RPM Spindle for Clean and Quick Cuts
- Speeds of Up to 600" (15.2 m) per Minute
- Working Size Up to 40" x 20" (1016 x 508 mm)



### CRL's Machine Shop

- Complete Machine Shop Capabilities
- Mills, Lathes, Drills, Saws, Etc.
- Cutting, Grinding, Drilling, Tapping, and More

### CRL's Wood and Plastics Shop

- Complete Wood and Plastic Shop Capabilities
- Drills, Panel Saws, Table Saws, Routers, Etc.
- Cutting, Drilling, Routing, and More

## C.R. Laurence Manufacturing Start to Finish



Cutting



Milling



Machining

### Do You Have a New Product That Could be Made by CRL? Need Help With a Current Product? Contact Us

We welcome the opportunity to serve you, and are committed to providing your business with the services that produce quality products. To discuss the possibility of working with CRL Manufacturing we invite you to 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. To send e-mail go to [crlaurence.com](http://crlaurence.com), click on Contact Us, and then click on Technical Sales for Commercial Products.





## Use CRL's Equipment and Processes to Develop Your Project



### CRL's Metal Shear and Punch Department

- Metal Shearing of Up to 3/16" (4.7 mm) Thick Mild Steel
- Maximum Shearing Width of Up to 14' (4.2 m)
- CRL Manufacturing has 50 Punch Presses With Hundreds of Dies
- Custom Dies Made Quickly for Special Applications

### CRL's Bending Department

- CRL has Over a Dozen Rotary Hydraulic Benders
- CRL has Hundreds of Dies for a Variety of Profiles and Radii
- CRL Offers a 3-Roller Bender to Bend Flat Bar, Square, Rectangular, or Round Tubing



### Advantages to CRL's Robotic Arc Welding Automation

- Automated Robotic Arc Welding Provides Untiring Production Cycles and Greater Accuracy
- Faster Part Cycles
- Improves Quality and Reliability

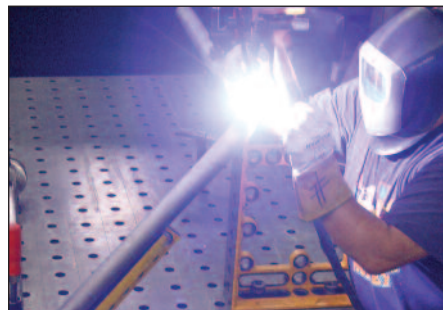
### CRL's Welding Center

- Over One Dozen Fully Equipped Welding Stations
- Welding Capabilities Include Aluminum, Brass, Stainless Steel, and More

## C.R. Laurence Manufacturing Start to Finish



Bending



Welding



Assembly

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## CRL's Total Manufacturing Service Includes Bonding, Finishing, and Cleaning



### CRL's Bonding Center

- CRL's Urethane Bonding Provides Attachment Without Mechanical Fasteners for a Cleaner, More Modern Appearance
- American Ultraviolet Co., Ultraviolet Bonding for Bonding Glass to Metal Without Mechanical Fasteners



### CRL's Assembly Center

- Once Your Parts are Manufactured CRL's Assembly Center Can Put Them Together



### CRL's Finishing and Polishing Department

- We Offer Finishing Capabilities for Aluminum, Brass, Stainless Steel, and More
- We Can Apply Brushed, Satin, and Hairline Finishes
- We Offer Polishing Capabilities for Aluminum, Brass, Stainless Steel, and More
- Almost Any Size or Length
- Climate Controlled Environment



### CRL's Cleaning Department

- Custom Designed Ultra Sonic Cleaner
- Capacity to Clean Parts After Finishing or Prior to Painting

## C.R. Laurence Manufacturing Start to Finish



Polishing



Finishing



Cleaning

### Do You Have a New Product That Could be Made by CRL? Need Help With a Current Product? Contact Us

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## Choose CRL as Your Manufacturer from Start to Finish

CRL Painting Center Now Includes Spraylat NEWLAR™ with CRL as an Approved Applicator

- 100% Fluoropolymer Architectural Powder Coating
- Performs to AAMA 2605 Without the Use of Primer
- Green Technology - No VOC's/Hazardous Waste
- Superior Scratch and Abrasion Resistance
- Exceptional Chemical Resistance
- 15-Year Performance Warranty
- Powder Coating Up to 20 foot (6 m) Lengths
- Ability to Paint Any Architectural Color on the Market
- SilverSan™ Antimicrobial Powder Coating Available

CRL's determination to meet the demands of today's challenges for superior performing architectural products and environmentally friendly application properties has been achieved through Spraylat's NEWLAR™, which offers superior mechanical properties, has a harder finish, and resists scratching and marring during fabrication, assembly and installation. NEWLAR™ is warranted for 15 years when applied by approved applicator C.R. Laurence Company.

### CRL's Additional Services Include:

- A Staff of Engineering Professionals Willing to Work With You to Achieve Maximum Quality Products
- CRL's Worldwide Volume Purchasing Power on Materials
- Cutting Services for Production and Custom Order Jobs
- Batch Manufacturing for Reduced Turnaround Times and Costs per Unit
- Expert Packaging and Worldwide Shipping

### Your Best Choice in a Manufacturing Partner

When looking for a manufacturer to make your idea or concept into a marketable product, you can choose CRL Manufacturing with confidence. We at CRL know that our years of experience, our modern technology, and our commitment to excellence can be your best choice for a partner in manufacturing.

### C.R. Laurence Manufacturing Start to Finish



Painting



Packaging



Shipping



### CRL Automated Painting Center



- Automated Powder Coat Line for Black Paint
- Washer, Dryer, Powder Application, and Oven for Lengths Up to 48" (1219 mm)

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. To send e-mail go to [crlaurence.com](http://crlaurence.com), click on Contact Us, and then click on Technical Sales for Commercial Products.



## CRL 'All-Glass' Storefronts Online®





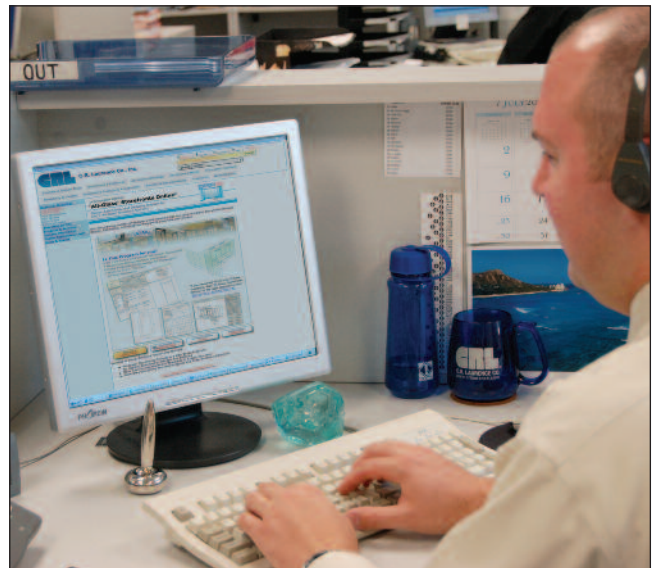
## CRL 'All-Glass' Storefronts Online®

### Web-Based Design, Estimating, and Ordering Program for 'All-Glass' Entrances

- Produces a Complete Quote Package From Your Desktop in Minutes
- Produces Every Glass Size Required for Your 'All-Glass' Entrance
- Determines All Hardware Quantities Needed for Each Project
- Allows You to Order Material Directly From Your Computer
- Produces a Full Color 3D Rendering and Dimensioned Plan View for Field Installation

*There's  
Nothing Else  
Like 'All-Glass'  
Storefronts  
Online®!*

*Ask About  
Our FREE  
30 Day  
Trial Offer*



## Is This Program for You?

- Do You Quote and Install 'All-Glass' Entrances?
- Need Help Designing Safe Entrances?
- Need Professional Drawings for Proposals?
- Want to Grow This Part of Your Business?

If you answered YES to any of these questions, then 'All-Glass' Storefronts Online® is the right software for you! Join the growing number of designers and installers that are using the 'All-Glass' Storefronts Online® Design, Estimating, and Ordering System and reap the benefits of saved time and money!

Our program is tailored for use with most any of our 'All-Glass' Storefront systems and hardware for 3/8", 1/2", and 3/4" (10, 12, and 19 mm) thick glass, including doors, sidelites, transoms, and fin support with full top and bottom rails or patch fittings. 'All-Glass' Storefronts Online® takes your rough notes and dimensions and transforms them into finished quotes complete with 3D drawings and confirmations you can use with your customers to secure more projects quickly and easily. When you are ready to order your hardware and glass for the job, 'All-Glass' Storefronts Online® prepares glass fabrication sheets and allows you to order all your needed hardware online. It just doesn't get any easier than this!

## Benefits of Using 'All-Glass' Storefronts Online®

- 'All-Glass' Storefronts Online® is a web-based program, so you can log on from any computer that is connected to the World Wide Web.
- No need to download or maintain any software. The entire program is run on our servers so you do not need any special hardware to run it. Any PC with a minimum 56K modem can be used.
- 'All-Glass' Storefronts Online® calculates needed hardware and glass sizes, supplies necessary cutout templates, and generates quote and installation sheets.
- Warnings are given regarding any issues that conflict with a complete and sound entrance.
- 'All-Glass' Storefronts Online® starts you out with many easy to use templates of entrances, but also allows you to build your own library of your most common designs. You can also copy and modify past jobs.
- Easy to print out elevations can be saved as PDF files and used as confirmations to your customers.

*'All-Glass' Storefronts Online® is Just One of Our  
Family of Online Services, Including Hand Rails  
Online, and Showers Online*



## CRL 'All-Glass' Storefronts Online®



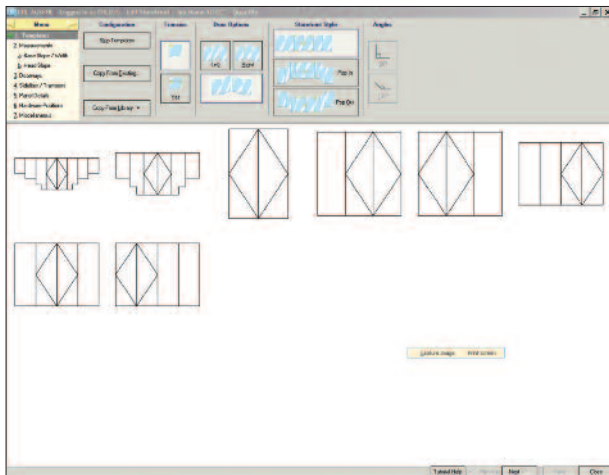
### Easy to Learn

- 'All-Glass' Storefronts Online® is Web-Based, So There is No Program to Load
- Everything is Run Off Our Servers
- No Set-Up Time Required

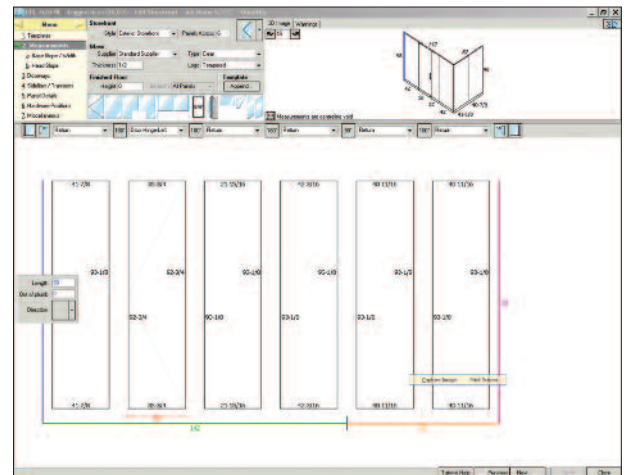
- Webinars to Get You Off to a Fast Start
- Technical Sales Team Available to Help Train Employees to Design and Estimate 'All-Glass' Entrances

You can be up and running in 15 minutes, creating quotes, hardware lists, and glass sizes faster than ever before! Visit our web site at [crlaurence.com](http://crlaurence.com) and attend one of our Webinars to get a jump-start on using the program! 'All-Glass' Storefronts Online® is designed to take you through the entire estimating process step by step so that you create complete and accurate estimates the first time through. Our Technical Sales Department will be glad to walk you through the initial details of 'All-Glass' Storefronts Online®, and then "shadow" you as you actually use the program. Our Specialists use the program themselves, so they are most qualified to make you an expert user quickly.

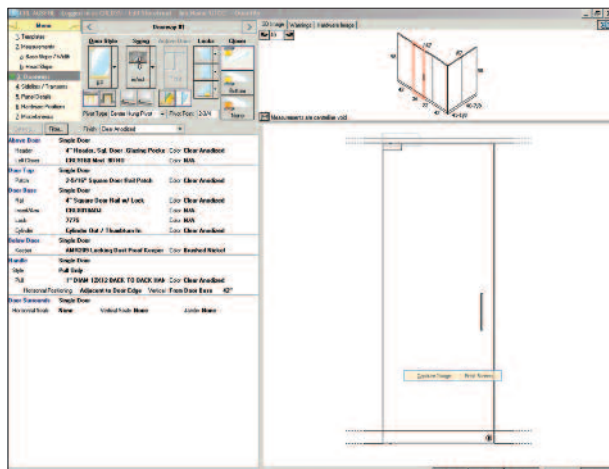
### Step 1: Simply Click on the Desired Storefront Configuration and Use the Provided Menu



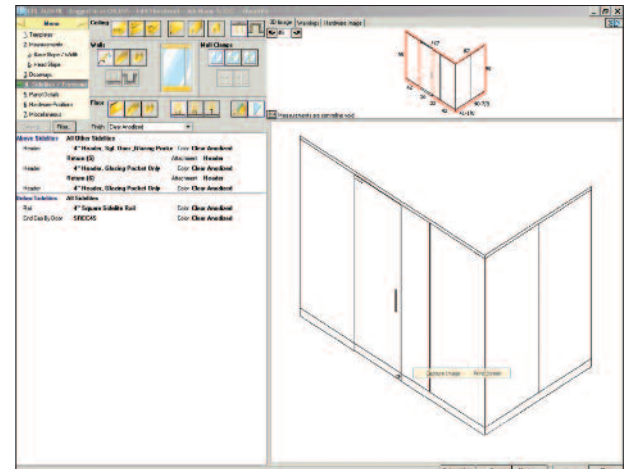
### Step 2: Enter the Finished Opening Sizes for Your Project



### Step 3: Choose the Door Type You Will Be Using and the Desired Hardware



### Step 4: Specify Any Fixed Panel Requirements



Ask CRL Technical Sales About Our FREE 30 Day Trial Offer on Any of Our Online Programs





## CRL 'All-Glass' Storefronts Online®

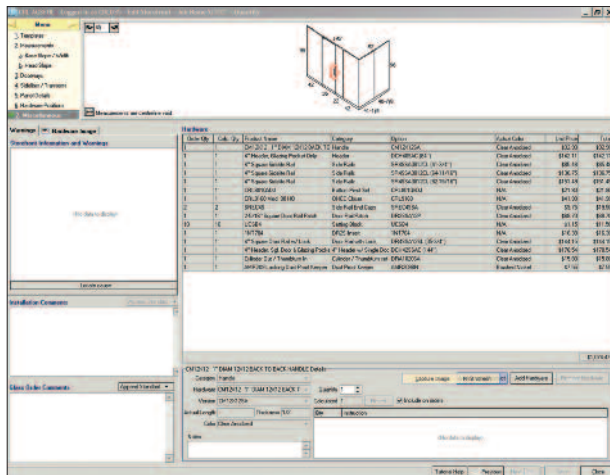


### Grow Your Business With The Resources You Have

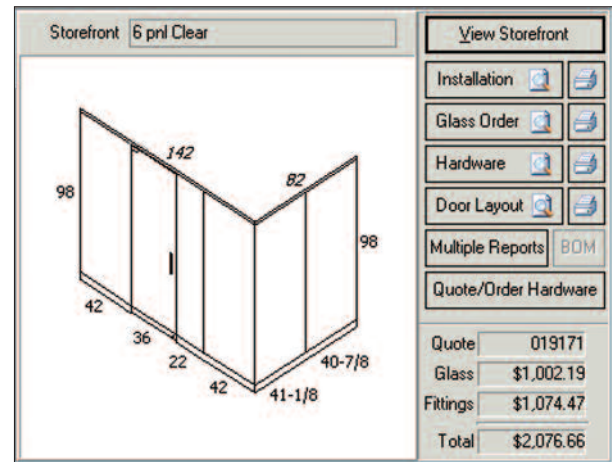
- Design Most Any Custom 'All-Glass' Entrance in Minutes
- Produce More Professional Quotes and Presentation Drawings
- Get Accurate Glass Sizes Immediately

It's like getting a seasoned professional without the high cost and years of training required to get to the expert level that this program offers! This intuitive program turns an entry level estimator into an experienced, knowledgeable professional by limiting selections based upon data entered. To keep the 'all-glass' openings safe and within GANA guidelines warnings are applied. For assistance or 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 Extension 7700. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

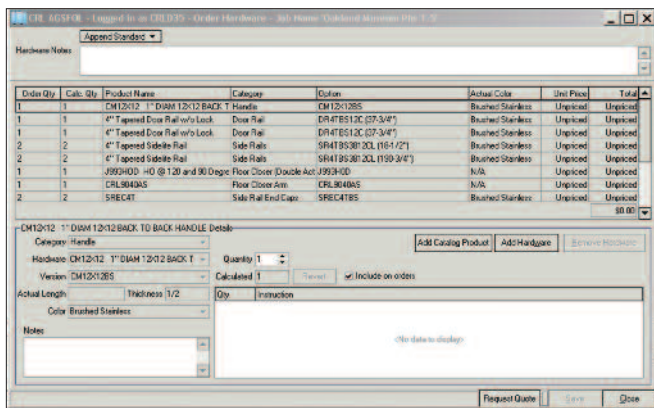
### Step 5: Add Additional CRL Products Required for the Job



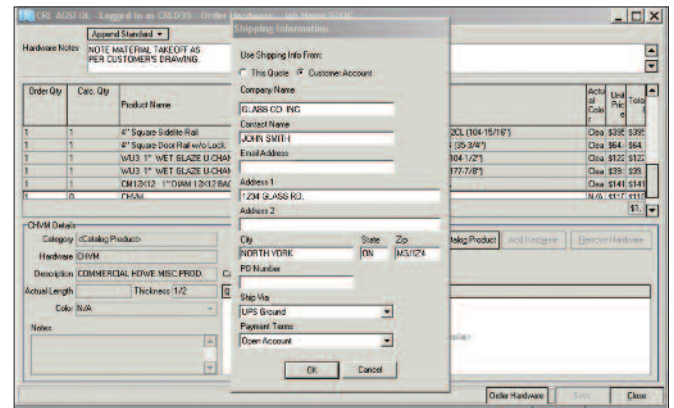
### Step 6: Final Printouts of Layout, Hardware List, Glass Sizes Generated, and 3D Drawings for Job Confirmation



### Step 7: Request a Hardware Quote Online and Receive Pricing Instantly



### Step 8: Place Your Order for the Quoted Hardware Online - Quick and Easy!



Ask CRL Technical Sales About Our FREE 30 Day Trial Offer on Any of Our Online Programs





## What Does **QUICK PICK** Mean to You?



Look for the **QUICK PICK** Arrow

QUICK PICK means stock on hand of hundreds of items, so you can complete your Commercial Glass Entrance project and move on to the next one.

CRL has recognized the need for you to meet job deadlines and avoid costly delays. Numerous Door Rails, Sidelite Rails, U-Channels, Headers, Panic Handles, and other accessory items are on CRL Los Angeles warehouse shelves today waiting for your call. Your Quick Pick order will be put on the next CRL re-supply truck leaving for your local branch. Re-supply trucks deliver stock to your local branch every week, so your order is never more than just a few days away. If you're really short on time, you have the option of having your order shipped directly from Los Angeles to you. Shipping charges will apply of course. Remember, if you don't see what you need, ask our Technical Sales Representatives to help you get what you want in the shortest possible time.



## Contact CRL Technical Sales

Phone (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](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

## Door Rails

Pages Z422 to Z434



## Sidelite Rails

Pages Z442 to Z451



## Panic Handles



Pages Z466 to Z472

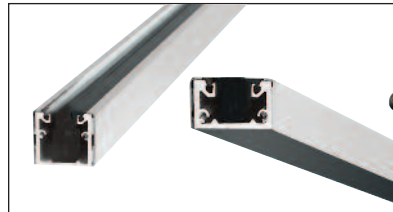
## Headers

Pages Z458 to Z463

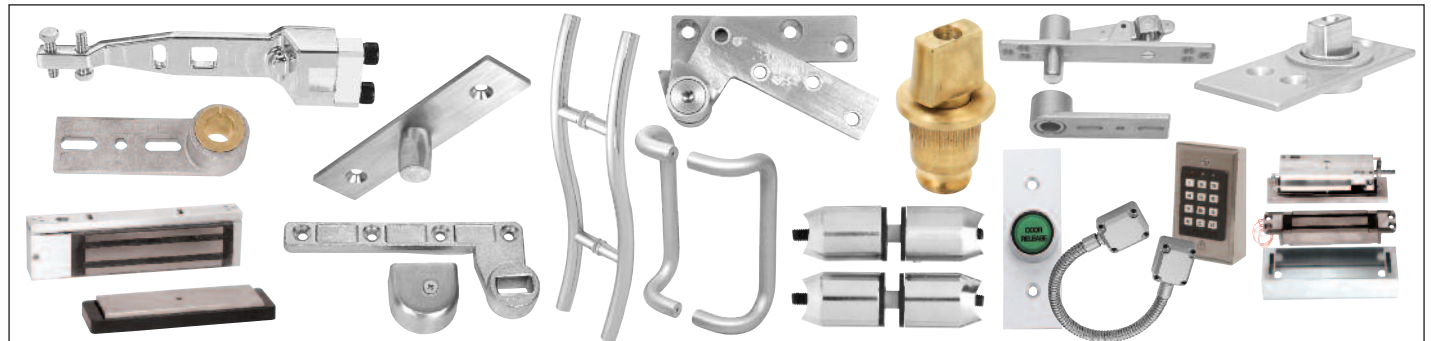


## U-Channels

Pages Z452 to Z457



## **QUICK PICK** Accessory Items for Job Completion



# CRL QUICK PICK

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

Look for the **QUICK PICK** Arrow!



Look for the QUICK PICK Arrow as you glance through the following pages of Glass Entrance Hardware. The Arrow identifies the ready-to-ship materials available at our main warehouse in Los Angeles that can be shipped the very day you contact us. Remember, the QUICK PICK Arrow is the key.



Items Appearing in Red Throughout the Following Glass Entrance Pages are QUICK PICK Products, Ready for Immediate Shipment to You



## 4" SQUARE DOOR RAILS

CAT. NO.	FINISH
<b>DR4SSA12S</b>	Satin Anodized
<b>DR4SDU12S</b>	Black Bronze Anodized
<b>DR4SBS12S</b>	*Brushed Stainless
<b>DR4SPS12S</b>	*Polished Stainless

\* Clad finish.

## Always Count on CRL for Your Storefront Needs, From Start to Finish

### Manufacturing



### On the Shelf



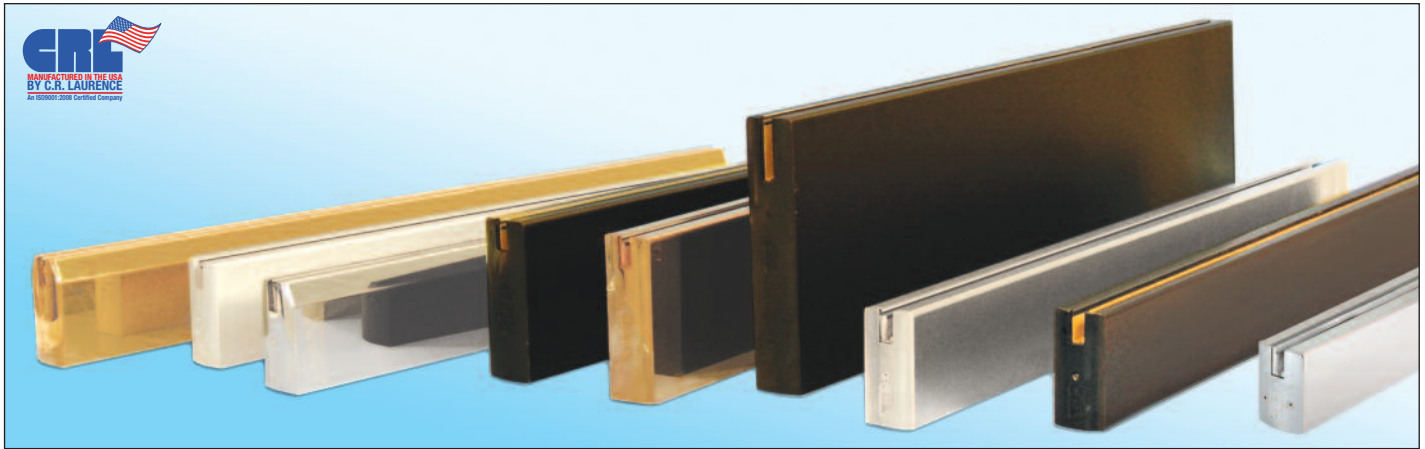
### On the Road to You



### A Timely Installation







## CRL's DRS Door Rail System Features Our Patented Wedge-Lock™ Glass Securing System and Our New and Improved Kwik-Adjust™ Pivot Alignment System



Patented Wedge-Lock™ Glass Securing System U.S. Patents 6,434,905 and 6,912,818 B2. Foreign Patents Pending



They said it couldn't be done, that the CRL DRS Door Rail System couldn't be improved upon. Well, we have surprised even ourselves!

We are proud to introduce our patented Wedge-Lock™ Glass Securing System, now with the Kwik-Adjust™ Pivot Alignment System that allows the installer to quickly and easily adjust the lateral alignment of the pivot centers by simply turning a single screw in either the top or bottom rail of the door. All of our 4", 6" and 10" tall Door Rails, as well as our Patch Rails, utilize both Wedge-Lock™ and Kwik-Adjust™ technologies, giving you the most versatile rail system on the market today.

Our standard rail length of 35-3/4" (908 mm) can be used on either 36" (914 mm) wide single door or 72" (1828 mm) wide double door openings, making ordering simple while reducing stocking requirements and shortening lead times.

DRS components are stocked in each of our locations throughout the U.S., Canada, Europe and Australia. And since we manufacture them ourselves, custom door rails can be fabricated for your every rail need. When it comes to quality and service, CRL is your source for Door Rails

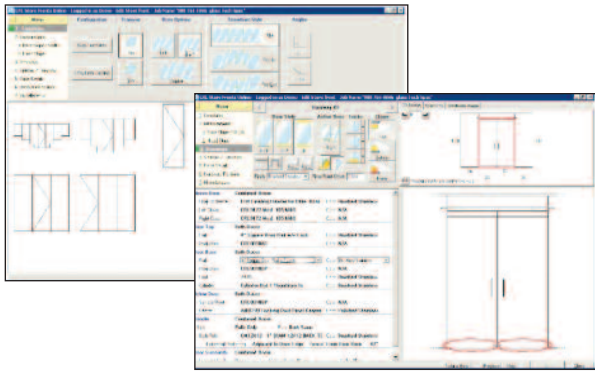
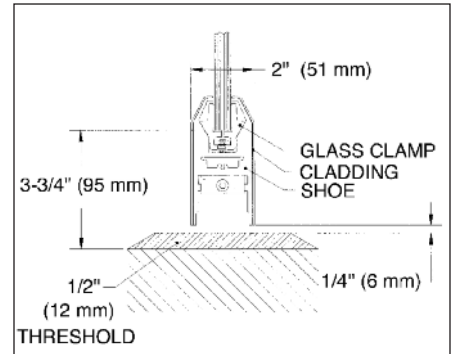
For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then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



# CRL GLASS ENTRANCE SYSTEM DOOR RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

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. 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.



We try to explore all aspects of the industry, starting with the quoting process itself. We were challenged to come up with a faster, more accurate means of quoting complex heavy glass storefronts, something not just for our internal use, but a resource that our customers could use to improve their business.

We met that challenge and introduced 'All-Glass' Storefronts Online®, an easy to use, comprehensive web-based program that is maintained by CRL, but all of your data is only accessible by you. See pages Z411 to Z413.

We offer the most comprehensive Door and Sidelite Rail program in the industry. We stock 2-5/16", 4", 6" and 10" tall Door and Sidelite Rails in six standard architectural finishes, and offer a large variety of powder-coated options as well as custom finishing.

Our Door Rails are prepped to accept most all of the standard hardware on the market today, but we don't stop there. We also offer custom fabrication to handle the rest, and we do it faster than any of our competitors.



In an effort to keep up with the growing demand for faster service, we have implemented our new Quick Pick program, which includes popular models of DRS Door Rails, along with many of our other storefront products.

Items showing the red Quick Pick symbol throughout this catalog are available for immediate shipment from our Los Angeles warehouse. For more information on CRL's Quick Pick program, see pages Z414 and Z415.





# CRL GLASS ENTRANCE SYSTEM DOOR RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## Features of the CRL Wedge-Lock™ Door Rail System



- Exclusive CRL Wedge-Lock™ Glass Securing System for Rapid Installation and Steadfast Holding Power
- Door Assembly Can Be Ready for Installation in Less Than 10 Minutes
- Universal Top and Bottom Rails Cut Inventory and Make Ordering Easier
- Dry Glazing Allows for Field Replacement
- Allows Jamb Alignment Without Removing the Door
- Internal Components Do Not Require Removal Before Installation
- Rigid Single Component Housing Will Not Shift or Fall Out of Adjustment
- Glass Securing Pads are Designed for Longevity in Extreme Environments



10", 6" and 4" Square

4" Tapered

2-5/16" Low Profile

Full Length Door Rails

## Wedge-Lock™ Ordering Variety

- Available With or Without a Lock
- Rails Stocked for 3/8", 1/2", and 3/4" (10, 12, and 19 mm) Glass
- Up to Six Stock Finishes Available in 2-5/16", 4", 6", and 10" (58.7, 101.6, 152.4, 254 mm) Heights
- Custom Sizes and Finishes Also Available

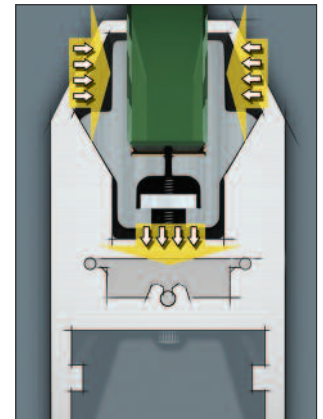
## How the Wedge-Lock™ Glass Securing System Works



The patented Wedge-Lock™ Glass Securing System is a totally original concept for securing the glass in the Door Rail. No more fumbling with multiple pieces, trying to align them properly. No more time wasted waiting for cement to dry, or in clean up.

The Wedge-Lock™ System works by applying pressure evenly along both sides of the glass. Simply tighten the jaw screws, accessed from the hardware pocket of the rail. The screws then draw down a flat stainless steel bar. The steel bar in turn pulls down the gripping jaws. This action then forces the jaws towards one another, creating a tremendous amount of force against the glass, holding it securely in place.

The Wedge-Lock™ Glass Securing System is so unique that it is covered by U.S. Patents 6,434,905 and 6,912,818 B2. Foreign Patents Pending.

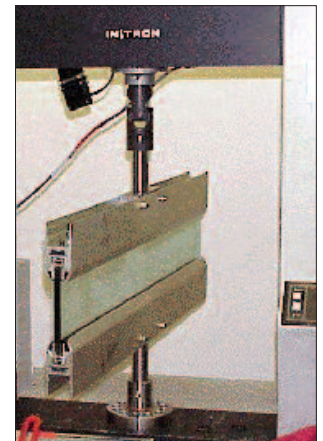


## Wedge-Lock™ Laboratory Test

National Technical Systems, a certified laboratory, tested the Wedge-Lock™ Door Rail System, subjecting it to temperatures ranging from -10°F to 150°F (-23°C to 65.5°C), with 1000 pounds (454 kg) of tension load applied. No evidence of movement was detected at any temperature. At an ambient temperature of 73°F (22.8°C), in a "Pull to Failure" Test, 6900 pounds (3130 kg) of tension was required before any creep (not failure) was detected.

Wedge-Lock™ Door Rails come completely fabricated with the end caps in place, thus making them ready to install right out of the package. Experienced installers can secure our Door Rails in fewer than ten minutes.

For more information, please contact 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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



## Features of the CRL Wedge-Lock™ Door Rail System Kwik-Adjust™ Pivot Alignment System (for Jamb Alignment and Centering)



### Vertical Jamb Alignment

C.R. Laurence is always looking for ways to improve the product we supply our customers. We believe that "good enough" is never enough. We have made an improvement to our Jamb Alignment System in our 4", 6", and 10" (101.6, 152.4, and 254 mm) high Rails. Now with the Kwik-Adjust™ System just the turn of only one screw adjusts the door away from or toward the door jamb.

**NOTE:** For jamb alignment in our Low Profile Rails see page Z422.

### To Adjust the Door Rail Away From the Jamb

1. Remove the End Cap (one screw). This will reveal the adjustment screw.
2. Insert the T912 T-Handle Key into the screw and turn the screw clockwise to the proper clearance from the jamb. A slight clicking noise may be heard. This sound is caused by our friction retention mechanism that will help prevent the screw from loosening out of alignment.
3. Replace the End Cap.

### To Adjust the Door Rail Towards the Jamb

1. Remove the End Cap (one screw). This will reveal the adjustment screw.
2. Insert the T912 T-Handle Key into the screw and turn the screw counter-clockwise to the proper clearance from the jamb. A slight clicking noise may be heard. This sound is caused by our friction retention mechanism that will help prevent the screw from loosening out of alignment.
3. Replace the End Cap.

### Centering Adjustment

We have designed our Cat. No. CRL8010AS Overhead Closer Arm and our Cat. No. CRL9040AS Floor Closer Arm to help make centering adjustment easier. To center the door you just loosen the two Pan Head Phillips Screws, holding the arm to the block, then adjust the two hex bolts at the end of each arm to slightly change the angle of the arm as it mounts in the Door Rail. Make sure that both hex bolts are tightened against the inside face of the Door Rail, and the two Pan Head Phillips Screws are tightened to the block when adjustment is complete. This will secure your adjustments into place.

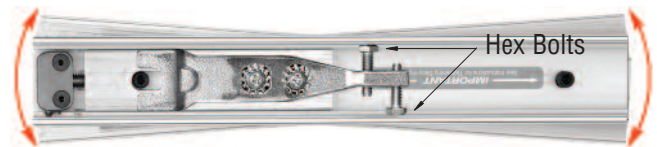


VISIT  
**CRLAURENCE.COM**  
FOR COMPLETE  
ARCHITECTURAL  
SPECIFICATIONS



U.S. Patents 6,434,905 and 6,912,818 B2.  
Foreign Patents Pending.

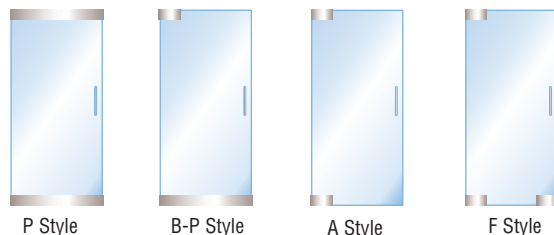
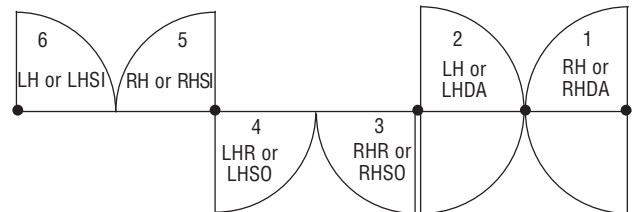
The low profile of the adjustable slide block allows the arm or pivot blocks to be moved to a position other than the standard American setback of 2-3/4" (70 mm). This means that if you use our Door Rails, we can fabricate them for vertically out-of-square openings.



Door centering is easily achieved by turning the two hex head bolts.

## "Industry Standard" Door Styles and Swinging Door Patterns

There are four basic 'all-glass' door styles typically referred to throughout the industry. By identifying your basic door style and swing, it will help make clear what your intentions are for the particular project.



**P Style:** Continuous Horizontal Top and Bottom Rails  
**B-P Style:** Continuous Horizontal Bottom Rail with Top Corner Rail or Patch Fitting at Pivot Corner  
**A Style:** Corner Rail or Patch Fitting at Top and Bottom Pivot Corner  
**F Style:** Corner Rails or Patch Fitting at Top and Bottom Pivot Corner, and a Lock Rail or Patch at the Leading Edge of the Door

For more information, please contact our Technical Sales Department at (800) 421-6144 in the U.S., (877) 421-6144 in Canada, or (323) 588-1281 International. Ask for Ext. 7700. You can send e-mail through the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.





## The Benefits of Using CRL Wedge-Lock™ Door Rails

U.S. Patents  
6,434,905 and 6,912,818 B2.  
Foreign Patents Pending.

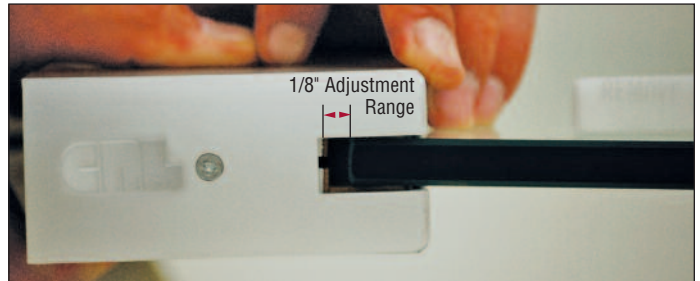
1. The CRL Wedge-Lock™ Dry Glazed Door Rail System is designed for quick field installation on the glass.

**BENEFIT:** No more mixing and pouring messy cement, and having to wait for it to dry.



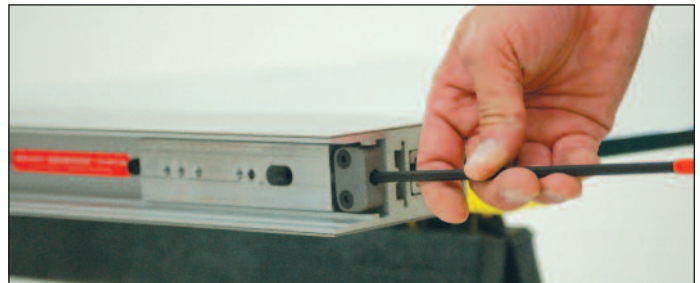
2. The Wedge-Lock™ System allows for door sizing adjustments at the job site, by simply placing the door glass on saw horses and loosening the Wedge-Lock™ securing screws.

**BENEFIT:** Door Rails can be adjusted up, down or at an angle, to provide attractive sight lines in the door opening.



3. The universal Kwik-Adjust™ Alignment System has a 1/4" (6 mm) jamb adjustment [1/8" (3 mm) in or out]. It is designed to receive our CRL9040AS or CRL8010AS Door Closer Arms, or any standard CRL8010 Series Bottom Pivot without modification.

**BENEFIT:** This means Wedge-Lock™ Door Rails can be used for the top or the bottom of a door, so you reduce the number of sku's in your stock.



4. The Wedge-Lock™ System also allows for job site glass replacement for broken or damaged glass, without the need to send wet glazed rails back to the fabricator for glass removal and replacement.

**BENEFIT:** Broken door glass can be easily replaced at the job site in less than 30 minutes.



5. Wedge-Lock™ Door Rails come completely fabricated, with end caps attached, and foam spacer blocks at each end.

**BENEFIT:** Installation is as easy as slipping the Door Rail over the glass, removing the spacer blocks, aligning the rail to the glass, and then securing it in place by tightening a few Allen Cap Screws. All in less than 10 minutes (for the experienced installer).



For additional information, contact CRL Technical Sales (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](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

## The Benefits of Using CRL Wedge-Lock™ Door Rails

U.S. Patents  
6,434,905 and 6,912,818 B2.  
Foreign Patents Pending

6. CRL's Quick-Pick Shipping Program stocks our most popular Door Rails and accessories for same day shipping from our Los Angeles warehouse.

**BENEFIT:** Off the shelf Door Rail Systems that allow you to do jobs quickly and move on to the next job.

7. Our Door Rails With Locks come with the locking unit installed. Keyed Cylinders or Thumbturns are simply screwed into the locking unit through pre-fabricated holes.

**BENEFIT:** A key/key or key/thumbturn combination is easily accomplished by choosing the appropriate hardware.

8. Six standard architectural finishes, powder coating and custom finishes are available. Other unique finishes for interior use only are also available. See them online at [crlaurence.com](http://crlaurence.com).

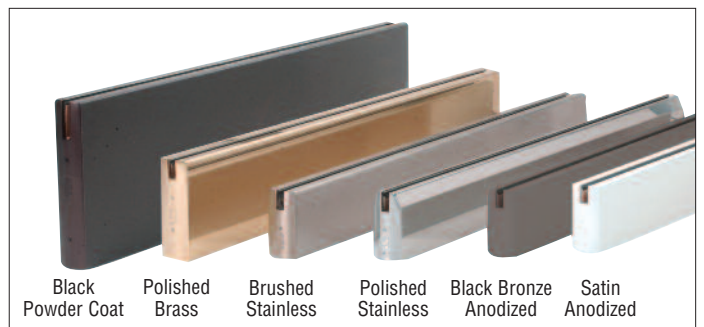
**BENEFIT:** Our variety of available finishes gives you the capability to match all popular commercial finishes.

9. Five different models of Wedge-Lock™ Door Rails are available. Select from 2-5/16" Low Profile, 4" Tapered, or 4", 6" and 10" Square Rails, with or without Locks.

**BENEFIT:** Allows you to be able to choose a size and style for standard or A.D.A. applications. Combined with our variety of available finishes, Wedge-Lock™ Door Rails offer unmatched selection options.

10. Custom Size Door Rails can be quickly fabricated and shipped from our 270,000 sq. ft. Los Angeles Manufacturing Plant to your shop or directly to the job site anywhere in the world.

**BENEFIT:** Wedge-Lock™ Door Rails can be made to fit your existing opening. Custom sizes and colors provide you the flexibility to do most any job.





## CRL Low Profile Door Rails

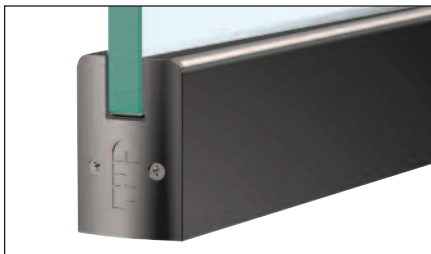
- Low Profile Rails are Only 2-5/16" (59 mm) Tall
- Patented Wedge-Lock™ Glass Securing System
- For 1/2" (12 mm) Tempered Glass
- Adjust and Align Doors Without Removal
- Available in Six Standard Architectural Finishes, With Custom Finishes Available
- **RED-E to Ship** Models From CRL Inventory
- Also Available in Patch Door Rails (See Page Z432)



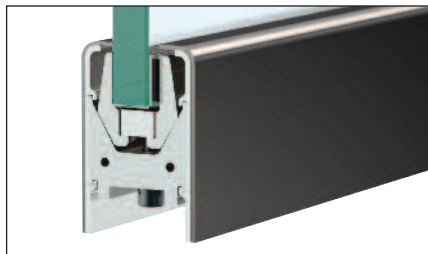
U.S. Patents 6,434,905 and 6,912,818 B2  
Foreign Patents Pending.

CRL Low Profile Door Rails measure only 2-5/16" (59 mm) tall by 1-1/2" (38 mm) wide, and yet incorporate our patented Wedge-Lock™ Glass Securing System. They are prepped for various Low Profile Rail Pivot Inserts that allow you to use either overhead closers, floor closers, or pivots. Individual Low Profile Door Rails are supplied with two End Caps, Installation Instructions, and Adjustment Wrenches.

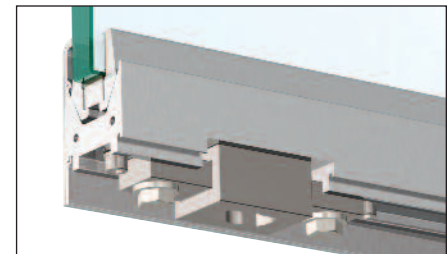
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End Caps are Included With All Low Profile Door Rails



Utilizes CRL's Patented Wedge-Lock™ Glass Securing System



All Low Profile Door Rails are Prepped to Receive Any of CRL's Low Profile Door Rail Inserts (Sold Separately, See Next Page)

## Adjusting the Reveal Between the Door and Fixed Panel or Jamb

With our Low Profile Door Rails, installers have the ability to quickly and easily adjust the lateral alignment of the door to the side fixed panel or jamb. **NOTE:** This adjustment must be done prior to installing lock cylinders/thumbturns.

- Step 1:** Open the door. Using a #1 Phillips screwdriver, remove the door's pivot edge End Cap and slide the Door Rail's side panel until removed from the door (see Figure 1).
- Step 2:** Place a vacuum cup on the handle edge of the door and position support blocks under the door assembly to prevent the door from dropping during adjustment.
- Step 3:** Starting with either the top or bottom Door Rail, depending on which end is farthest from alignment, use the enclosed 7/16" Open-End Wrench to loosen the two 1/4" hex head bolts that secure the mounting hardware (see Figure 2).
- Step 4:** Lift or lower the handle edge of the door to improve the reveal, and adjust blocking to hold the new position.
- Step 5:** Tighten the two 1/4" hex head bolts that secure the mounting hardware, and if necessary, repeat steps 2 through 4 on the remaining Door Rail.
- Step 6:** With the door in the open position, slide the Door Rail's side panels into position covering the clamping section of both Door Rails. Re-install the End Caps (see Figure 3).



Figure 1



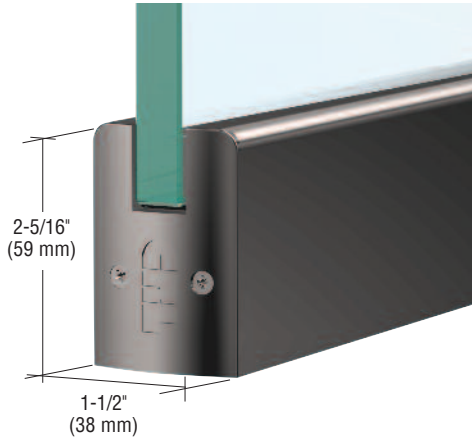
Figure 2



Figure 3

## CRL Low Profile Door Rails

- For 1/2" (12 mm) Tempered Glass



- Low Profile Rails are Only 2-5/16" (59 mm) Tall
- Patented Wedge-Lock™ Glass Securing System
- Available With or Without Locks
- Adjust and Align Doors Without Removal
- Available in Six Standard Architectural Finishes, With Custom Finishes Available

**RED-E to Ship From Stock** Fast Ship

LOW PROFILE DOOR RAILS FOR 1/2" (12 MM) GLASS  
35-3/4" (908 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR2SSA12S	DR2SSA12SL	Satin Anodized
DR2SDU12S	DR2SDU12SL	Black Bronze Anodized
DR2SBL12S	DR2SBL12SL	Black Powder Coat
DR2SBS12S	DR2SBS12SL	*Brushed Stainless
DR2SPS12S	DR2SPS12SL	*Polished Stainless
DR2SPB12S	DR2SPB12SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

CUSTOM LENGTH LOW PROFILE DOOR RAILS FOR 1/2" (12 MM) GLASS  
(DOOR RAIL LENGTH, INCLUDING END CAPS, MUST BE SPECIFIED)

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR2SSA12C	DR2SSA12CL	Satin Anodized
DR2SDU12C	DR2SDU12CL	Black Bronze Anodized
DR2SBL12C	DR2SBL12CL	Black Powder Coat
DR2SBS12C	DR2SBS12CL	*Brushed Stainless
DR2SPS12C	DR2SPS12CL	*Polished Stainless
DR2SPB12C	DR2SPB12CL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.



### ORDERING INFORMATION:

- End Caps are included with all Low Profile Door Rails. Door Rail length (including End Caps) must be specified when ordering Custom Length Rails.
- All Low Profile Door Rails are prepped to receive any of the Low Profile Door Rail Pivot Inserts shown below (sold separately).
- Installation instructions and adjustment wrenches are included.
- For Low Profile Patch Door Rail see page Z432.



CAT. NO. 1NT701  
Bottom Pivot Insert

CAT. NO. 1NT703  
Top Pivot Insert

CAT. NO. 1NT704  
Top Closer Insert

### REPLACEMENT LOW PROFILE DOOR RAIL PIVOT INSERTS

CAT. NO.	ACCEPTS
1NT701	Flat Tapered Floor Closer Spindle or Universal Round Free-Swing Floor Spindle
1NT703	Overhead Pivot with 19/32" (15 mm) Diameter Spindle
1NT704	Overhead Closer with 9/16" (14 mm) Square Spindle

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

### REPLACEMENT END CAPS

CAT. NO.	FINISH
DREC2SSA	Satin Anodized
DREC2SDU	Black Bronze Anodized
DREC2SBL	Black Powder Coat
DREC2SBS	Brushed Stainless
DREC2SPS	Polished Stainless
DREC2SPB	Polished Brass

Minimum order: 1 each. All End Caps can be combined for quantity pricing.





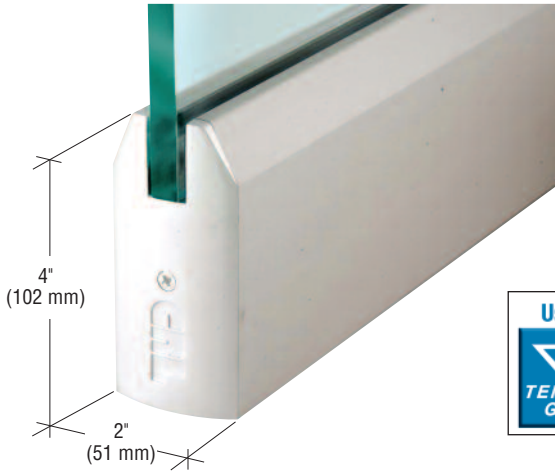
# CRL GLASS ENTRANCE SYSTEM DOOR RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 4" Tapered Shape Full Length Door Rails



For 3/8" (10 mm) or 1/2" (12 mm) Glass



Patented Wedge-Lock™ Glass Securing System  
U.S. Patents 6,434,905 and 6,912,818 B2.  
Foreign Patents Pending

- Patented Wedge-Lock™ Glass Securing System
- Adjust and Align Doors Without Removal
- Available With or Without Locks
- Nine Standard Architectural Finishes, With Custom Finishes Available
- Custom Sizes Are Also Available
- **RED-E to Ship Models From CRL Inventory**

### ORDERING INFORMATION:

- All Door Rails are supplied with standard Kwik-Adjust™ Pivot Alignment System. Closer Arms and Floor or Overhead Pivots must be ordered separately.
- Models with Locks are supplied with the Lock Mechanism installed. Matching finish Keyed Cylinders or Thumbturns must be ordered separately (see pages Z437-Z438).
- End Caps are included in the stock Door Rail lengths below. Door Rail length (including End Caps) must be specified when ordering Custom Length Rails.
- For replacement End Caps, visit our web site, [crlaurence.com](http://crlaurence.com), and enter **DREC4T** into the search box.

**RED-E to Ship From Stock**



### 4" TAPERED DOOR RAILS FOR 1/2" (12 MM) GLASS 35-3/4" (908 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4TBA12S	DR4TBA12SL	Brite Anodized
DR4TBBA12S	DR4TBBA12SL	Brite Brushed Anodized
DR4TBSA12S	DR4TBSA12SL	Brushed Stainless Anodized
DR4TSA12S	DR4TSA12SL	Satin Anodized
DR4TDU12S	DR4TDU12SL	Black Bronze Anodized
DR4TBL12S	DR4TBL12SL	Black Powder Coat
DR4TBS12S	DR4TBS12SL	*Brushed Stainless
DR4TPS12S	DR4TPS12SL	*Polished Stainless
DR4TPB12S	DR4TPB12SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

### 4" TAPERED DOOR RAILS FOR 3/8" (10 MM) GLASS 35-3/4" (908 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4TBA38S	DR4TBA38SL	Brite Anodized
DR4TBBA38S	DR4TBBA38SL	Brite Brushed Anodized
DR4TBSA38S	DR4TBSA38SL	Brushed Stainless Anodized
DR4TSA38S	DR4TSA38SL	Satin Anodized
DR4TDU38S	DR4TDU38SL	Black Bronze Anodized
DR4TBL38S	DR4TBL38SL	Black Powder Coat
DR4TBS38S	DR4TBS38SL	*Brushed Stainless
DR4TPS38S	DR4TPS38SL	*Polished Stainless
DR4TPB38S	DR4TPB38SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

### CUSTOM LENGTH 4" TAPERED DOOR RAILS (DOOR RAIL LENGTH, INCLUDING END CAPS, MUST BE SPECIFIED)

3/8" GLASS CAT. NO. WITHOUT LOCK	3/8" GLASS CAT. NO. WITH LOCK	1/2" GLASS CAT. NO. WITHOUT LOCK	1/2" GLASS CAT. NO. WITH LOCK	FINISH
DR4TBA38C	DR4TBA38CL	DR4TBA12C	DR4TBA12CL	Brite Anodized
DR4TBBA38C	DR4TBBA38CL	DR4TBBA12C	DR4TBBA12CL	Brite Brushed Anodized
DR4TBSA38C	DR4TBSA38CL	DR4TBSA12C	DR4TBSA12CL	Brushed Stainless Anodized
DR4TSA38C	DR4TSA38CL	DR4TSA12C	DR4TSA12CL	Satin Anodized
DR4TDU38C	DR4TDU38CL	DR4TDU12C	DR4TDU12CL	Black Bronze Anodized
DR4TBL38C	DR4TBL38CL	DR4TBL12C	DR4TBL12CL	Black Powder Coat
DR4TBS38C	DR4TBS38CL	DR4TBS12C	DR4TBS12CL	*Brushed Stainless
DR4TPS38C	DR4TPS38CL	DR4TPS12C	DR4TPS12CL	*Polished Stainless
DR4TPB38C	DR4TPB38CL	DR4TPB12C	DR4TPB12CL	*Polished Brass
DR4TORB38C	DR4TORB38CL	DR4TORB12C	DR4TORB12CL	*Oil Rubbed Bronze

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.



C.R. LAURENCE COMPANY

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2424 |

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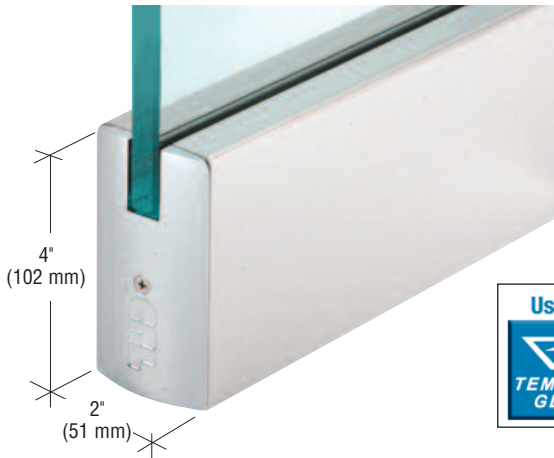
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# CRL GLASS ENTRANCE SYSTEM DOOR RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 4" Square Shape Full Length Door Rails

For 3/8" (10 mm) or 1/2" (12 mm) Glass



Patented Wedge-Lock™ Glass Securing System  
U.S. Patents 6,434,905 and 6,912,818 B2.  
Foreign Patents Pending

- Patented Wedge-Lock™ Glass Securing System
- Adjust and Align Doors Without Removal
- Available With or Without Locks
- Nine Standard Architectural Finishes, With Custom Finishes Available
- Custom Sizes Are Also Available
- RED-E to Ship Models From CRL Inventory

### ORDERING INFORMATION:

- All Door Rails are supplied with standard Kwik-Adjust™ Pivot Alignment System. Closer Arms and Floor or Overhead Pivots must be ordered separately.
- Models with Locks are supplied with the Lock Mechanism installed. Matching finish Keyed Cylinders or Thumbturns must be ordered separately (see pages Z437-Z438).
- End Caps are included in the stock Door Rail lengths below. Door Rail length (including End Caps) must be specified when ordering Custom Length Rails.
- For replacement End Caps, visit our web site, [crlaurence.com](http://crlaurence.com), and enter DREC4S into the search box.

## RED-E to Ship From Stock



### 4" SQUARE DOOR RAILS FOR 1/2" (12 MM) GLASS 35-3/4" (908 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4SBA12S	DR4SBA12SL	Brite Anodized
DR4SBA12S	DR4SBA12SL	Brite Brushed Anodized
DR4SBSA12S	DR4SBSA12SL	Brushed Stainless Anodized
DR4SSA12S	DR4SSA12SL	Satin Anodized
DR4SDU12S	DR4SDU12SL	Black Bronze Anodized
DR4SBL12S	DR4SBL12SL	Black Powder Coat
DR4SBS12S	DR4SBS12SL	*Brushed Stainless
DR4SPS12S	DR4SPS12SL	*Polished Stainless
DR4SPB12S	DR4SPB12SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

### 4" SQUARE DOOR RAILS FOR 3/8" (10 MM) GLASS 35-3/4" (908 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4SBA38S	DR4SBA38SL	Brite Anodized
DR4SBA38S	DR4SBA38SL	Brite Brushed Anodized
DR4SBSA38S	DR4SBSA38SL	Brushed Stainless Anodized
DR4SSA38S	DR4SSA38SL	Satin Anodized
DR4SDU38S	DR4SDU38SL	Black Bronze Anodized
DR4SBL38S	DR4SBL38SL	Black Powder Coat
DR4SBS38S	DR4SBS38SL	*Brushed Stainless
DR4SPS38S	DR4SPS38SL	*Polished Stainless
DR4SPB38S	DR4SPB38SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

### CUSTOM LENGTH 4" SQUARE DOOR RAILS (DOOR RAIL LENGTH, INCLUDING END CAPS, MUST BE SPECIFIED)

3/8" GLASS CAT. NO. WITHOUT LOCK	3/8" GLASS CAT. NO. WITH LOCK	1/2" GLASS CAT. NO. WITHOUT LOCK	1/2" GLASS CAT. NO. WITH LOCK	FINISH
DR4SBA38C	DR4SBA38CL	DR4SBA12C	DR4SBA12CL	Brite Anodized
DR4SBA38C	DR4SBA38CL	DR4SBA12C	DR4SBA12CL	Brite Brushed Anodized
DR4SBSA38C	DR4SBSA38CL	DR4SBSA12C	DR4SBSA12CL	Brushed Stainless Anodized
DR4SSA38C	DR4SSA38CL	DR4SSA12C	DR4SSA12CL	Satin Anodized
DR4SDU38C	DR4SDU38CL	DR4SDU12C	DR4SDU12CL	Black Bronze Anodized
DR4SBL38C	DR4SBL38CL	DR4SBL12C	DR4SBL12CL	Black Powder Coat
DR4SBS38C	DR4SBS38CL	DR4SBS12C	DR4SBS12CL	*Brushed Stainless
DR4SPS38C	DR4SPS38CL	DR4SPS12C	DR4SPS12CL	*Polished Stainless
DR4SPB38C	DR4SPB38CL	DR4SPB12C	DR4SPB12CL	*Polished Brass
DR4SORB38C	DR4SORB38CL	DR4SORB12C	DR4SORB12CL	*Oil Rubbed Bronze

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.



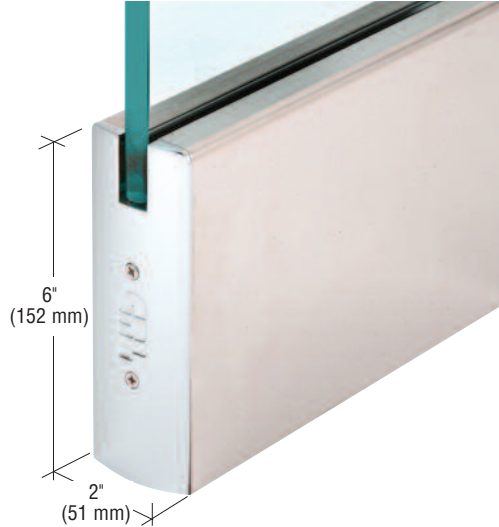


# CRL GLASS ENTRANCE SYSTEM DOOR RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 6" Square Shape Full Length Door Rails

For 3/8" (10 mm) or 1/2" (12 mm) Glass



Patented Wedge-Lock™ Glass Securing System  
U.S. Patents 6,434,905 and 6,912,818 B2.  
Foreign Patents Pending



- Patented Wedge-Lock™ Glass Securing System
- Adjust and Align Doors Without Removal
- Available With or Without Locks
- Six Standard Architectural Finishes, With Custom Finishes Available
- Custom Sizes Are Also Available
- RED-E to Ship Models From CRL Inventory

### ORDERING INFORMATION:

- All Door Rails are supplied with standard Kwik-Adjust™ Pivot Alignment System. Closer Arms and Floor or Overhead Pivots must be ordered separately.
- Models with Locks are supplied with the Lock Mechanism installed. Matching finish Keyed Cylinders or Thumbturns must be ordered separately (see pages Z437-Z438).
- End Caps are included in the stock Door Rail lengths below. Door Rail length (including End Caps) must be specified when ordering Custom Length Rails.
- For replacement End Caps, visit our web site, [crlaurence.com](http://crlaurence.com), and enter DREC6S into the search box.

## RED-E to Ship From Stock



6" SQUARE DOOR RAILS FOR 1/2" (12 MM) GLASS  
35-3/4" (908 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR6SSA12S	DR6SSA12SL	*Satin Anodized
DR6SDU12S	DR6SDU12SL	*Black Bronze Anodized
DR6SBL12S	DR6SBL12SL	*Black Powder Coat
DR6SBS12S	DR6SBS12SL	*Brushed Stainless
DR6SPS12S	DR6SPS12SL	*Polished Stainless
DR6SPB12S	DR6SPB12SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

6" SQUARE DOOR RAILS FOR 3/8" (10 MM) GLASS  
35-3/4" (908 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR6SSA38S	DR6SSA38SL	*Satin Anodized
DR6SDU38S	DR6SDU38SL	*Black Bronze Anodized
DR6SBL38S	DR6SBL38SL	*Black Powder Coat
DR6SBS38S	DR6SBS38SL	*Brushed Stainless
DR6SPS38S	DR6SPS38SL	*Polished Stainless
DR6SPB38S	DR6SPB38SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

### CUSTOM LENGTH 6" SQUARE DOOR RAILS (DOOR RAIL LENGTH, INCLUDING END CAPS, MUST BE SPECIFIED)

3/8" GLASS CAT. NO. WITHOUT LOCK	3/8" GLASS CAT. NO. WITH LOCK	1/2" GLASS CAT. NO. WITHOUT LOCK	1/2" GLASS CAT. NO. WITH LOCK	FINISH
DR6SSA38C	DR6SSA38CL	DR6SSA12C	DR6SSA12CL	*Satin Anodized
DR6SDU38C	DR6SDU38CL	DR6SDU12C	DR6SDU12CL	*Black Bronze Anodized
DR6SBL38C	DR6SBL38CL	DR6SBL12C	DR6SBL12CL	*Black Powder Coat
DR6SBS38C	DR6SBS38CL	DR6SBS12C	DR6SBS12CL	*Brushed Stainless
DR6SPS38C	DR6SPS38CL	DR6SPS12C	DR6SPS12CL	*Polished Stainless
DR6SPB38C	DR6SPB38CL	DR6SPB12C	DR6SPB12CL	*Polished Brass
DR6SORB38C	DR6SORB38CL	DR6SORB12C	DR6SORB12CL	*Oil Rubbed Bronze

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.



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[crlaurence.de](http://crlaurence.de)

## CRL 10" Square Shape Full Length Door Rails For 1/2" (12 mm) Glass



Patented Wedge-Lock™ Glass Securing System  
U.S. Patents 6,434,905 and 6,912,818 B2.  
Foreign Patents Pending

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- Custom Sizes Are Also Available
- RED-E to Ship Models From CRL Inventory

### ORDERING INFORMATION:

- All Door Rails are supplied with standard Kwik-Adjust™ Pivot Alignment System. Closer Arms and Floor or Overhead Pivots must be ordered separately.
- Models with Locks are supplied with the Lock Mechanism installed. Matching finish Keyed Cylinders or Thumbturns must be ordered separately (see pages Z437-Z438).
- End Caps are included in the stock Door Rail lengths below. Door Rail length (including End Caps) must be specified when ordering Custom Length Rails.
- For replacement End Caps, visit our web site, [crlaurence.com](http://crlaurence.com), and enter DREC10 into the search box.

## RED-E to Ship From Stock



10" SQUARE DOOR RAILS FOR 1/2" (12 MM) GLASS  
35-3/4" (908 MM) LENGTH

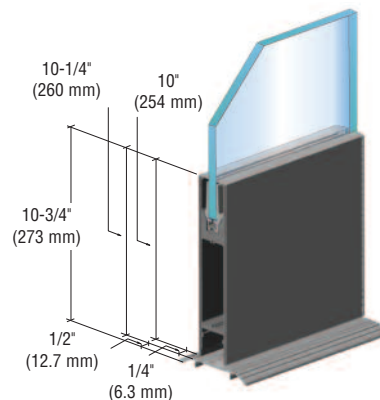
CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR10SSA12S	DR10SSA12SL	*Satin Anodized
DR10SDU12S	DR10SDU12SL	*Black Bronze Anodized
DR10SBL12S	DR10SBL12SL	*Black Powder Coat
DR10SBS12S	DR10SBS12SL	*Brushed Stainless
DR10SPS12S	DR10SPS12SL	*Polished Stainless
DR10SPB12S	DR10SPB12SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

CUSTOM LENGTH 10" SQUARE DOOR RAILS FOR 1/2" (12 MM) GLASS  
(DOOR RAIL LENGTH, INCLUDING END CAPS, MUST BE SPECIFIED)

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR10SSA12C	DR10SSA12CL	*Satin Anodized
DR10SDU12C	DR10SDU12CL	*Black Bronze Anodized
DR10SBL12C	DR10SBL12CL	*Black Powder Coat
DR10SBS12C	DR10SBS12CL	*Brushed Stainless
DR10SPS12C	DR10SPS12CL	*Polished Stainless
DR10SPB12C	DR10SPB12CL	*Polished Brass
DR10SORB12C	DR10SORB12CL	*Oil Rubbed Bronze

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.



CRL 10" Square Shape Full Length Door Rails have been designed to meet requirements mandated under the 1998 Amendments to the ANSI A117.1 Guidelines and Standards for accessibility to buildings and facilities of people with disabilities. This section provides a 10" (254 mm) surface from the floor across the bottom of the door.

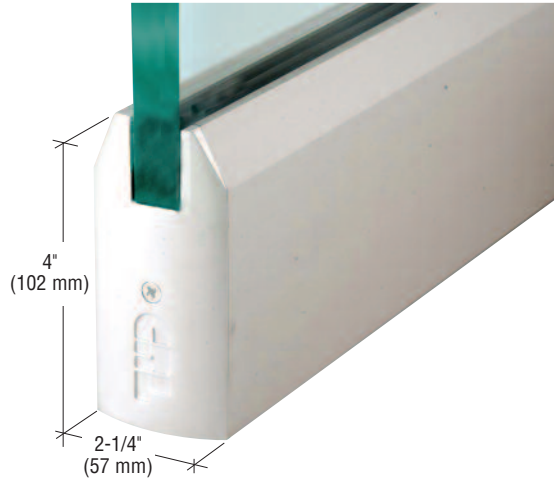


# CRL GLASS ENTRANCE SYSTEM DOOR RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 4" Tapered Shape Full Length Door Rails

For 5/8" (16 mm) or 3/4" (19 mm) Glass



Patented Wedge-Lock™ Glass Securing System  
U.S. Patents 6,434,905 and 6,912,818 B2.  
Foreign Patents Pending

- Patented Wedge-Lock™ Glass Securing System
- Adjust and Align Doors Without Removal
- Available With or Without Locks
- Six Standard Architectural Finishes, With Custom Finishes Available
- Custom Sizes Are Also Available
- RED-E to Ship Models From CRL Inventory

### ORDERING INFORMATION:

- All Door Rails are supplied with standard Kwik-Adjust™ Pivot Alignment System. Closer Arms and Floor or Overhead Pivots must be ordered separately.
- Models with Locks are supplied with the Lock Mechanism installed. Matching finish Keyed Cylinders or Thumbturns must be ordered separately (see pages Z437-Z438).
- End Caps are included in the stock Door Rail lengths below. Door Rail length (including End Caps) must be specified when ordering Custom Length Rails.
- For replacement End Caps, visit our web site, [crlaurence.com](http://crlaurence.com), and enter DREC4T into the search box.

## RED-E to Ship From Stock



4" TAPERED DOOR RAILS FOR 3/4" (19 MM) GLASS  
35-3/4" (908 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4TSA34S	DR4TSA34SL	Satin Anodized
DR4TDU34S	DR4TDU34SL	Black Bronze Anodized
DR4TBL34S	DR4TBL34SL	Black Powder Coat
DR4TBS34S	DR4TBS34SL	*Brushed Stainless
DR4TPS34S	DR4TPS34SL	*Polished Stainless
DR4TPB34S	DR4TPB34SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

4" TAPERED DOOR RAILS FOR 5/8" (16 MM) GLASS  
35-3/4" (908 MM) LENGTH



CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4TSA58S	DR4TSA58SL	Satin Anodized
DR4TDU58S	DR4TDU58SL	Black Bronze Anodized
DR4TBL58S	DR4TBL58SL	Black Powder Coat
DR4TBS58S	DR4TBS58SL	*Brushed Stainless
DR4TPS58S	DR4TPS58SL	*Polished Stainless
DR4TPB58S	DR4TPB58SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

### CUSTOM LENGTH 4" TAPERED DOOR RAILS (DOOR RAIL LENGTH, INCLUDING END CAPS, MUST BE SPECIFIED)

3/4" GLASS CAT. NO. WITHOUT LOCK	3/4" GLASS CAT. NO. WITH LOCK	5/8" GLASS CAT. NO. WITHOUT LOCK	5/8" GLASS CAT. NO. WITH LOCK	FINISH
DR4TSA34C	DR4TSA34CL	DR4TSA58C	DR4TSA58CL	Satin Anodized
DR4TDU34C	DR4TDU34CL	DR4TDU58C	DR4TDU58CL	Black Bronze Anodized
DR4TBL34C	DR4TBL34CL	DR4TBL58C	DR4TBL58CL	Black Powder Coat
DR4TBS34C	DR4TBS34CL	DR4TBS58C	DR4TBS58CL	*Brushed Stainless
DR4TPS34C	DR4TPS34CL	DR4TPS58C	DR4TPS58CL	*Polished Stainless
DR4TPB34C	DR4TPB34CL	DR4TPB58C	DR4TPB58CL	*Polished Brass
DR4TORB34C	DR4TORB34CL	DR4TORB58C	DR4TORB58CL	*Oil Rubbed Bronze

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.



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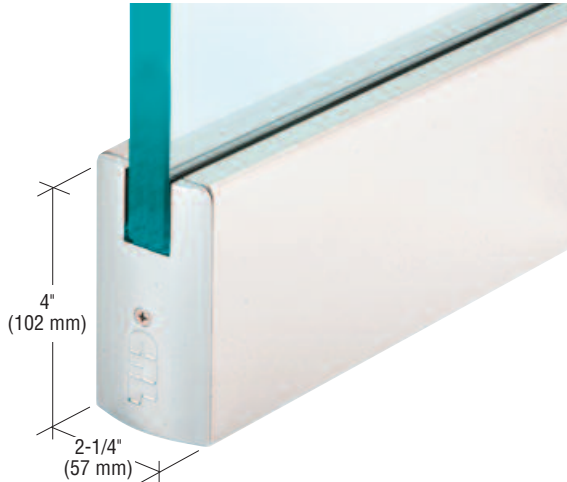
# CRL GLASS ENTRANCE SYSTEM DOOR RAILS

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## CRL 4" Square Shape Full Length Door Rails



For 5/8" (16 mm) or 3/4" (19 mm) Glass



Patented Wedge-Lock™ Glass Securing System  
U.S. Patents 6,434,905 and 6,912,818 B2.  
Foreign Patents Pending



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- RED-E to Ship Models From CRL Inventory

### ORDERING INFORMATION:

- All Door Rails are supplied with standard Kwik-Adjust™ Pivot Alignment System. Closer Arms and Floor or Overhead Pivots must be ordered separately.
- Models with Locks are supplied with the Lock Mechanism installed. Matching finish Keyed Cylinders or Thumbturns must be ordered separately (see pages Z437-Z438).
- End Caps are included in the stock Door Rail lengths below. Door Rail length (including End Caps) must be specified when ordering Custom Length Rails.
- For replacement End Caps, visit our web site, [crlaurence.com](http://crlaurence.com), and enter DREC4S into the search box.

## RED-E to Ship From Stock



4" SQUARE DOOR RAILS FOR 3/4" (19 MM) GLASS  
35-3/4" (908 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4SSA34S	DR4SSA34SL	Satin Anodized
DR4SDU34S	DR4SDU34SL	Black Bronze Anodized
DR4SBL34S	DR4SBL34SL	Black Powder Coat
DR4SBS34S	DR4SBS34SL	*Brushed Stainless
DR4SPS34S	DR4SPS34SL	*Polished Stainless
DR4SPB34S	DR4SPB34SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

4" SQUARE DOOR RAILS FOR 5/8" (16 MM) GLASS  
35-3/4" (908 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4SSA58S	DR4SSA58SL	Satin Anodized
DR4SDU58S	DR4SDU58SL	Black Bronze Anodized
DR4SBL58S	DR4SBL58SL	Black Powder Coat
DR4SBS58S	DR4SBS58SL	*Brushed Stainless
DR4SPS58S	DR4SPS58SL	*Polished Stainless
DR4SPB58S	DR4SPB58SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

### CUSTOM LENGTH 4" SQUARE DOOR RAILS (DOOR RAIL LENGTH, INCLUDING END CAPS, MUST BE SPECIFIED)

3/4" GLASS CAT. NO. WITHOUT LOCK	3/4" GLASS CAT. NO. WITH LOCK	5/8" GLASS CAT. NO. WITHOUT LOCK	5/8" GLASS CAT. NO. WITH LOCK	FINISH
DR4SSA34C	DR4SSA34CL	DR4SSA58C	DR4SSA58CL	Satin Anodized
DR4SDU34C	DR4SDU34CL	DR4SDU58C	DR4SDU58CL	Black Bronze Anodized
DR4SBL34C	DR4SBL34CL	DR4SBL58C	DR4SBL58CL	Black Powder Coat
DR4SBS34C	DR4SBS34CL	DR4SBS58C	DR4SBS58CL	*Brushed Stainless
DR4SPS34C	DR4SPS34CL	DR4SPS58C	DR4SPS58CL	*Polished Stainless
DR4SPB34C	DR4SPB34CL	DR4SPB58C	DR4SPB58CL	*Polished Brass
DR4SORB34C	DR4SORB34CL	DR4SORB58C	DR4SORB58CL	*Oil Rubbed Bronze

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.



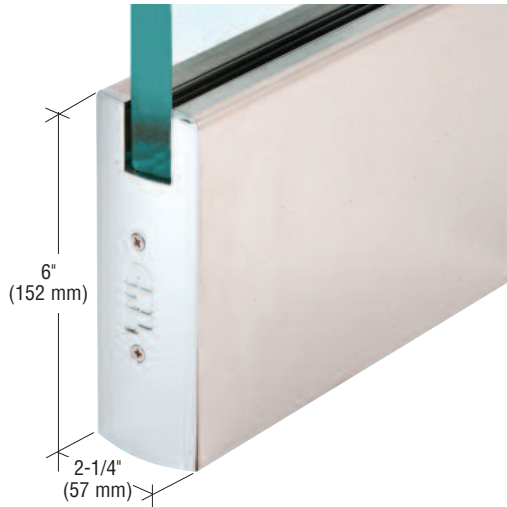


# CRL GLASS ENTRANCE SYSTEM DOOR RAILS

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## CRL 6" Square Shape Full Length Door Rails

For 5/8" (16 mm) or 3/4" (19 mm) Glass



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- For replacement End Caps, visit our web site, [crlaurence.com](http://crlaurence.com), and enter DREC6S into the search box.

## RED-E to Ship From Stock



6" SQUARE DOOR RAILS FOR 3/4" (19 MM) GLASS  
35-3/4" (908 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR6SSA34S	DR6SSA34SL	*Satin Anodized
DR6SDU34S	DR6SDU34SL	*Black Bronze Anodized
DR6SBL34S	DR6SBL34SL	*Black Powder Coat
DR6SBS34S	DR6SBS34SL	*Brushed Stainless
DR6SPS34S	DR6SPS34SL	*Polished Stainless
DR6SPB34S	DR6SPB34SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

6" SQUARE DOOR RAILS FOR 5/8" (16 MM) GLASS  
35-3/4" (908 MM) LENGTH



CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR6SSA58S	DR6SSA58SL	*Satin Anodized
DR6SDU58S	DR6SDU58SL	*Black Bronze Anodized
DR6SBL58S	DR6SBL58SL	*Black Powder Coat
DR6SBS58S	DR6SBS58SL	*Brushed Stainless
DR6SPS58S	DR6SPS58SL	*Polished Stainless
DR6SPB58S	DR6SPB58SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

### CUSTOM LENGTH 6" SQUARE DOOR RAILS FOR (DOOR RAIL LENGTH, INCLUDING END CAPS, MUST BE SPECIFIED)

3/4" GLASS CAT. NO. WITHOUT LOCK	3/4" GLASS CAT. NO. WITH LOCK	5/8" GLASS CAT. NO. WITHOUT LOCK	5/8" GLASS CAT. NO. WITH LOCK	FINISH
DR6SSA34C	DR6SSA34CL	DR6SSA58C	DR6SSA58CL	*Satin Anodized
DR6SDU34C	DR6SDU34CL	DR6SDU58C	DR6SDU58CL	*Black Bronze Anodized
DR6SBL34C	DR6SBL34CL	DR6SBL58C	DR6SBL58CL	*Black Powder Coat
DR6SBS34C	DR6SBS34CL	DR6SBS58C	DR6SBS58CL	*Brushed Stainless
DR6SPS34C	DR6SPS34CL	DR6SPS58C	DR6SPS58CL	*Polished Stainless
DR6SPB34C	DR6SPB34CL	DR6SPB58C	DR6SPB58CL	*Polished Brass
DR6SORB34C	DR6SORB34CL	DR6SORB58C	DR6SORB58CL	*Oil Rubbed Bronze

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.



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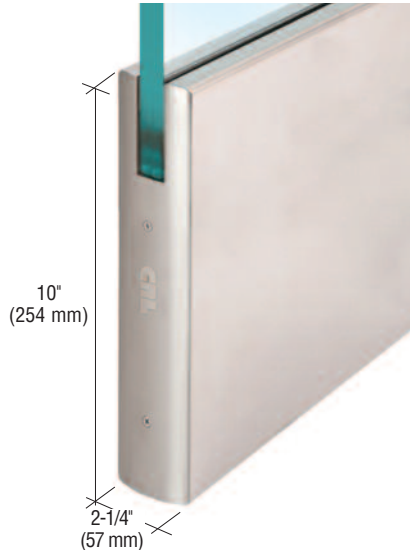
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### ORDERING INFORMATION:

- All Door Rails are supplied with standard Kwik-Adjust™ Pivot Alignment System. Closer Arms and Floor or Overhead Pivots must be ordered separately.
- Models with Locks are supplied with the Lock Mechanism installed. Matching finish Keyed Cylinders or Thumbturns must be ordered separately (see pages Z437-Z438).
- End Caps are included in the stock Door Rail lengths below. Door Rail length (including End Caps) must be specified when ordering Custom Length Rails.
- For replacement End Caps, visit our web site, [crlaurence.com](http://crlaurence.com), and enter **DREC10** into the search box.

## RED-E to Ship From Stock



10" SQUARE DOOR RAILS FOR 3/4" (19 MM) GLASS  
35-3/4" (908 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR10SSA34S	DR10SSA34SL	*Satin Anodized
DR10SDU34S	DR10SDU34SL	*Black Bronze Anodized
DR10SBL34S	DR10SBL34SL	*Black Powder Coat
DR10SBS34S	DR10SBS34SL	*Brushed Stainless
DR10SPS34S	DR10SPS34SL	*Polished Stainless
DR10SPB34S	DR10SPB34SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

10" SQUARE DOOR RAILS FOR 5/8" (16 MM) GLASS  
35-3/4" (908 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR10SSA58S	DR10SSA58SL	*Satin Anodized
DR10SDU58S	DR10SDU58SL	*Black Bronze Anodized
DR10SBL58S	DR10SBL58SL	*Black Powder Coat
DR10SBS58S	DR10SBS58SL	*Brushed Stainless
DR10SPS58S	DR10SPS58SL	*Polished Stainless
DR10SPB58S	DR10SPB58SL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

### CUSTOM LENGTH 10" SQUARE DOOR RAILS (DOOR RAIL LENGTH, INCLUDING END CAPS, MUST BE SPECIFIED)

3/4" GLASS CAT. NO. WITHOUT LOCK	3/4" GLASS CAT. NO. WITH LOCK	5/8" GLASS CAT. NO. WITHOUT LOCK	5/8" GLASS CAT. NO. WITH LOCK	FINISH
DR10SSA34C	DR10SSA34CL	DR10SSA58C	DR10SSA58CL	*Satin Anodized
DR10SDU34C	DR10SDU34CL	DR10SDU58C	DR10SDU58CL	*Black Bronze Anodized
DR10SBL34C	DR10SBL34CL	DR10SBL58C	DR10SBL58CL	*Black Powder Coat
DR10SBS34C	DR10SBS34CL	DR10SBS58C	DR10SBS58CL	*Brushed Stainless
DR10SPS34C	DR10SPS34CL	DR10SPS58C	DR10SPS58CL	*Polished Stainless
DR10SPB34C	DR10SPB34CL	DR10SPB58C	DR10SPB58CL	*Polished Brass
DR10SORB34C	DR10SORB34CL	DR10SORB58C	DR10SORB58CL	*Oil Rubbed Bronze

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.





# CRL GLASS ENTRANCE SYSTEM DOOR RAILS

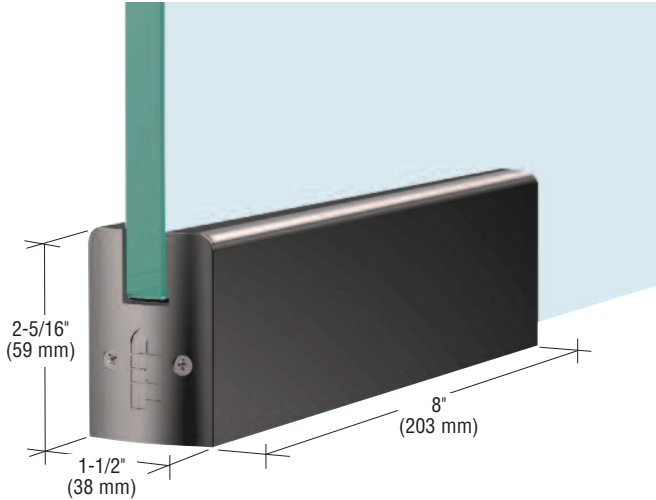
For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Low Profile Patch Door Rails

8" (203 mm) Length for 1/2" (12 mm) Glass



U.S. Patents  
6,434,905 and 6,912,818 B2  
Foreign Patents Pending

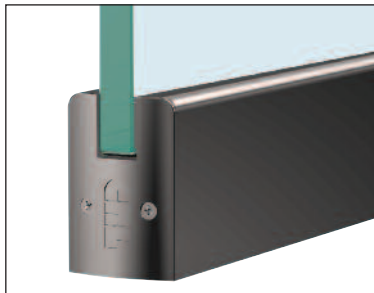


- Patented Wedge-Lock™ Glass Securing System
- Adjust and Align Doors Without Removal
- Available Without Locks Only
- Available in Six Standard Architectural Finishes, With Custom Finishes Available
- **RED-E to Ship Models From CRL Inventory**

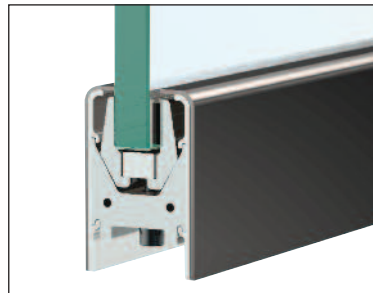


### ORDERING INFORMATION:

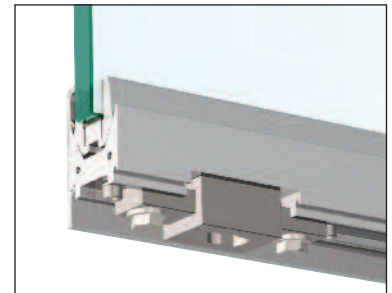
- End Caps are included with all Low Profile Patch Door Rails. For Replacement End Caps see page Z423.
- All Low Profile Patch Door Rails are prepped to receive any of the Low Profile Door Rail Pivot Inserts Shown Below (sold separately see page Z423). Installation instructions and adjustment wrenches are included.



End Caps are Included With All Low Profile Patch Door Rails



Utilizes CRL's Patented Wedge-Lock™ Glass Securing System



All Low Profile Door Patch Rails are Prepped to Receive any of CRL's Low Profile Door Rail Inserts (Sold Separately) See Below

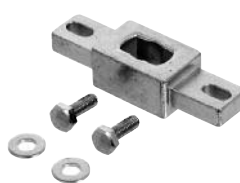
**RED-E to Ship From Stock**



LOW PROFILE PATCH DOOR RAILS FOR 1/2" (12 MM) GLASS  
8" (203 MM) LENGTH

CAT. NO. WITHOUT LOCK	FINISH
DR2SSA12P	Satin Anodized
DR2SDU12P	Black Bronze Anodized
DR2SBL12P	Black Powder Coat
DR2SBS12P	*Brushed Stainless
DR2SPS12P	*Polished Stainless
DR2SPB12P	*Polished Brass

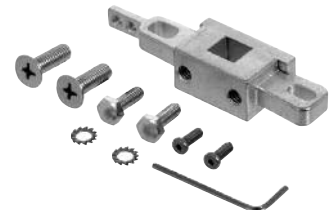
Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.



CAT. NO. 1NT701  
Bottom Pivot Insert



CAT. NO. 1NT703  
Top Pivot Insert



CAT. NO. 1NT704  
Top Closer Insert



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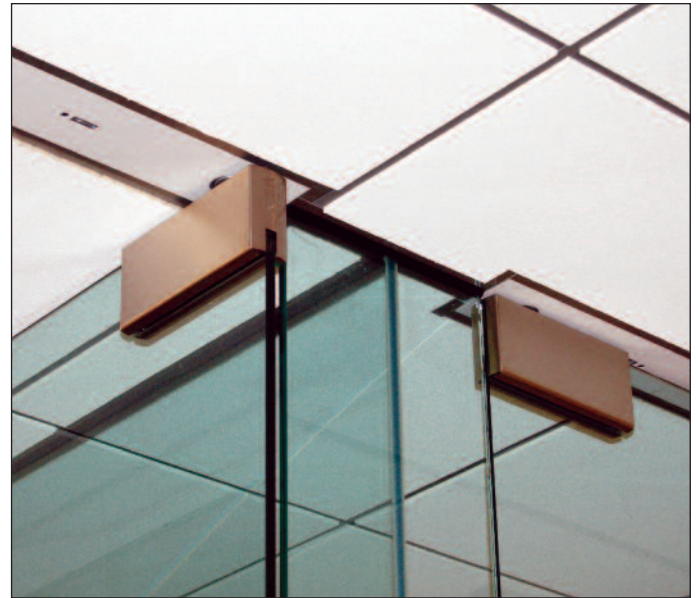
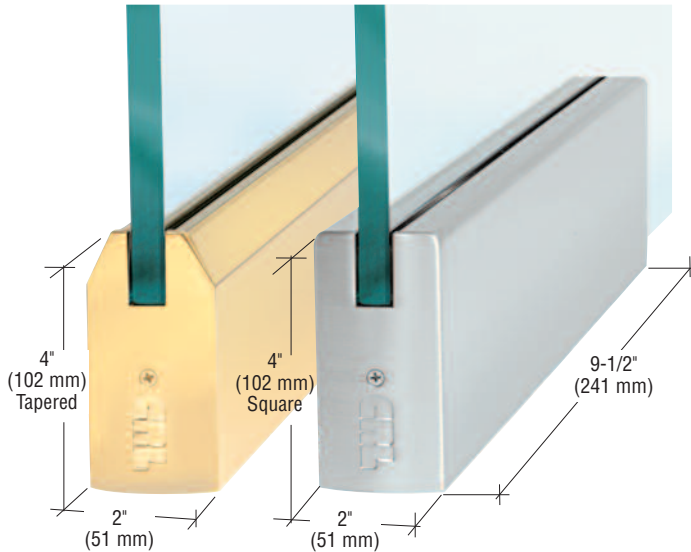
crlaurence.com

# CRL GLASS ENTRANCE SYSTEM DOOR RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 9-1/2" Patch Door Rails

For 3/8" (10 mm) or 1/2" (12 mm) Glass



Patented Wedge-Lock™ Glass Securing System  
U.S. Patents 6,434,905 and 6,912,818 B2.  
Foreign Patents Pending



- Patented Wedge-Lock™ Glass Securing System
- Adjust and Align Doors Without Removal
- Available With or Without Locks
- Six Standard Architectural Finishes, With Custom Finishes Available
- RED-E to Ship Models From CRL Inventory

### ORDERING INFORMATION:

- All Patch Door Rails are supplied with standard Kwik-Adjust™ Pivot Alignment System. Closer Arms and Floor or Overhead Pivots must be ordered separately.
- Models with Locks are supplied with the Lock Mechanism installed. Matching finish Keyed Cylinders or Thumbturns must be ordered separately (see pages Z437-Z438).
- End Caps are included on 9-1/2" Patch Door Rails.
- For replacement End Caps, visit our web site, [crlaurence.com](http://crlaurence.com), and enter DREC4 into the search box.

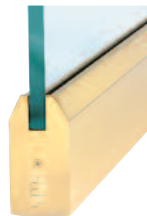
## RED-E to Ship From Stock



### 4" TAPERED PATCH DOOR RAILS FOR 1/2" (12 MM) GLASS 9-1/2" (241 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4TSA12P	DR4TSA12PL	Satin Anodized
DR4TDU12P	DR4TDU12PL	Black Bronze Anodized
DR4TBL12P	DR4TBL12PL	Black Powder Coat
DR4TBS12P	DR4TBS12PL	*Brushed Stainless
DR4TPS12P	DR4TPS12PL	*Polished Stainless
DR4TPB12P	DR4TPB12PL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.



4" Tapered

### 4" TAPERED PATCH DOOR RAILS FOR 3/8" (10 MM) GLASS 9-1/2" (241 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4TSA38P	DR4TSA38PL	Satin Anodized
DR4TDU38P	DR4TDU38PL	Black Bronze Anodized
DR4TBL38P	DR4TBL38PL	Black Powder Coat
DR4TBS38P	DR4TBS38PL	*Brushed Stainless
DR4TPS38P	DR4TPS38PL	*Polished Stainless
DR4TPB38P	DR4TPB38PL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

### 4" SQUARE PATCH DOOR RAILS FOR 1/2" (12 MM) GLASS 9-1/2" (241 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4SSA12P	DR4SSA12PL	Satin Anodized
DR4SDU12P	DR4SDU12PL	Black Bronze Anodized
DR4SBL12P	DR4SBL12PL	Black Powder Coat
DR4SBS12P	DR4SBS12PL	*Brushed Stainless
DR4SPS12P	DR4SPS12PL	*Polished Stainless
DR4SPB12P	DR4SPB12PL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.



4" Square

### 4" SQUARE PATCH DOOR RAILS FOR 3/8" (10 MM) GLASS 9-1/2" (241 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4SSA38P	DR4SSA38PL	Satin Anodized
DR4SDU38P	DR4SDU38PL	Black Bronze Anodized
DR4SBL38P	DR4SBL38PL	Black Powder Coat
DR4SBS38P	DR4SBS38PL	*Brushed Stainless
DR4SPS38P	DR4SPS38PL	*Polished Stainless
DR4SPB38P	DR4SPB38PL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.



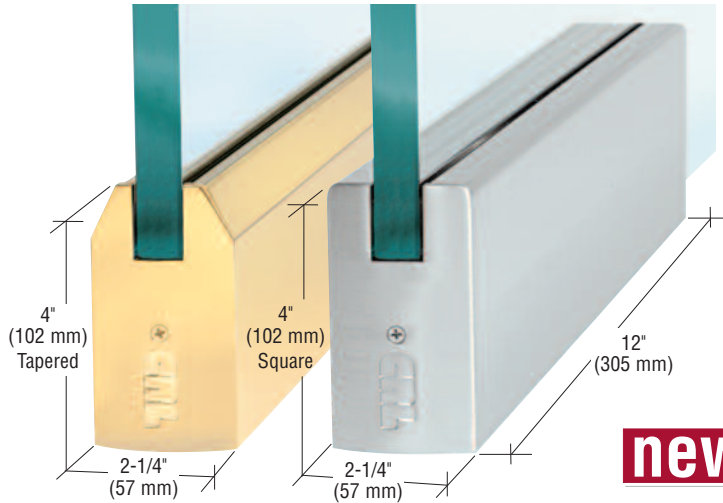


# CRL GLASS ENTRANCE SYSTEM DOOR RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 12" Patch Door Rails

For 5/8" (16 mm) or 3/4" (19 mm) Glass



**new**



Patented Wedge-Lock™ Glass Securing System  
U.S. Patents 6,434,905 and 6,912,818 B2.  
Foreign Patents Pending



- Patented Wedge-Lock™ Glass Securing System
- Adjust and Align Doors Without Removal
- Available With or Without Locks
- Six Standard Architectural Finishes, With Custom Finishes Available
- RED-E to Ship Models From CRL Inventory

### ORDERING INFORMATION:

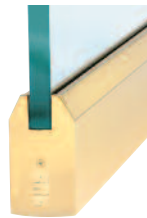
- All Patch Door Rails are supplied with standard Kwik-Adjust™ Pivot Alignment System. Closer Arms and Floor or Overhead Pivots must be ordered separately.
- Models with Locks are supplied with the Lock Mechanism installed. Matching finish Keyed Cylinders or Thumbturns must be ordered separately (see pages Z437-Z438).
- End Caps are included on 12" (305 mm) Patch Door Rails.
- For replacement End Caps, visit our web site, [crlaurence.com](http://crlaurence.com), and enter DREC4 into the search box.

RED-E to Ship From Stock



### 4" TAPERED PATCH DOOR RAILS FOR 3/4" (19 MM) GLASS 12" (305 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4TSA34P	DR4TSA34PL	Satin Anodized
DR4TDU34P	DR4TDU34PL	Black Bronze Anodized
DR4TBL34P	DR4TBL34PL	Black Powder Coat
DR4TBS34P	DR4TBS34PL	*Brushed Stainless
DR4TPS34P	DR4TPS34PL	*Polished Stainless
DR4TPB34P	DR4TPB34PL	*Polished Brass



4" Tapered

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

### 4" SQUARE PATCH DOOR RAILS FOR 3/4" (19 MM) GLASS 12" (305 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4SSA34P	DR4SSA34PL	Satin Anodized
DR4SDU34P	DR4SDU34PL	Black Bronze Anodized
DR4SBL34P	DR4SBL34PL	Black Powder Coat
DR4SBS34P	DR4SBS34PL	*Brushed Stainless
DR4SPS34P	DR4SPS34PL	*Polished Stainless
DR4SPB34P	DR4SPB34PL	*Polished Brass



4" Square

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

### 4" TAPERED PATCH DOOR RAILS FOR 5/8" (16 MM) GLASS 12" (305 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4TSA58P	DR4TSA58PL	Satin Anodized
DR4TDU58P	DR4TDU58PL	Black Bronze Anodized
DR4TBL58P	DR4TBL58PL	Black Powder Coat
DR4TBS58P	DR4TBS58PL	*Brushed Stainless
DR4TPS58P	DR4TPS58PL	*Polished Stainless
DR4TPB58P	DR4TPB58PL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.

### 4" SQUARE PATCH DOOR RAILS FOR 5/8" (16 MM) GLASS 12" (305 MM) LENGTH

CAT. NO. WITHOUT LOCK	CAT. NO. WITH LOCK	FINISH
DR4SSA58P	DR4SSA58PL	Satin Anodized
DR4SDU58P	DR4SDU58PL	Black Bronze Anodized
DR4SBL58P	DR4SBL58PL	Black Powder Coat
DR4SBS58P	DR4SBS58PL	*Brushed Stainless
DR4SPS58P	DR4SPS58PL	*Polished Stainless
DR4SPB58P	DR4SPB58PL	*Polished Brass

Minimum order: 1 each. All Door Rails can be combined for quantity pricing. \*Clad finish.



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[crlaurence.co.uk](http://crlaurence.co.uk)

[crlaurence.de](http://crlaurence.de)

## CRL AGT2 Mortise Mount Pivot Bracket



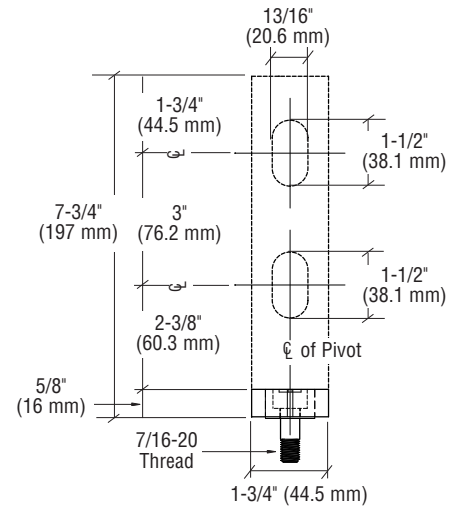
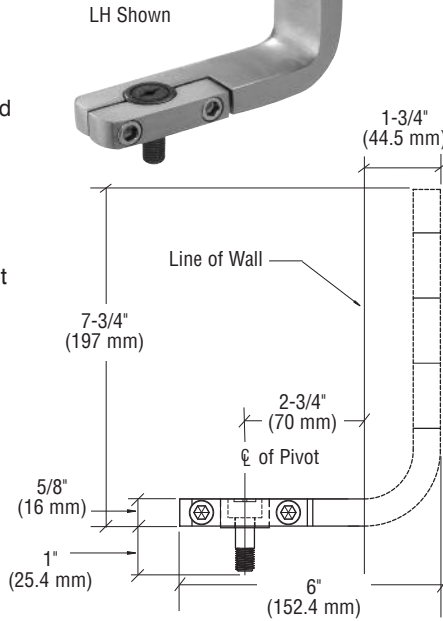
- Supports Transom Weight
- Right and Left Handed Models

The AGT2 Series Mortise Mount Pivot Bracket was designed to support the weight of an 'all-glass' transom above a door while providing a top pivot. These Brackets are handed and require substantial jamb depth for mortising. Brushed nickel and polished chrome finishes in left and right hand models.

**NOTE:** Must be attached to a substrate with sufficient structural integrity to support the weight of the transom and handle the forces generated by the opening and closing of the door.

CAT. NO.	HANDING	FINISH
AGT2LBS	Left Hand	Brushed Nickel
AGT2LPS	Left Hand	Polished Chrome
AGT2RBS	Right Hand	Brushed Nickel
AGT2RPS	Right Hand	Polished Chrome

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



## CRL AGT3 Surface Mount Pivot Bracket



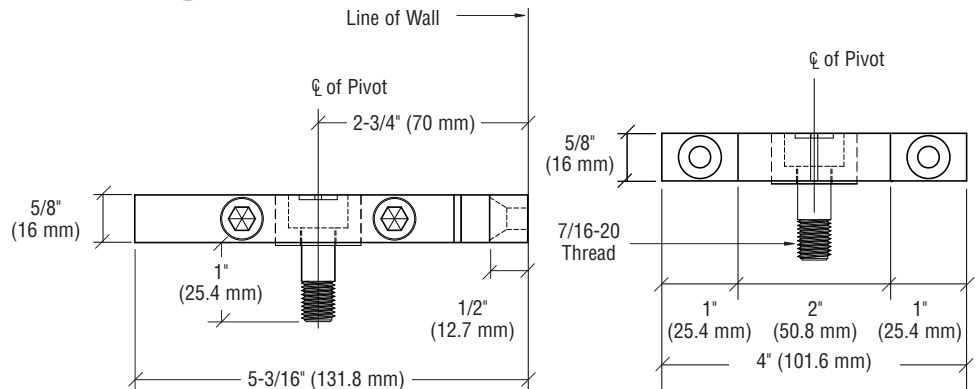
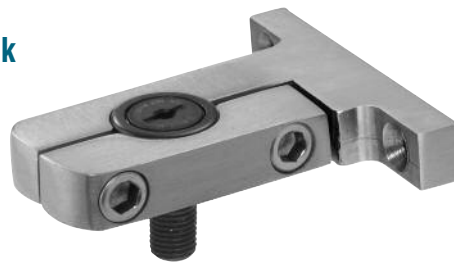
- Alloy 304 Stainless Steel
- Non-Handed
- 2-3/4" American Standard Setback

The AGT3 Series Surface Mount Pivot Bracket was designed to accommodate heavy glass doors that don't require the supporting of a transom above. Non-handed Brackets are available in brushed and polished stainless finishes.

**NOTE:** Must be attached to a substrate with sufficient structural integrity to handle the forces generated by the opening and closing of the door.

CAT. NO.	HANDING	FINISH
AGT3BS	Non-Handed	Brushed Stainless
AGT3PS	Non-Handed	Polished Stainless

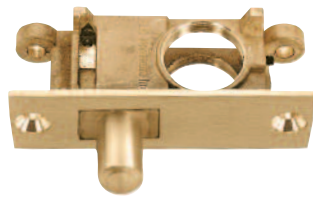
Minimum order: 1 each. Pivot Brackets can be combined for quantity pricing.



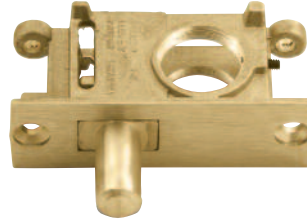


## CRL Door Rail Locks

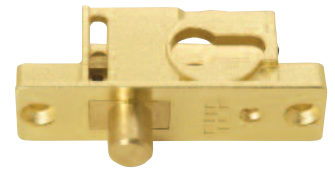
- Solid Brass Construction
- 5/8" (16 mm) Diameter Plunger Bolt
- Three Models Available



CAT. NO. 777S



CAT. NO. 777SL



CAT. NO. 777EC

All CRL Door Rail Locks are made of solid brass for long, worry free use. Available in three models; Standard Mortise, Long Throw Mortise, and our newest Standard European. The Standard Mortise is our default lock on all 4", 6", and 10" Wedge-Lock™ Door Rails. For cases where the standard 11/16" (17.5 mm) bolt projection is not enough, we offer a Long Throw Mortise that has an extended throw at 1-1/16" (27 mm) long. The new Standard European model works with our EC3 Series Keyed Cylinders see page Z519 (sold separately).

CAT. NO.	DESCRIPTION
777S	Standard Mortise Lock
777SL	Long Throw Mortise Lock
777EC	Standard European Lock

Minimum order: 1 each.

## CRL Dustproof Keeper Without Mounting Plate

- Accepts 5/8" (16 mm) Diameter Plunger Bolt

This CRL Dustproof Keeper is intended for use with our AMR205 Patch Lock, 777S or 777SL Door Rail Locks, Locking Ladder Pulls, or any other lock with a 5/8" (16 mm) plunger type latch bolt. Requires a 1" (25 mm) diameter hole drilled 2" (51 mm) into the floor for installation.

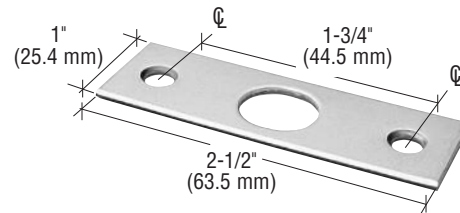


CAT. NO.	FINISH
AMR207PS	Polished Chrome
AMR207BR	Polished Brass
AMR207BN	Brushed Nickel

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

## CRL Strike Plate

- Works With Door Rail Floor Lock Bolts



This CRL Metal Strike Plate will work with our AMR205 Patch Lock, 777S or 777SL Door Rail Lock, or any other lock with a 5/8" (16 mm) plunger type latch bolt. One per package with two screws.

CAT. NO.	FINISH
777SPSA	Clear Anodized
777SPDU	Black Bronze Anodized
777SPPS	Polished Stainless
777SPBS	Brushed Stainless
777SPPB	Polished Brass

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

## CRL Dustproof Keeper With Mounting Plate

- Available in Three Finishes in Locking and Non-Locking Models
- Accepts 5/8" (16 mm) Diameter Plunger Bolt

The CRL Dustproof Keeper With Mounting Plate works with our 777S or 777SL Door Rail Floor Locks, Locking Ladder Pulls, and our AMR205A Patch Lock. Accepts 5/8" (16 mm) plunger from these or similar devices. Two styles available: Locking and Non-Locking. Keeper is packed with two Flat Head Screws. Requires a 1" (25 mm) diameter hole drilled 2" (51 mm) into the floor for installation.



Locking Keeper



Non-Locking Keeper

LOCKING CAT. NO.	NON-LOCKING CAT. NO.	FINISH
AMR209PS	AMR208PS	Polished Chrome
AMR209BR	AMR208BR	Polished Brass
AMR209BN	AMR208BN	Brushed Nickel

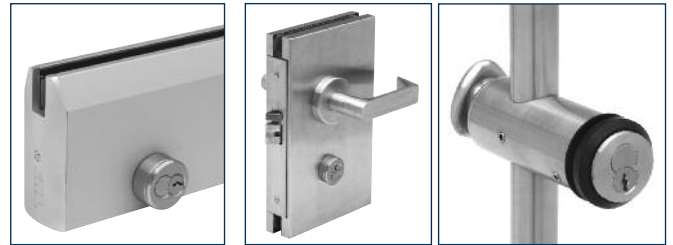
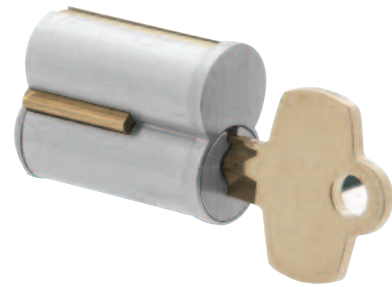
Minimum order: 1 each. Finishes can be combined for quantity pricing.

## CRL Small Format Interchangeable Cores (SFIC) and Housings

### CRL Small Format Interchangeable Cores (SFIC)

- Works With CRL Locking Ladder Pulls, Wedge-Lock™ Door Rails, 4" x 10" and 6" x 10" Center Locks, and CRL Panic and Deadbolt Devices
- 7-Pin Type Core
- 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	1C06	6
1C02	2	1C07	7
1C03	3	1C08	8
1C04	4	1C09	9
1C05	5	1C10	10

Minimum order: 1 each. All SFIC Cores can be combined for quantity pricing.

Minimum order: 1 each. All SFIC Cores can be combined for quantity pricing.

#### ORDERING INFORMATION:

- Each Core comes with one Control Key and two Operate Keys.
- Mortise Housings not included and must be ordered separately (see below). **NOTE:** When used with CRL Locking Ladder Pulls, Mortise Housings are not required.
- Not compatible with larger 'removable' core systems.
- When used with CRL Low Profile Wedge-Lock™ Door Rails an additional DRA256 Series Cylinder Ring must be ordered separately.

### CRL Mortise Housings for Small Format Interchangeable Cores (SFIC)

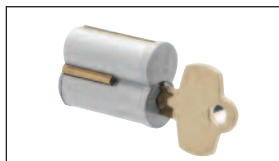
- Compatible With Any 7-Pin SFIC Type Core
- Available in Five Architectural Finishes

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 and replace with a new Housing and Core, it's that easy!



CAT. NO.	FINISH
1CHBS	Brushed Stainless
1CHDU	Black Bronze Anodized
1CHPB	Polished Brass
1CHPS	Polished Stainless
1CHSA	Satin Anodized

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



Cores must be ordered separately

#### ORDERING INFORMATION:

- Each Housing comes with a 1/2" (12 mm) tall cylinder ring.
- SFIC Cores must be ordered separately (see above).
- Not compatible with larger 'removable' core systems.
- When used with CRL Low Profile Wedge-Lock™ Door Rails an additional DRA256 Series Cylinder Ring must be ordered separately.



## CRL Mortise Cylinder Combos

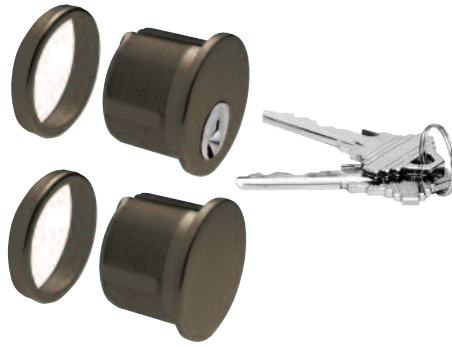
**new**

- 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™ Door Rail System. Used in conjunction with 777S Door Rail Locks, 777SP Series Strike Plates, and AMR208 Series Dustproof Keepers (see page Z436). 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.



**DRA1020**  
Cylinder/Thumbturn



**DRA1030**  
Cylinder/Dummy



**DRA2030**  
Thumbturn/Dummy

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. For individual Cylinder Rings and Lock Cams, see our CRL63 Catalog or go to [crlaurence.com](http://crlaurence.com)

## CRL Mortise Cylinders, Thumbturns, and Dummy Cylinders

- 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™ Door Rail System. Used in conjunction with 777S Door Rail Locks, 777SP Series Strike Plates, and AMR208 Series Dustproof Keepers (see page Z436). 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.



**DRA10**  
Keyed Cylinder



**DRA20**  
Thumbturn



**DRA22**  
Low Profile Thumbturn



**DRA30**  
Dummy Cylinder

KEYED CYLINDER CAT. NO.	THUMBTURN CAT. NO.	LOW PROFILE THUMBTURN CAT. NO.	DUMMY CYLINDER CAT. NO.	FINISH
DRA10SA	DRA20SA	DRA22SA	DRA30SA	Clear Anodized
DRA10DU	DRA20DU	DRA22DU	DRA30DU	Bronze Anodized
DRA10PS	DRA20PS	DRA22PS	DRA30PS	Polished Stainless
DRA10BS	DRA20BS	DRA22BS	DRA30BS	Brushed Stainless
DRA10PB	DRA20PB	DRA22PB	DRA30PB	Polished Brass

Minimum order: 1 each. Finishes can be combined for quantity pricing. For individual Cylinder Rings and Lock Cams, see our CRL63 Catalog or go to [crlaurence.com](http://crlaurence.com)



## 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 Series Locks
- Five Architectural Finishes

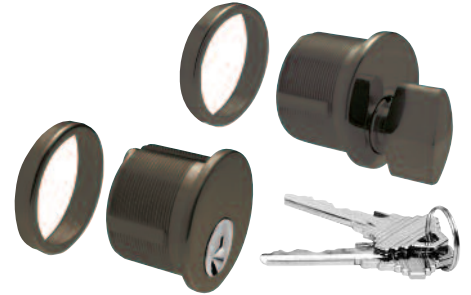
These CRL Keyed Cylinders and Thumbturns are designed as replacements on all of our standard 4" x 10" Center Lock Housings. They can also be used as replacements in Adams Rite MS Series Locks. These are a good item to stock if you regularly work in the repair and maintenance of aluminum storefront doors. **NOTE:** All Cylinders are keyed alike. Randomly Keyed Cylinders are available on special order.



**DRA50**  
Keyed Cylinder



**DRA60**  
Thumbturn



**DRA5060**  
Cylinder/Thumbturn

KEYED CYLINDER CAT. NO.	THUMBTURN CAT. NO.	CYLINDER/THUMBTURN COMBO 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. For individual Cylinder Rings and Lock Cams, see our CRL63 Catalog or go to [crlaurence.com](http://crlaurence.com)

## 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



Full Length Wool Pile Weatherstrip

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 Z440).

**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.

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	CSW12PS	MTW12PS	MSW12PS	Polished Stainless
CTW12PB	CSW12PB	MTW12PB	MSW12PB	Polished Brass
CTW12BS	CSW12BS	MTW12BS	MSW12BS	Brushed Stainless
CTW12DU	CSW12DU	-----	-----	Black Bronze Anodized
CTW12SA	CSW12SA	-----	-----	Satin Anodized

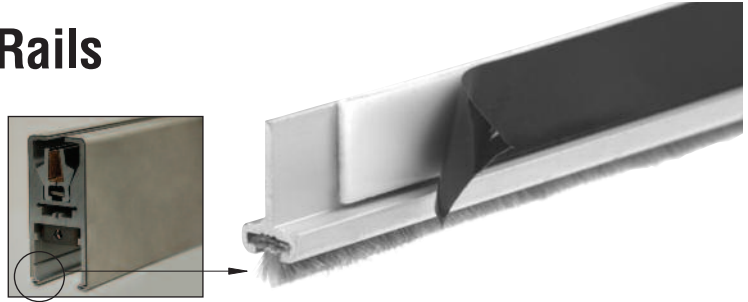
Minimum order: 1 each. All Weatherstrip Kits can be combined for quantity pricing.





## 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.

CAT. NO.	TYPE	FINISH	UNIT
<b>DRWSAS</b>	Single Door Rail	Satin Anodized	Set of 2
<b>DRWDUS</b>	Single Door Rail	Black Bronze Anodized	Set of 2
<b>DRWSA144</b>	*Stock Length	Satin Anodized	144" (3.66 m)
<b>DRWDU144</b>	*Stock Length	Black Bronze Anodized	144" (3.66 m)

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.

## CRL Translucent Bulb Seal

- Two Sizes Available

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). Apply with CRL Very Hi-Bond Acrylic Tape (see below).



CAT. NO.	MAX. GAP	LENGTH
<b>SDTJ</b>	5/32" (4 mm)	98" (2.49 m)
<b>SDTB</b>	7/32" (5.6 mm)	98" (2.49 m)

Minimum order: 1 each. Packing Charge added to orders of fewer than 10 lengths.

## CRL Clear Polycarbonate Wipe With Pile Weatherstrip

- Eliminates Drafts Between Doors



CAT. NO. CW12

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.

## CRL Very Hi-Bond Adhesive Tape

- Transparent Acrylic
- Gains Full Strength Over a 72 Hour Period



1/2" Width in .040" Thickness  
1/4" Width in .040" Thickness

- 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. To see our full range of sizes go to [crlaurence.com](http://crlaurence.com).

CAT. NO.	WIDTH	THICKNESS	ROLL LENGTH
<b>AT04014</b>	1/4" (6 mm)	.040" (1.02 mm)	108' (33 m)
<b>AT0401436</b>	1/4" (6 mm)	.040" (1.02 mm)	36' (11 m)
<b>AT04012</b>	1/2" (12 mm)	.040" (1.02 mm)	108' (33 m)
<b>AT0401236</b>	1/2" (12 mm)	.040" (1.02 mm)	36' (11 m)

Minimum order: 1 roll.

## CRL Adhesive Backed Pile Weatherstrip

- Most Economical Way to Reduce Air and Dust Infiltration Around Doors
- Simple Press-On Installation



CRL Adhesive Backed Pile Weatherstrip is a water-resistant pile woven with silicone treated polypropylene fibers and a layer of polypropylene foam that is attached to a polypropylene backing with pressure-sensitive adhesive. Especially good for applications on irregular surfaces, helping the weatherstrip conform to surface contours. Helps conserve energy by keeping windows and doors sealed.

CAT. NO.	PILE HEIGHT	BACK WIDTH	ROLL LENGTH
<b>A71320C</b>	.200" (5.1 mm)	.270" (6.9 mm)	100' (30.5 m)
<b>A71320B</b>	.200" (5.1 mm)	.270" (6.9 mm)	700' (213.4 m)

Minimum order: 1 roll.



## CRL Vertical Weatherstile Kits

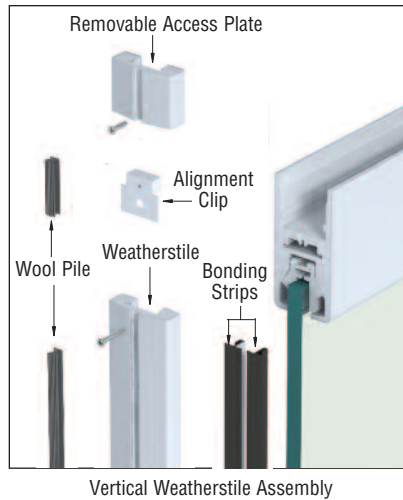
**new**

- 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.



## CRL Vertical Weatherstile Kits

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

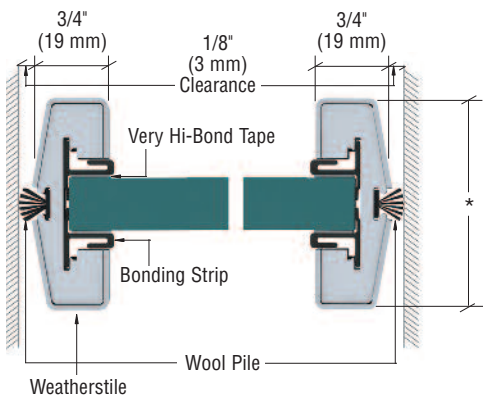
CAT. NO.	CLADDED FINISH
W12SAS	Satin Anodized
W12DUS	Black Bronze Anodized
W12BSS	Brushed Stainless
W12PSS	Polished Stainless
W12PBS	Polished Brass

Minimum order: 1 set. Finishes can be combined for quantity pricing. All Weatherstiles have a cladded finish.

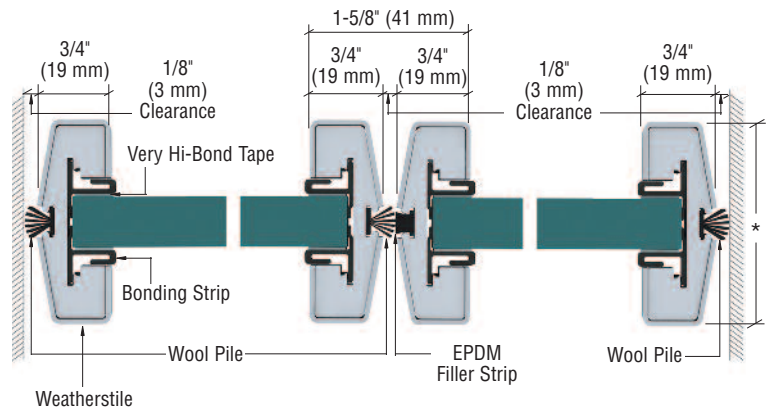
### KITS FOR 3/4" (19 MM) GLASS

CAT. NO.	CLADDED FINISH
W34SAS	Satin Anodized
W34DUS	Black Bronze Anodized
W34BSS	Brushed Stainless
W34PSS	Polished Stainless
W34PBS	Polished Brass

Minimum order: 1 set. Finishes can be combined for quantity pricing. All Weatherstiles have a cladded finish.



Single Door



Double Door

\* Overall width is 2" (51 mm) for 1/2" (12 mm) glass; 2-1/4" (57 mm) for 3/4" (19 mm) glass.

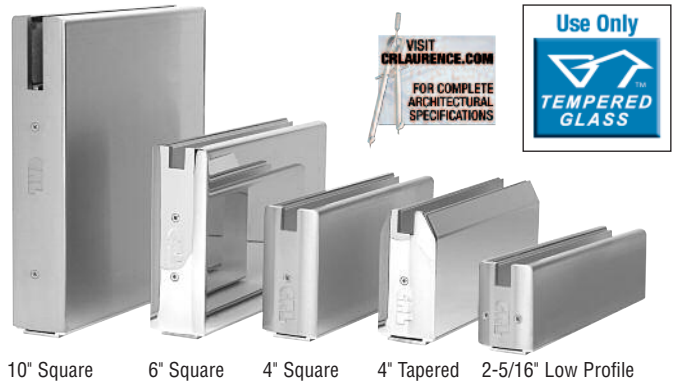


# CRL GLASS ENTRANCE SYSTEM SIDELITE RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Sidelite Rails With Top Load Roll-In Gasket

- Five Styles in Up to Eleven Architectural Finishes
- Sidelite Rails Match Door Rails for an Even Sightline



VISIT [CRLAURENCE.COM](http://CRLAURENCE.COM) FOR COMPLETE ARCHITECTURAL SPECIFICATIONS



C.R. LAURENCE COMPANY

2442 |

[crlaurence.ca](http://crlaurence.ca)

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[crlaurence.com](http://crlaurence.com)

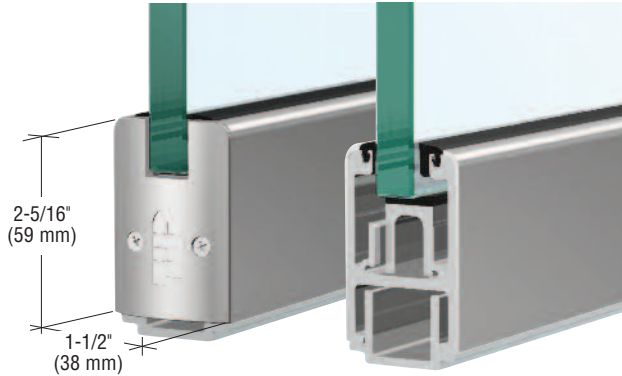
[crlaurence.de](http://crlaurence.de)



## CRL Low Profile Sidelite Rails With Saddle



- Low Profile 2-5/16" (59 mm) Tall Rails Provide an Even Sight Line With Our Low Profile Door Rails
- Extruded Saddle is Reversible to Match 1/4" (6 mm) or 3/4" (19 mm) Door Clearances
- Vinyl Provided for Use With 1/2" (12 mm) Glass
- **RED-E to Ship Models From CRL Inventory**



These CRL Low Profile Sidelite Rails measure only 2-5/16" (59 mm) tall by 1-1/2" (38.1 mm) wide, a perfect match for our Low Profile Door Rails. The included Reversible Saddle allows you to maintain a perfect sight line even when using a 1/2" (12.7 mm) threshold under the door. Choose from six architectural finishes.

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. 7700. You can also send e-mail from the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

**RED-E to Ship From Stock**

### LOW PROFILE SIDELITE RAILS

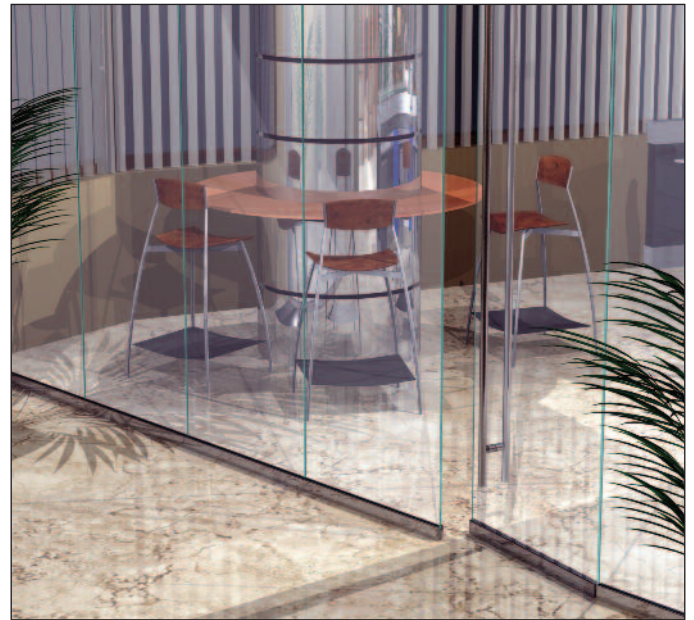
CAT. NO.	FINISH	LENGTH
<b>SR2SSA12SL</b>	*Satin Anodized	120" (3.05 m)
<b>SR2SDU12SL</b>	*Black Bronze Anodized	120" (3.05 m)
<b>SR2SBL12SL</b>	*Black Powder Coat	120" (3.05 m)
<b>SR2SBS12SL</b>	*Brushed Stainless	120" (3.05 m)
<b>SR2SPS12SL</b>	*Polished Stainless	120" (3.05 m)
<b>SR2SPB12SL</b>	*Polished Brass	120" (3.05 m)
<b>SR2SSA12240</b>	*Satin Anodized	240" (6.10 m)
<b>SR2SDU12240</b>	*Black Bronze Anodized	240" (6.10 m)
<b>SR2SBL12240</b>	*Black Powder Coat	240" (6.10 m)

Minimum order: 1 each. All Sidelite Rails can be combined for quantity pricing. Must ship common carrier. \*Clad finish.  
NOTE: Rails include vinyl for 1/2" (12 mm) glass.

### CUSTOM LENGTH LOW PROFILE SIDELITE RAILS

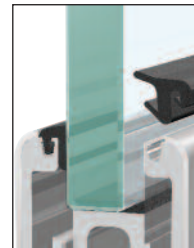
CAT. NO.	FINISH	LENGTH
<b>SR2SSA12CL</b>	*Satin Anodized	Custom up to 240" (6.10 m)
<b>SR2SDU12CL</b>	*Black Bronze Anodized	Custom up to 240" (6.10 m)
<b>SR2SBL12CL</b>	*Black Powder Coat	Custom up to 240" (6.10 m)
<b>SR2SBS12CL</b>	*Brushed Stainless	Custom up to 240" (6.10 m)
<b>SR2SPS12CL</b>	*Polished Stainless	Custom up to 240" (6.10 m)
<b>SR2SPB12CL</b>	*Polished Brass	Custom up to 240" (6.10 m)

Minimum order: 1 each. Rails over 108" (2.74 m) must ship common carrier. \*Clad finish.  
NOTE: Rails include vinyl for 1/2" (12 mm) glass.

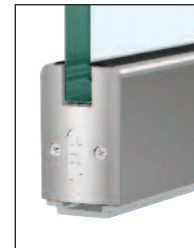


### ORDERING INFORMATION:

- End Caps and Setting Blocks must be ordered separately.
- Custom lengths and finishes available on special order.
- Low Profile Sidelite Rails come with vinyl to glaze 1/2" (12 mm) glass. For replacement vinyl use our Cat. No. GGT12 Series Vinyl.



Top Load E.P.D.M. Glazing Gasket



Reversible Saddle Positioned for 1/4" (6 mm) Clearance



Reversible Saddle Positioned for 3/4" (19 mm) Clearance

### END CAPS FOR LOW PROFILE SIDELITE RAILS

CAT. NO.	FINISH
<b>SREC2SSA</b>	Satin Anodized
<b>SREC2SDU</b>	Black Bronze Anodized
<b>SREC2SBL</b>	Black Powder Coat
<b>SREC2SBS</b>	Brushed Stainless
<b>SREC2SPS</b>	Polished Stainless
<b>SREC2SPB</b>	Polished Brass

Minimum order: 1 each. All End Caps can be combined for quantity pricing.



### 4" ALUMINUM AND NEOPRENE SETTING BLOCK

Designed to be placed in bottom Sidelite Rail when used in 'lift and drop' installations. Minimum order is one each.

Length 4" (102 mm)  
Width 5/8" (16 mm)  
Height 7/8" (22 mm)

CAT. NO. UCSB4





# CRL GLASS ENTRANCE SYSTEM SIDELITE RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 4" Tapered Shape Sidelite Rails With Saddle

For 3/8" (10 mm) or 1/2" (12 mm) Glass

- Extruded Saddle is Reversible to Match 1/4" (6 mm) or 3/4" (19 mm) Door Clearances
- Provides Even Sightline With Our Door Rails
- Vinyl Provided to Use With 1/2" (12 mm) Glass; Vinyl for 3/8" (10 mm) Glass Ordered Separately
- **RED-E to Ship** Models From CRL Inventory



### ORDERING INFORMATION:

- Sidelite Rails on this page come with vinyl to glaze 1/2" (12 mm) glass. If using 3/8" (10 mm) glass, GG38 Series Vinyl must be ordered separately.
- All models are available in 120" (3.05 m) lengths. Selected finishes are also offered in 240" (6.10 m) lengths.
- Custom lengths and finishes are also available.
- SREC4T Series End Caps and Cat. No. UCSB4 Setting Blocks must be ordered separately.



Top Load E.P.D.M. Glazing Gasket



Reversible Saddle Positioned for 1/4" (6 mm) Clearance



Reversible Saddle Positioned for 3/4" (19 mm) Clearance

**RED-E to Ship From Stock**



### 4" TAPERED SIDELITE RAILS

CAT. NO.	FINISH	LENGTH
SR4TSA3812SL	Satin Anodized	120" (3.05 m)
SR4TDU3812SL	Black Bronze Anodized	120" (3.05 m)
SR4TBL3812SL	Black Powder Coat	120" (3.05 m)
SR4TBS3812SL	*Brushed Stainless	120" (3.05 m)
SR4TPS3812SL	*Polished Stainless	120" (3.05 m)
SR4TPB3812SL	*Polished Brass	120" (3.05 m)

Minimum order: 1 each. All Sidelite Rails can be combined for quantity pricing. Must ship common carrier. \*Clad finish.  
NOTE: Rails include vinyl for 1/2" (12 mm) glass. Using 3/8" (10 mm) glass requires that vinyl be ordered separately.

### CUSTOM LENGTH 4" TAPERED SIDELITE RAILS

CAT. NO.	FINISH	LENGTH
SR4TSA3812CL	Satin Anodized	Custom up to 240" (6.10 m)
SR4TDU3812CL	Black Bronze Anodized	Custom up to 240" (6.10 m)
SR4TBL3812CL	Black Powder Coat	Custom up to 240" (6.10 m)
SR4TBS3812CL	*Brushed Stainless	Custom up to 240" (6.10 m)
SR4TPS3812CL	*Polished Stainless	Custom up to 240" (6.10 m)
SR4TPB3812CL	*Polished Brass	Custom up to 240" (6.10 m)
SR4TORB3812CL	*Oil Rubbed Bronze	Custom up to 240" (6.10 m)

Minimum order: 1 each. Rails over 108" (2.74 m) must ship common carrier. \*Clad finish.  
NOTE: Rails include vinyl for 1/2" (12 mm) glass. Using 3/8" (10 mm) glass requires that vinyl be ordered separately.

### 4" TAPERED SIDELITE RAILS

CAT. NO.	FINISH	LENGTH
SR4TSA3812240	Satin Anodized	240" (6.10 m)
SR4TDU3812240	Black Bronze Anodized	240" (6.10 m)

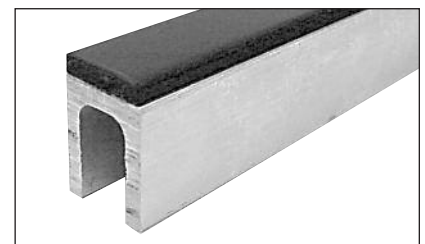
Minimum order: 1 each. All Sidelite Rails can be combined for quantity pricing. Must ship common carrier.  
NOTE: Rails include vinyl for 1/2" (12 mm) glass. Using 3/8" (10 mm) glass requires that vinyl be ordered separately.

### 4" ALUMINUM AND NEOPRENE SETTING BLOCK

Designed to be placed in bottom Sidelite Rail when used in 'lift and drop' installations. Minimum order is one each.

Length 4" (102 mm)  
Width 5/8" (16 mm)  
Height 7/8" (22 mm)

CAT. NO. UCSB4



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# CRL GLASS ENTRANCE SYSTEM SIDELITE RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 4" Square Shape Sidelite Rails With Saddle

For 3/8" (10 mm) or 1/2" (12 mm) Glass

- Extruded Saddle is Reversible to Match 1/4" (6 mm) or 3/4" (19 mm) Door Clearances
- Provides Even Sightline With Our Door Rails
- Vinyl Provided to Use With 1/2" (12 mm) Glass; Vinyl for 3/8" (10 mm) Glass Ordered Separately
- **RED-E to Ship** Models From CRL Inventory

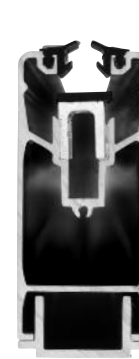


### ORDERING INFORMATION:

- Sidelite Rails on this page come with vinyl to glaze 1/2" (12 mm) glass. If using 3/8" (10 mm) glass, GG38 Series Vinyl must be ordered separately.
- All models are available in 120" (3.05 m) lengths. Selected finishes are also offered in 240" (6.10 m) lengths.
- Custom lengths and finishes are also available.
- SREC4S Series End Caps and Cat. No. UCSB4 Setting Blocks must be ordered separately.



Top Load E.P.D.M. Glazing Gasket



Reversible Saddle Positioned for 1/4" (6 mm) Clearance



Reversible Saddle Positioned for 3/4" (19 mm) Clearance

**RED-E to Ship From Stock**



### 4" SQUARE SIDELITE RAILS

CAT. NO.	FINISH	LENGTH
SR4SSA3812SL	Satin Anodized	120" (3.05 m)
SR4SDU3812SL	Black Bronze Anodized	120" (3.05 m)
SR4SBL3812SL	Black Powder Coat	120" (3.05 m)
SR4SBS3812SL	*Brushed Stainless	120" (3.05 m)
SR4SPS3812SL	*Polished Stainless	120" (3.05 m)
SR4SPB3812SL	*Polished Brass	120" (3.05 m)

Minimum order: 1 each. All Sidelite Rails can be combined for quantity pricing. Must ship common carrier. \*Clad finish.  
NOTE: Rails include vinyl for 1/2" (12 mm) glass. Using 3/8" (10 mm) glass requires that vinyl be ordered separately.

### CUSTOM LENGTH 4" SQUARE SIDELITE RAILS

CAT. NO.	FINISH	LENGTH
SR4SSA3812CL	Satin Anodized	Custom up to 240" (6.10 m)
SR4SDU3812CL	Black Bronze Anodized	Custom up to 240" (6.10 m)
SR4SBL3812CL	Black Powder Coat	Custom up to 240" (6.10 m)
SR4SBS3812CL	*Brushed Stainless	Custom up to 240" (6.10 m)
SR4SPS3812CL	*Polished Stainless	Custom up to 240" (6.10 m)
SR4SPB3812CL	*Polished Brass	Custom up to 240" (6.10 m)
SR4SORB3812CL	*Oil Rubbed Bronze	Custom up to 240" (6.10 m)

Minimum order: 1 each. Rails over 108" (2.74 m) must ship common carrier. \*Clad finish.  
NOTE: Rails include vinyl for 1/2" (12 mm) glass. Using 3/8" (10 mm) glass requires that vinyl be ordered separately.

### 4" SQUARE SIDELITE RAILS

CAT. NO.	FINISH	LENGTH
SR4SSA3812240	Satin Anodized	240" (6.10 m)
SR4SDU3812240	Black Bronze Anodized	240" (6.10 m)

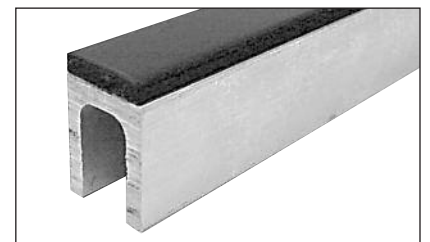
Minimum order: 1 each. All Sidelite Rails can be combined for quantity pricing. Must ship common carrier.  
NOTE: Rails include vinyl for 1/2" (12 mm) glass. Using 3/8" (10 mm) glass requires that vinyl be ordered separately.

### 4" ALUMINUM AND NEOPRENE SETTING BLOCK

Designed to be placed in bottom Sidelite Rail when used in 'lift and drop' installations. Minimum order is one each.

Length 4" (102 mm)  
Width 5/8" (16 mm)  
Height 7/8" (22 mm)

CAT. NO. UCSB4





# CRL GLASS ENTRANCE SYSTEM SIDELITE RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 6" Square Shape Sidelite Rails With Saddle

For 3/8" (10 mm) or 1/2" (12 mm) Glass

- Extruded Saddle is Reversible to Match 1/4" (6 mm) or 3/4" (19 mm) Door Clearances
- Provides Even Sightline With Our Door Rails
- Vinyl Provided to Use With 1/2" (12 mm) Glass; Vinyl for 3/8" (10 mm) Glass Ordered Separately
- **RED-E to Ship** Models From CRL Inventory



### ORDERING INFORMATION:

- Sidelite Rails on this page come with vinyl to glaze 1/2" (12 mm) glass. If using 3/8" (10 mm) glass, GG38 Series Vinyl must be ordered separately.
- All models are available in 120" (3.05 m) lengths. Selected finishes are also offered in 240" (6.10 m) lengths.
- Custom lengths and finishes are also available.
- SREC6S Series End Caps and Cat. No. UCSB4 Setting Blocks must be ordered separately.



Top Load E.P.D.M. Glazing Gasket



Reversible Saddle Positioned for 1/4" (6 mm) Clearance



Reversible Saddle Positioned for 3/4" (19 mm) Clearance

**RED-E to Ship From Stock**



### 6" SQUARE SIDELITE RAILS

CAT. NO.	FINISH	LENGTH
SR6SSA3812SL	*Satin Anodized	120" (3.05 m)
SR6SDU3812SL	*Black Bronze Anodized	120" (3.05 m)
SR6SBL3812SL	*Black Powder Coat	120" (3.05 m)
SR6SBS3812SL	*Brushed Stainless	120" (3.05 m)
SR6SPS3812SL	*Polished Stainless	120" (3.05 m)
SR6SPB3812SL	*Polished Brass	120" (3.05 m)

Minimum order: 1 each. All Sidelite Rails can be combined for quantity pricing. Must ship common carrier. \*Clad finish.  
NOTE: Rails include vinyl for 1/2" (12 mm) glass. Using 3/8" (10 mm) glass requires that vinyl be ordered separately.

### CUSTOM LENGTH 6" SQUARE SIDELITE RAILS

CAT. NO.	FINISH	LENGTH
SR6SSA3812CL	*Satin Anodized	Custom up to 240" (6.10 m)
SR6SDU3812CL	*Black Bronze Anodized	Custom up to 240" (6.10 m)
SR6SBL3812CL	*Black Powder Coat	Custom up to 240" (6.10 m)
SR6SBS3812CL	*Brushed Stainless	Custom up to 240" (6.10 m)
SR6SPS3812CL	*Polished Stainless	Custom up to 240" (6.10 m)
SR6SPB3812CL	*Polished Brass	Custom up to 240" (6.10 m)
SR6SORB3812CL	*Oil Rubbed Bronze	Custom up to 240" (6.10 m)

Minimum order: 1 each. Rails over 108" (2.74 m) must ship common carrier. \*Clad finish.  
NOTE: Rails include vinyl for 1/2" (12 mm) glass. Using 3/8" (10 mm) glass requires that vinyl be ordered separately.

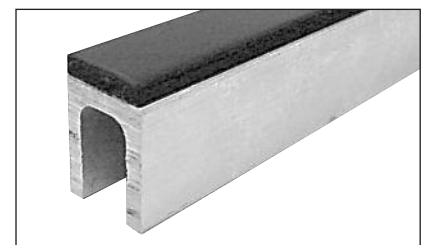


### 4" ALUMINUM AND NEOPRENE SETTING BLOCK

Designed to be placed in bottom Sidelite Rail when used in 'lift and drop' installations. Minimum order is one each.

Length 4" (102 mm)  
Width 5/8" (16 mm)  
Height 7/8" (22 mm)

CAT. NO. UCSB4



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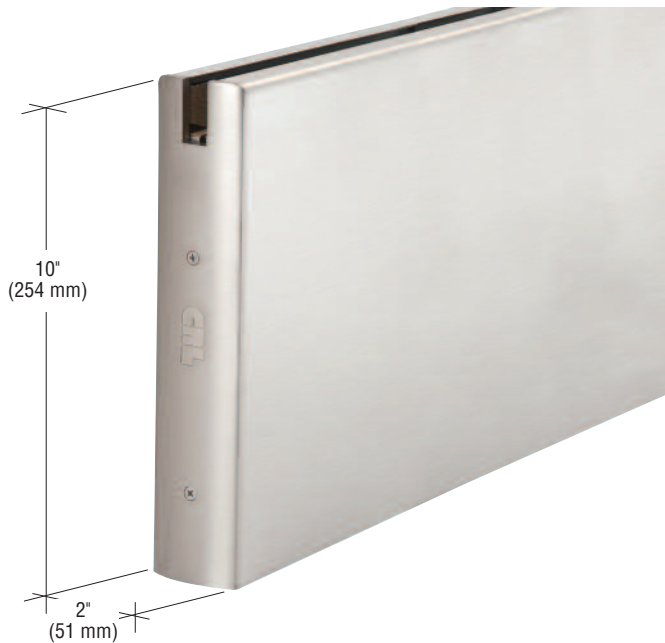
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## CRL 10" Square Shape Sidelite Rails With Saddle

For 3/8" (10 mm) or 1/2" (12 mm) Glass

- Extruded Saddle is Reversible to Match 1/4" (6 mm) or 3/4" (19 mm) Door Clearances
- Provides Even Sightline With Our Door Rails
- Vinyl Provided to Use With 1/2" (12 mm) Glass; Vinyl for 3/8" (10 mm) Glass Ordered Separately
- **RED-E to Ship** Models From CRL Inventory



### ORDERING INFORMATION:

- Sidelite Rails on this page come with vinyl to glaze 1/2" (12 mm) glass. If using 3/8" (10 mm) glass, GG38 Series Vinyl must be ordered separately.
- All models are available in 120" (3.05 m) lengths. Selected finishes are also offered in 240" (6.10 m) lengths.
- Custom lengths and finishes are also available.
- SREC-10S Series End Caps and Cat. No. UCSB4 Setting Blocks must be ordered separately.

**RED-E to Ship From Stock**



Top Load E.P.D.M. Glazing Gasket



Reversible Saddle Positioned for 1/4" (6 mm) Clearance



Reversible Saddle Positioned for 3/4" (19 mm) Clearance

### 10" SQUARE SIDELITE RAILS

CAT. NO.	FINISH	LENGTH
SR10SSA3812SL	*Satin Anodized	120" (3.05 m)
SR10SDU3812SL	*Black Bronze Anodized	120" (3.05 m)
SR10SBL3812SL	*Black Powder Coat	120" (3.05 m)
SR10SBS3812SL	*Brushed Stainless	120" (3.05 m)
SR10SPS3812SL	*Polished Stainless	120" (3.05 m)
SR10SPB3812SL	*Polished Brass	120" (3.05 m)

Minimum order: 1 each. All Sidelite Rails can be combined for quantity pricing. Must ship common carrier. \*Clad finish.  
NOTE: Rails include vinyl for 1/2" (12 mm) glass. Using 3/8" (10 mm) glass requires that vinyl be ordered separately.

### CUSTOM LENGTH 10" SQUARE SIDELITE RAILS

CAT. NO.	FINISH	LENGTH
SR10SSA3812CL	*Satin Anodized	Custom up to 240" (6.10 m)
SR10SDU3812CL	*Black Bronze Anodized	Custom up to 240" (6.10 m)
SR10SBL3812CL	*Black Powder Coat	Custom up to 240" (6.10 m)
SR10SBS3812CL	*Brushed Stainless	Custom up to 240" (6.10 m)
SR10SPS3812CL	*Polished Stainless	Custom up to 240" (6.10 m)
SR10SPB3812CL	*Polished Brass	Custom up to 240" (6.10 m)
SR10SORB3812CL	*Oil Rubbed Bronze	Custom up to 240" (6.10 m)

Minimum order: 1 each. Rails over 108" (2.74 m) must ship common carrier. \*Clad finish.  
NOTE: Rails include vinyl for 1/2" (12 mm) glass. Using 3/8" (10 mm) glass requires that vinyl be ordered separately.

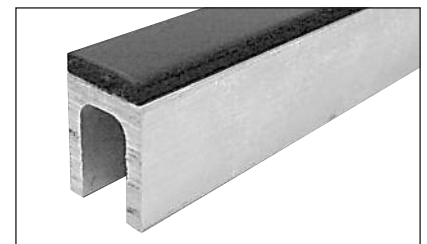


### 4" ALUMINUM AND NEOPRENE SETTING BLOCK

Designed to be placed in bottom Sidelite Rail when used in 'lift and drop' installations. Minimum order is one each.

Length 4" (102 mm)  
Width 5/8" (16 mm)  
Height 7/8" (22 mm)

CAT. NO. UCSB4





# CRL GLASS ENTRANCE SYSTEM SIDELITE RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 4" Tapered Shape Sidelite Rails With Saddle

For 5/8" (16 mm) or 3/4" (19 mm) Glass



- Extruded Saddle is Reversible to Match 1/4" (6 mm) or 3/4" (19 mm) Door Clearances
- Provides Even Sightline With Our Door Rails
- Vinyl Provided to Use With 3/4" (19 mm) Glass; Vinyl for 5/8" (16 mm) Glass Ordered Separately
- **RED-E to Ship Models From CRL Inventory**



**RED-E to Ship From Stock**



### ORDERING INFORMATION:

- Sidelite Rails on this page come with vinyl to glaze 3/4" (19 mm) glass. If using 5/8" (16 mm) glass, GG38 Series Vinyl must be ordered separately.
- All models are available in 120" (3.05 m) lengths. Selected finishes are also offered in 240" (6.10 m) lengths.
- Custom lengths and finishes are also available.
- SRE4T Series End Caps (for 3/4" Glass) and Cat. No. UCSB4 Setting Blocks must be ordered separately.



Top Load E.P.D.M. Glazing Gasket



Reversible Saddle Positioned for 1/4" (6 mm) Clearance



Reversible Saddle Positioned for 3/4" (19 mm) Clearance

### 4" TAPERED SIDELITE RAILS FOR 3/4" (19 MM) GLASS

CAT. NO.	FINISH	LENGTH
SR4TSA34SL	Satin Anodized	120" (3.05 m)
SR4TDU34SL	Black Bronze Anodized	120" (3.05 m)
SR4TBL34SL	Black Powder Coat	120" (3.05 m)
SR4TBS34SL	*Brushed Stainless	120" (3.05 m)
SR4TPS34SL	*Polished Stainless	120" (3.05 m)
SR4TPB34SL	*Polished Brass	120" (3.05 m)

Minimum order: 1 each. All Sidelite Rails can be combined for quantity pricing. Must ship common carrier. \*Clad finish.  
NOTE: Rails include vinyl for 3/4" (19 mm) glass. Using 5/8" (16 mm) glass requires that vinyl be ordered separately.

### CUSTOM LENGTH 4" TAPERED SIDELITE RAILS FOR 3/4" (19 MM) GLASS

CAT. NO.	FINISH	LENGTH
SR4TSA34CL	Satin Anodized	Custom up to 240" (6.10 m)
SR4TDU34CL	Black Bronze Anodized	Custom up to 240" (6.10 m)
SR4TBL34CL	Black Powder Coat	Custom up to 240" (6.10 m)
SR4TBS34CL	*Brushed Stainless	Custom up to 240" (6.10 m)
SR4TPS34CL	*Polished Stainless	Custom up to 240" (6.10 m)
SR4TPB34CL	*Polished Brass	Custom up to 240" (6.10 m)
SR4TORB34CL	*Oil Rubbed Bronze	Custom up to 240" (6.10 m)

Minimum order: 1 each. Rails over 108" (2.74 m) must ship common carrier. \*Clad finish.  
NOTE: Rails include vinyl for 3/4" (19 mm) glass. Using 5/8" (16 mm) glass requires that vinyl be ordered separately.

### 4" TAPERED SIDELITE RAILS FOR 3/4" (19 MM) GLASS

CAT. NO.	FINISH	LENGTH
SR4TSA34240	Satin Anodized	240" (6.10 m)
SR4TDU34240	Black Bronze Anodized	240" (6.10 m)

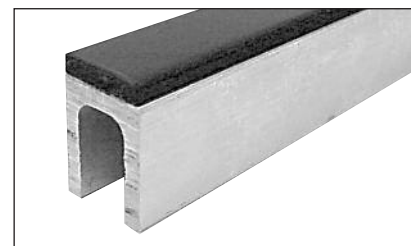
Minimum order: 1 each. All Sidelite Rails can be combined for quantity pricing. Must ship common carrier.  
NOTE: Rails include vinyl for 3/4" (19 mm) glass. Using 5/8" (16 mm) glass requires that vinyl be ordered separately.

### 4" ALUMINUM AND NEOPRENE SETTING BLOCK

Designed to be placed in bottom Sidelite Rail when used in 'lift and drop' installations. Minimum order is one each.

Length 4" (102 mm)  
Width 5/8" (16 mm)  
Height 7/8" (22 mm)

**CAT. NO. UCSB4**



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## CRL 4" Square Shape Sidelite Rails With Saddle

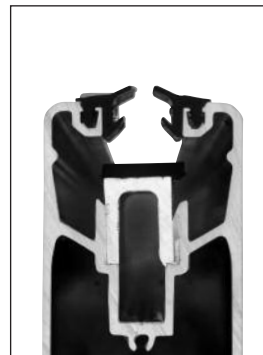
For 5/8" (16 mm) or 3/4" (19 mm) Glass

- Extruded Saddle is Reversible to Match 1/4" (6 mm) or 3/4" (19 mm) Door Clearances
- Provides Even Sightline With Our Door Rails
- Vinyl Provided to Use With 3/4" (19 mm) Glass; Vinyl for 5/8" (16 mm) Glass Ordered Separately
- **RED-E to Ship Models From CRL Inventory**



### ORDERING INFORMATION:

- Sidelite Rails on this page come with vinyl to glaze 3/4" (19 mm) glass. If using 5/8" (16 mm) glass, GG38 Series Vinyl must be ordered separately.
- All models are available in 120" (3.05 m) lengths. Selected finishes are also offered in 240" (6.10 m) lengths.
- Custom lengths and finishes are available.
- SREC4S Series End Caps (For 3/4" Glass) and Cat. No. UCSB4 Setting Blocks must be ordered separately.



Top Load E.P.D.M. Glazing Gasket



Reversible Saddle Positioned for 1/4" (6 mm) Clearance



Reversible Saddle Positioned for 3/4" (19 mm) Clearance

**RED-E to Ship From Stock**



### 4" SQUARE SIDELITE RAILS FOR 3/4" GLASS

CAT. NO.	FINISH	LENGTH
SR4SSA34SL	Satin Anodized	120" (3.05 m)
SR4SDU34SL	Black Bronze Anodized	120" (3.05 m)
SR4SBL34SL	Black Powder Coat	120" (3.05 m)
SR4SBS34SL	*Brushed Stainless	120" (3.05 m)
SR4SPS34SL	*Polished Stainless	120" (3.05 m)
SR4SPB34SL	*Polished Brass	120" (3.05 m)

Minimum order: 1 each. All Sidelite Rails can be combined for quantity pricing. Must ship common carrier. \*Clad finish. NOTE: Rails include vinyl for 3/4" (19 mm) glass. Using 5/8" (16 mm) glass requires that vinyl be ordered separately.

### CUSTOM LENGTH 4" SQUARE SIDELITE RAILS FOR 3/4" GLASS

CAT. NO.	FINISH	LENGTH
SR4SSA34CL	Satin Anodized	Custom up to 240" (6.10 m)
SR4SDU34CL	Black Bronze Anodized	Custom up to 240" (6.10 m)
SR4SBL34CL	Black Powder Coat	Custom up to 240" (6.10 m)
SR4SBS34CL	*Brushed Stainless	Custom up to 240" (6.10 m)
SR4SPS34CL	*Polished Stainless	Custom up to 240" (6.10 m)
SR4SPB34CL	*Polished Brass	Custom up to 240" (6.10 m)
SR4SORB34CL	*Oil Rubbed Bronze	Custom up to 240" (6.10 m)

Minimum order: 1 each. Rails over 108" (2.74 m) must ship common carrier. \*Clad finish. NOTE: Rails include vinyl for 3/4" (19 mm) glass. Using 5/8" (16 mm) glass requires that vinyl be ordered separately.

### 4" SQUARE SIDELITE RAILS FOR 3/4" GLASS

CAT. NO.	FINISH	LENGTH
SR4SSA34240	Satin Anodized	240" (6.10 m)
SR4SDU34240	Black Bronze Anodized	240" (6.10 m)

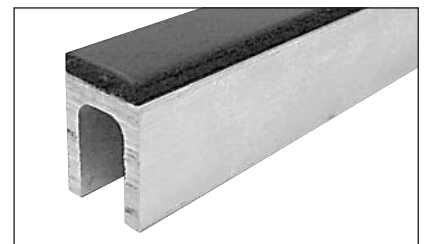
Minimum order: 1 each. All Sidelite Rails can be combined for quantity pricing. Must ship common carrier. NOTE: Rails include vinyl for 3/4" (19 mm) glass. Using 5/8" (16 mm) glass requires that vinyl be ordered separately.

### 4" ALUMINUM AND NEOPRENE SETTING BLOCK

Designed to be placed in bottom Sidelite Rail when used in 'lift and drop' installations. Minimum order is one each.

Length 4" (102 mm)  
Width 5/8" (16 mm)  
Height 7/8" (22 mm)

CAT. NO. UCSB4





# CRL GLASS ENTRANCE SYSTEM SIDELITE RAILS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 6" Square Shape Sidelite Rails With Saddle

For 5/8" (16 mm) or 3/4" (19 mm) Glass



### ORDERING INFORMATION:

- Sidelite Rails on this page come with vinyl to glaze 3/4" (19 mm) glass. If using 5/8" (16 mm) glass, GG38 Series Vinyl must be ordered separately.
- All models are available in 120" (3.05 m) lengths.
- Custom lengths and finishes are also available.
- SREC6S Series End Caps (for 3/4" Glass) and Cat. No. UCSB4 Setting Blocks must be ordered separately.



- Extruded Saddle is Reversible to Match 1/4" (6 mm) or 3/4" (19 mm) Door Clearances**
- Provides Even Sightline With Our Door Rails**
- Vinyl Provided to Use With 3/4" (19 mm) Glass; Vinyl for 5/8" (16 mm) Glass Ordered Separately**
- RED-E to Ship Models From CRL Inventory**

**RED-E to Ship From Stock** 



Top Load E.P.D.M. Glazing Gasket



Reversible Saddle Positioned for 1/4" (6 mm) Clearance



Reversible Saddle Positioned for 3/4" (19 mm) Clearance

### 6" SQUARE SIDELITE RAILS FOR 3/4" (19 MM) GLASS

CAT. NO.	FINISH	LENGTH
SR6SSA34SL	*Satin Anodized	120" (3.05 m)
SR6SDU34SL	*Black Bronze Anodized	120" (3.05 m)
SR6SBL34SL	*Black Powder Coat	120" (3.05 m)
SR6SBS34SL	*Brushed Stainless	120" (3.05 m)
SR6SPS34SL	*Polished Stainless	120" (3.05 m)
SR6SPB34SL	*Polished Brass	120" (3.05 m)

Minimum order: 1 each. All Sidelite Rails can be combined for quantity pricing. Must ship common carrier. \*Clad finish. NOTE: Rails include vinyl for 3/4" (19 mm) glass. Using 5/8" (16 mm) glass requires that vinyl be ordered separately.

### CUSTOM LENGTH 6" SQUARE SIDELITE RAILS FOR 3/4" (19 MM) GLASS

CAT. NO.	FINISH	LENGTH
SR6SSA34CL	*Satin Anodized	Custom up to 240" (6.10 m)
SR6SDU34CL	*Black Bronze Anodized	Custom up to 240" (6.10 m)
SR6SBL34CL	*Black Powder Coat	Custom up to 240" (6.10 m)
SR6SBS34CL	*Brushed Stainless	Custom up to 240" (6.10 m)
SR6SPS34CL	*Polished Stainless	Custom up to 240" (6.10 m)
SR6SPB34CL	*Polished Brass	Custom up to 240" (6.10 m)
SR6SORB34CL	*Oil Rubbed Bronze	Custom up to 240" (6.10 m)

Minimum order: 1 each. Rails over 108" (2.74 m) must ship common carrier. \*Clad finish. NOTE: Rails include vinyl for 3/4" (19 mm) glass. Using 5/8" (16 mm) glass requires that vinyl be ordered separately.

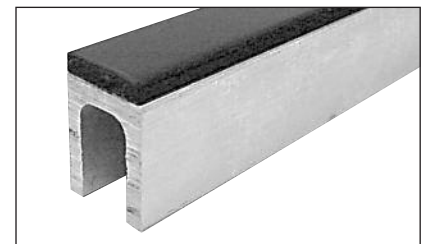


### 4" ALUMINUM AND NEOPRENE SETTING BLOCK

Designed to be placed in bottom Sidelite Rail when used in 'lift and drop' installations. Minimum order is one each.

Length 4" (102 mm)  
Width 5/8" (16 mm)  
Height 7/8" (22 mm)

CAT. NO. UCSB4



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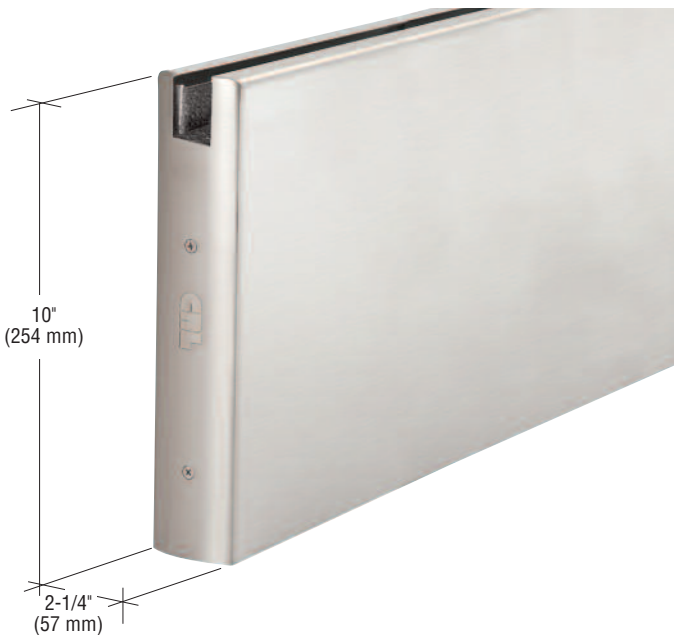
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## CRL 10" Square Shape Sidelite Rails With Saddle

For 5/8" (16 mm) or 3/4" (19 mm) Glass

- Extruded Saddle is Reversible to Match 1/4" (6 mm) or 3/4" (19 mm) Door Clearances
- Provides Even Sightline With Our Door Rails
- Vinyl Provided to Use With 3/4" (19 mm) Glass; Vinyl for 5/8" (16 mm) Glass Ordered Separately
- **RED-E to Ship Models From CRL Inventory**



### ORDERING INFORMATION:

- Sidelite Rails on this page come with vinyl to glaze 3/4" (19 mm) glass. If using 5/8" (16 mm) glass, GG38 Series Vinyl must be ordered separately.
- All models are available in 120" (3.05 m) lengths. Selected finishes are also offered in 240" (6.10 m) lengths.
- Custom lengths and finishes are available.
- SREC10S Series End Caps (For 3/4" Glass) and Cat. No. UCSB4 Setting Blocks must be ordered separately.

**RED-E to Ship From Stock**



Top Load E.P.D.M. Glazing Gasket



Reversible Saddle Positioned for 1/4" (6 mm) Clearance



Reversible Saddle Positioned for 3/4" (19 mm) Clearance

### 10" SQUARE SIDELITE RAILS FOR 3/4" GLASS

CAT. NO.	FINISH	LENGTH
SR10SSA34SL	*Satin Anodized	120" (3.05 m)
SR10SDU34SL	*Black Bronze Anodized	120" (3.05 m)
SR10SBL34SL	*Black Powder Coat	120" (3.05 m)
SR10SBS34SL	*Brushed Stainless	120" (3.05 m)
SR10SPS34SL	*Polished Stainless	120" (3.05 m)
SR10SPB34SL	*Polished Brass	120" (3.05 m)

Minimum order: 1 each. All Sidelite Rails can be combined for quantity pricing. Must ship common carrier. \*Clad finish. NOTE: Rails include vinyl for 3/4" (19 mm) glass. Using 5/8" (16 mm) glass requires that vinyl be ordered separately.

### CUSTOM LENGTH 10" SQUARE SIDELITE RAILS FOR 3/4" GLASS

CAT. NO.	FINISH	LENGTH
SR10SSA34CL	*Satin Anodized	Custom up to 240" (6.10 m)
SR10SDU34CL	*Black Bronze Anodized	Custom up to 240" (6.10 m)
SR10SBL34CL	*Black Powder Coat	Custom up to 240" (6.10 m)
SR10SBS34CL	*Brushed Stainless	Custom up to 240" (6.10 m)
SR10SPS34CL	*Polished Stainless	Custom up to 240" (6.10 m)
SR10SPB34CL	*Polished Brass	Custom up to 240" (6.10 m)
SR10SORB34CL	*Oil Rubbed Bronze	Custom up to 240" (6.10 m)

Minimum order: 1 each. Rails over 108" (2.74 m) must ship common carrier. \*Clad finish. NOTE: Rails include vinyl for 3/4" (19 mm) glass. Using 5/8" (16 mm) glass requires that vinyl be ordered separately.



### 4" ALUMINUM AND NEOPRENE SETTING BLOCK

Designed to be placed in bottom Sidelite Rail when used in 'lift and drop' installations. Minimum order is one each.

Length 4" (102 mm)  
Width 5/8" (16 mm)  
Height 7/8" (22 mm)

CAT. NO. UCSB4





# CRL GLASS ENTRANCE SYSTEM CHANNELS

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## CRL Shallow U-Channel With Top Load Roll-in Glazing Gasket

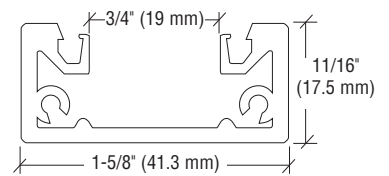
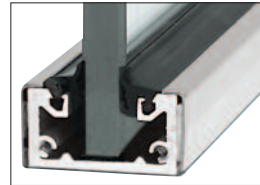
- Uses Top Loading Roll-In Glazing Gasket for 3/8" and 1/2" (10 and 12 mm) Glass
- Ideal for Recessed 'All-Glass' Installations
- **RED-E to Ship** Models From CRL Inventory
- Nine Standard Architectural Finishes
- Custom Finishes and Powder Painting Available
- Custom Lengths Available



CRL Shallow U-Channel can be used for a variety of installations, such as for a sash channel above a header, on walls or floors where either drywall or finished flooring can conceal the channel creating a truly 'All-Glass' look. Stock lengths are sold in 120" (3.05 m) or 240" (6.10 m) lengths.

**NOTE:** For installations using 1/2" (12 mm) glass, the Roll-In Glazing Gasket is included in the package. If using 3/8" (10 mm) glass the Roll-In Glazing Gasket must be ordered separately.

**RED-E to Ship from Stock**



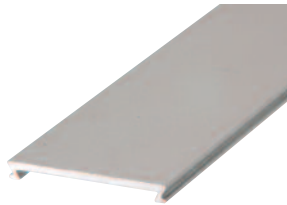
### SHALLOW U-CHANNEL

CAT. NO.	SIZE	FINISH	LENGTH
<b>SCSA3812SL</b>	1-5/8" x 11/16" (41.3 x 17.5 mm)	Satin Anodized	120" (3.05 m)
<b>SCDU3812SL</b>	1-5/8" x 11/16" (41.3 x 17.5 mm)	Black Bronze Anodized	120" (3.05 m)
<b>SCBL3812SL</b>	1-5/8" x 11/16" (41.3 x 17.5 mm)	Black Powder Coat	120" (3.05 m)
<b>SCBA3812SL</b>	1-5/8" x 11/16" (41.3 x 17.5 mm)	Brite Anodized	120" (3.05 m)
<b>SCBBA3812SL</b>	1-5/8" x 11/16" (41.3 x 17.5 mm)	Brite Brushed Anodized	120" (3.05 m)
<b>SCBSA3812SL</b>	1-5/8" x 11/16" (41.3 x 17.5 mm)	Brushed Stainless Anodized	120" (3.05 m)
<b>SCBS3812SL</b>	1-3/4" x 13/16" (44.4 x 20.6 mm)	*Brushed Stainless	120" (3.05 m)
<b>SCPS3812SL</b>	1-3/4" x 13/16" (44.4 x 20.6 mm)	*Polished Stainless	120" (3.05 m)
<b>SCPB3812SL</b>	1-3/4" x 13/16" (44.4 x 20.6 mm)	*Polished Brass	120" (3.05 m)
<b>SCSA3812240</b>	1-5/8" x 11/16" (41.3 x 17.5 mm)	Satin Anodized	240" (6.10 m)
<b>SCDU3812240</b>	1-5/8" x 11/16" (41.3 x 17.5 mm)	Black Bronze Anodized	240" (6.10 m)

Minimum order: 1 stock length. Finishes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than five combined lengths. Stock lengths longer than 108" (2.74 m) must ship common carrier. \*Clad finish.

### SNAP-IN FILLER STRIP

CAT. NO.	FINISH	LENGTH
<b>NHF12SA</b>	Satin Anodized	120" (3.05 m)
<b>NHF12DU</b>	Black Bronze Anodized	120" (3.05 m)
<b>NHF12BL</b>	Black Powder Coat	120" (3.05 m)
<b>NHF12BA</b>	Brite Anodized	120" (3.05 m)
<b>NHF12BBA</b>	Brite Brushed Anodized	120" (3.05 m)
<b>NHF12BSA</b>	Brushed Stainless Anodized	120" (3.05 m)
<b>NHF12BS</b>	*Brushed Stainless	120" (3.05 m)
<b>NHF12PS</b>	*Polished Stainless	120" (3.05 m)
<b>NHF12PB</b>	*Polished Brass	120" (3.05 m)



Minimum order: 1 stock length. Finishes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than five combined lengths. Stock lengths longer than 108" (2.74 m) must ship common carrier. \*Clad finish.



Shallow U-Channel with Snap-In Filler Strip



For 3/8" (10 mm) Glass



For 1/2" (12 mm) Glass

### EPDM ROLL-IN GLAZING GASKET

CAT. NO.	GLASS THICKNESS	ROLL LENGTH
<b>GG38100</b>	3/8" (10 mm)	100' (30.5 m)
<b>GG38500</b>	3/8" (10 mm)	500' (152.4 m)
<b>GG12100</b>	1/2" (12 mm)	100' (30.5 m)
<b>GG12500</b>	1/2" (12 mm)	500' (152.4 m)

Minimum order: 1 roll. For installations using 1/2" (12 mm) glass, the Roll-In Glazing Gasket is included in the package. For installations using 3/8" (10 mm) glass, the Roll-In Glazing Gasket must be ordered separately.

### END CAPS FOR SHALLOW U-CHANNEL

CAT. NO.	FINISH
<b>SCECSA</b>	Satin Anodized
<b>SCECDU</b>	Black Bronze Anodized
<b>SCECBL</b>	Black Powder Coat
<b>SCECBA</b>	Brite Anodized
<b>SCECBBA</b>	Brite Brushed Anodized
<b>SCECBSA</b>	Brushed Stainless Anodized
<b>SCECBS</b>	Brushed Stainless
<b>SCECPS</b>	Polished Stainless
<b>SCECPB</b>	Polished Brass



Shallow End Cap with Screws

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



### NEOPRENE SETTING BLOCKS

CAT. NO.	SIZE	QTY/BOX
<b>SB579</b>	1/8" x 1/2" x 4" (3.2 x 12.7 x 101.6 mm)	100

Minimum order: 100 each. For additional sizes go to [crlaurence.com](http://crlaurence.com).



C.R. LAURENCE COMPANY

2452 |

[crlaurence.ca](http://crlaurence.ca)

[crlaurence.com.au](http://crlaurence.com.au)

[crlaurence.co.uk](http://crlaurence.co.uk)

[crlaurence.de](http://crlaurence.de)

[crlaurence.com](http://crlaurence.com)

## CRL Regular U-Channel With Top Load Roll-In Glazing Gasket

- Uses Top Loading Roll-In Glazing Gasket for 3/8" and 1/2" (10 and 12 mm) Glass
- Ideal for Ceiling or Floor Installations
- **RED-E to Ship Models From CRL Inventory**
- Nine Standard Architectural Finishes
- Custom Finishes and Powder Painting Available
- Custom Lengths Available



CRL Regular U-Channel With Top Load Roll-In Glazing Gasket was designed to be used with our Patch Hardware, or our Header for Overhead Door Closers with Fixed Sidelites and Door Rail System. The design allows it to be surface or recessed mounted, with the Top Load Roll-In Glazing Gasket securing the glass.

**NOTE:** For installations using 1/2" (12 mm) glass, the Roll-In Glazing Gasket is included in the package. If using 3/8" (10 mm) glass the Roll-In Glazing Gasket must be ordered separately.

**RED-E to Ship From Stock**



### REGULAR U-CHANNEL

CAT. NO.	SIZE	FINISH	LENGTH
<b>UCSA3812SL</b>	1-5/8" x 1-5/8" (41.3 x 41.3 mm)	Satin Anodized	120" (3.05 m)
<b>UCDU3812SL</b>	1-5/8" x 1-5/8" (41.3 x 41.3 mm)	Black Bronze Anodized	120" (3.05 m)
<b>UCBL3812SL</b>	1-5/8" x 1-5/8" (41.3 x 41.3 mm)	Black Powder Coat	120" (3.05 m)
<b>UCBA3812SL</b>	1-5/8" x 1-5/8" (41.3 x 41.3 mm)	Brite Anodized	120" (3.05 m)
<b>UCBBA3812SL</b>	1-5/8" x 1-5/8" (41.3 x 41.3 mm)	Brite Brushed Anodized	120" (3.05 m)
<b>UCBSA3812SL</b>	1-5/8" x 1-5/8" (41.3 x 41.3 mm)	Brushed Stainless Anodized	120" (3.05 m)
<b>UCBS3812SL</b>	1-3/4" x 1-11/16" (44.4 x 42.8 mm)	*Brushed Stainless	120" (3.05 m)
<b>UCPS3812SL</b>	1-3/4" x 1-11/16" (44.4 x 42.8 mm)	*Polished Stainless	120" (3.05 m)
<b>UCPB3812SL</b>	1-3/4" x 1-11/16" (44.4 x 42.8 mm)	*Polished Brass	120" (3.05 m)
<b>UCSA3812240</b>	1-5/8" x 1-5/8" (41.3 x 41.3 mm)	Satin Anodized	240" (6.10 m)
<b>UCDU3812240</b>	1-5/8" x 1-5/8" (41.3 x 41.3 mm)	Black Bronze Anodized	240" (6.10 m)

Minimum order: 1 stock length. Finishes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than five combined lengths. Stock lengths longer than 108" (2.74 m) must ship common carrier. \*Clad finish.

### SNAP-IN FILLER STRIP

CAT. NO.	FINISH	LENGTH
<b>NHF12SA</b>	Satin Anodized	120" (3.05 m)
<b>NHF12DU</b>	Black Bronze Anodized	120" (3.05 m)
<b>NHF12BL</b>	Black Powder Coat	120" (3.05 m)
<b>NHF12BA</b>	Brite Anodized	120" (3.05 m)
<b>NHF12BBA</b>	Brite Brushed Anodized	120" (3.05 m)
<b>NHF12BSA</b>	Brushed Stainless Anodized	120" (3.05 m)
<b>NHF12BS</b>	*Brushed Stainless	120" (3.05 m)
<b>NHF12PS</b>	*Polished Stainless	120" (3.05 m)
<b>NHF12PB</b>	*Polished Brass	120" (3.05 m)



Minimum order: 1 stock length. Finishes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than five combined lengths. Stock lengths longer than 108" (2.74 m) must ship common carrier. \*Clad finish.

### EPDM ROLL-IN GLAZING GASKET

CAT. NO.	GLASS THICKNESS	ROLL LENGTH
<b>GG38100</b>	3/8" (10 mm)	100' (30.5 m)
<b>GG38500</b>	3/8" (10 mm)	500' (152.4 m)
<b>GG12100</b>	1/2" (12 mm)	100' (30.5 m)
<b>GG12500</b>	1/2" (12 mm)	500' (152.4 m)



For 3/8" (10 mm) Glass



For 1/2" (12 mm) Glass

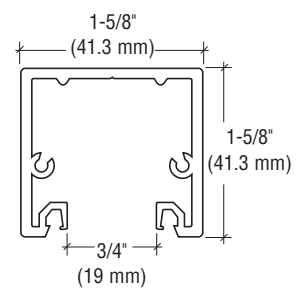
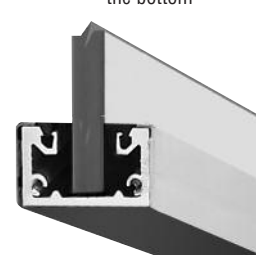
Minimum order: 1 roll. For installations using 1/2" (12 mm) glass, the Roll-In Glazing Gasket is included in the package. For installations using 3/8" (10 mm) glass, the Roll-In Glazing Gasket must be ordered separately.



Regular U-Channel used on both top and bottom



Regular U-Channel on top and Shallow U-Channel on the bottom



### END CAPS FOR REGULAR U-CHANNEL

CAT. NO.	FINISH
<b>UCECSA</b>	Satin Anodized
<b>UCECDB</b>	Black Bronze Anodized
<b>UCECBL</b>	Black Powder Coat
<b>UCECBA</b>	Brite Anodized
<b>UCECBBA</b>	Brite Brushed Anodized
<b>UCECBSA</b>	Brushed Stainless Anodized
<b>UCECBS</b>	Brushed Stainless
<b>UCECPS</b>	Polished Stainless
<b>UCECPB</b>	Polished Brass



Regular End Cap with Screws

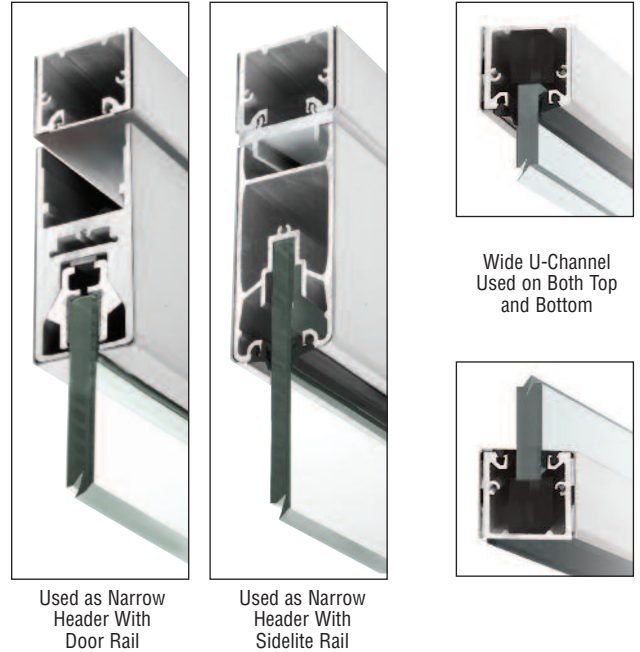
Minimum order: 1 each. Finishes can be combined for quantity pricing.



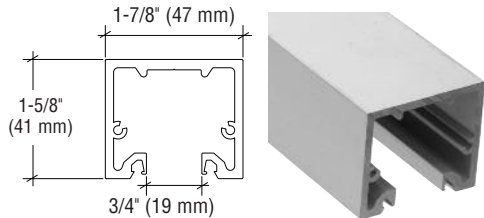
## CRL Combination Wide U-Channel and Narrow Header

- Channels for 3/8" or 1/2" (10 or 12 mm) and 5/8" or 3/4" (16 and 19 mm) Glass
- Matches the Width of Door and Sidelite Rails
- Accepts Roll-In Glazing Gasket, Top Pivot Block, and Snap-In Filler Strip
- **RED-E to Ship Models From CRL Inventory**
- Available in Stock Lengths, Fabricated Headers, or Header With Side Pockets for 'Lift and Drop' Panel Installation

This Aluminum Extrusion was developed with three uses in mind: (1) As a U-Channel that would be the same width as our Sidelite Rails and Door Rails; (2) As a Narrow Header that is the same width as our Sidelite Rails and Door Rails, and will accept a Top Free-Swinging Pivot to secure the top of the doors; (3) As an Even Sight Line System, accomplished by first securing the fabricated Narrow Header to the top of the opening, then securing the Sidelite Rail to the Narrow Header with the 1/4" (6.3 mm) Header Saddle. All drilling, tapping, and fabrication can be done at your request during manufacturing to save time while installing.



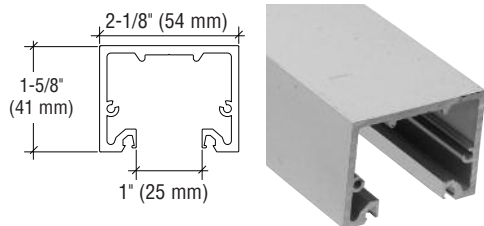
### CRL Wide U-Channel for 3/8" or 1/2" (10 or 12 mm) Glass



120" (3.05 M) LENGTH CAT. NO.	240" (6.10 M) LENGTH CAT. NO.	SIZE	FINISH
NH2SASL	NH2SA240	1-7/8" x 1-5/8" (47 x 41 mm)	Satin Anodized
NH2DUSL	NH2DU240	1-7/8" x 1-5/8" (47 x 41 mm)	Black Bronze Anodized
NH2BLSL	NH2BL240	1-7/8" x 1-5/8" (47 x 41 mm)	Black Powder Coat
NH2BASL	NH2BA240	1-7/8" x 1-5/8" (47 x 41 mm)	Brite Anodized
NH2BBASL	NH2BBA240	1-7/8" x 1-5/8" (47 x 41 mm)	Brite Brushed Anodized
NH2BSASL	NH2BSA240	1-7/8" x 1-5/8" (47 x 41 mm)	Brushed Stainless Anodized
NH2BSSL	-----	2" x 1-11/16" (51 x 43 mm)	*Brushed Stainless
NH2PSSL	-----	2" x 1-11/16" (51 x 43 mm)	*Polished Stainless
NH2PBSL	-----	2" x 1-11/16" (51 x 43 mm)	*Polished Brass

Minimum order: 1 stock length. Finishes can be combined for quantity pricing. For Installations using 1/2" (12 mm) glass, the Roll-In Glazing Gasket is included in the package. For Installations using 3/8" (10 mm) glass, the Roll-In Glazing must be ordered separately. A Packing Charge will be added to orders fewer than five combined lengths. Stock lengths longer than 108" (2.74 m) must ship common carrier. \* Clad Finish

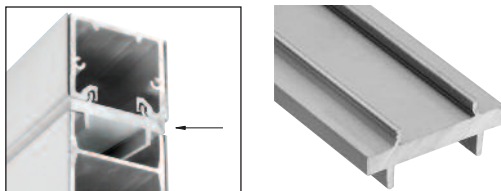
### CRL Wide U-Channel for 5/8" or 3/4" (16 or 19 mm) Glass



120" (3.05 M) LENGTH CAT. NO.	240" (6.10 M) LENGTH CAT. NO.	SIZE	FINISH
NH3SASL	NH3SA240	2-1/8" x 1-5/8" (54 x 41 mm)	Satin Anodized
NH3DUSL	NH3DU240	2-1/8" x 1-5/8" (54 x 41 mm)	Black Bronze Anodized
NH3BLSL	NH3BL240	2-1/8" x 1-5/8" (54 x 41 mm)	Black Powder Coat
NH3BSSL	-----	2-1/4" x 1-11/16" (57 x 43 mm)	*Brushed Stainless
NH3PSSL	-----	2-1/4" x 1-11/16" (57 x 43 mm)	*Polished Stainless
NH3PBSL	-----	2-1/4" x 1-11/16" (57 x 43 mm)	*Polished Brass

Minimum order: 1 stock length. Finishes can be combined for quantity pricing. For Installations using 3/4" (19 mm) glass, the Roll-In Glazing Gasket is included in the package. For Installations using 5/8" (16 mm) glass, the Roll-In Glazing must be ordered separately. A Packing Charge will be added to orders fewer than five combined lengths. Stock lengths longer than 108" (2.74 m) must ship common carrier. \* Clad Finish

### CRL Header Mount Saddle for Sidelite Rails



- For Attaching CRL Sidelite Rails to Narrow Headers and Header Pocket Snap-Ins
- Available in Two Sizes and Two Architectural Finishes

**new**

FOR NH2 WIDE U-CHANNEL*	FOR NH3 WIDE U-CHANNEL	LENGTH	FINISH
HMS2SA	HMS3SA	120" (3.05 m)	Satin Anodized
HMS2DU	HMS3DU	120" (3.05 m)	Black Bronze Anodized

Minimum order: 1 each. Finishes can be combined for quantity pricing. \*Also fits PS1 Series Pocket Snap-Ins (see page Z459).

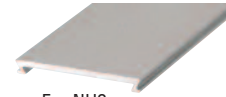
# CRL GLASS ENTRANCE SYSTEM CHANNELS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

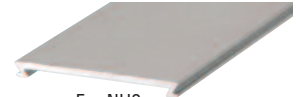
## CRL Snap-In Filler Strips

- For NH2 3/8" or 1/2" (10 or 12 mm) and NH3 5/8" or 3/4" (16 or 19 mm) Wide U-Channels
- Easily Snaps Into Glazing Pocket
- **RED-E to Ship From CRL Inventory**
- Available in 120" (3.05 m) Stock Lengths

These Snap-In Filler Strips are 120" (3.05 m) long, and are available in six architectural finishes to match our NH2 and NH3 Wide U-Channels. They are ideal for use as fillers where glass is not installed in the glazing pocket.



For NH2 Wide U-Channel



For NH3 Wide U-Channel

FOR NH2 WIDE U-CHANNEL CAT. NO.	FOR NH3 WIDE U-CHANNEL CAT. NO.	LENGTH	FINISH
<b>NHF12SA</b>	<b>NHF34SA</b>	120" (3.05 m)	Satin Anodized
<b>NHF12DU</b>	<b>NHF34DU</b>	120" (3.05 m)	Black Bronze Anodized
<b>NHF12BL</b>	<b>NHF34BL</b>	120" (3.05 m)	Black Powder Coat
<b>NHF12BA</b>	---	120" (3.05 m)	Brite Anodized
<b>NHF12BBA</b>	---	120" (3.05 m)	Brite Brushed Anodized
<b>NHF12BSA</b>	---	120" (3.05 m)	Brushed Stainless Anodized
<b>NHF12BS</b>	<b>NHF34BS</b>	120" (3.05 m)	*Brushed Stainless
<b>NHF12PS</b>	<b>NHF34PS</b>	120" (3.05 m)	*Polished Stainless
<b>NHF12PB</b>	<b>NHF34PB</b>	120" (3.05 m)	*Polished Brass

Minimum order: 1 stock length. Finishes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than five combined lengths. Stock lengths longer than 108" (2.74 m) must ship common carrier. \*Clad finish.

## CRL End Caps for NH2 and NH3 Wide U-Channels

- Matching Finishes Pre-Drilled and With Screws
- For 3/8" to 1/2" (10 to 12 mm) and 5/8" to 3/4" (16 to 19 mm) Wide U-Channels
- **RED-E to Ship From CRL Inventory**

These CRL End Caps are used with our NH2 and NH3 wide U-Channels for 3/8" to 3/4" (10 to 19 mm) thick glass. They are pre-drilled and available in all matching finishes, including screws.



NH2 End Cap With Screws



NH3 End Cap With Screws

FOR 3/8" (10 MM) OR 1/2" (12 MM) GLASS CAT. NO.	FOR 5/8" (16 MM) OR 3/4" (19 MM) GLASS CAT. NO.	FINISH
<b>NHECSA</b>	<b>NH3ECSA</b>	Satin Anodized
<b>NHECDU</b>	<b>NH3ECDU</b>	Black Bronze Anodized
<b>NHECBL</b>	<b>NH3ECBL</b>	Black Powder Coat
<b>NHECBA</b>	---	Brite Anodized
<b>NHECBBA</b>	---	Brite Brushed Anodized
<b>NHECBSA</b>	---	Brushed Stainless Anodized
<b>NHECBS</b>	<b>NH3ECBS</b>	*Brushed Stainless
<b>NHECPS</b>	<b>NH3ECPS</b>	*Polished Stainless
<b>NHECPB</b>	<b>NH3ECPB</b>	*Polished Brass

Minimum order: 1 each. \*Clad finish.

## CRL EPDM Roll-In Glazing Gasket for 3/8" to 3/4" (10 to 19 mm) Glass

- Dry Glaze Push-In Top Load Glazing Gasket
- Use in CRL Sidelite Rails and U-Channel
- **RED-E to Ship From CRL Inventory**
- Available in 100' (30.5 m) and 500' (152.4 m) Rolls

CRL Roll-In Glazing Gasket is used to dry glaze 3/8" to 3/4" (10 to 19 mm) glass in CRL Sidelite Rails and U-Channels. Black color material can be used with all finishes of rails and channels.



For 3/8" or 5/8" (10 or 16 mm) Glass (Shown in 500' [152.4 m] Roll)



For 1/2" or 3/4" (12 or 19 mm) Glass (Shown in 100' [30.5 m] Roll)

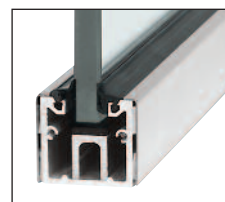
CAT. NO.	GLASS THICKNESS	ROLL LENGTH
<b>GG38100</b>	3/8" or 5/8" (10 or 16 mm)	100' (30.5 m)
<b>GG38500</b>	3/8" or 5/8" (10 or 16 mm)	500' (152.4 m)
<b>GG12100</b>	1/2" or 3/4" (12 or 19 mm)	100' (30.5 m)
<b>GG12500</b>	1/2" or 3/4" (12 or 19 mm)	500' (152.4 m)

Minimum order: 1 roll. For installations using 1/2" or 3/4" (12 or 19 mm) glass, the Roll-In Glazing Gasket is included in the wide U-Channel package. For installations using 3/8" or 5/8" (10 or 16 mm) glass, the Roll-In Glazing Gasket must be ordered separately.

## CRL 4" (102 mm) Aluminum and Neoprene Setting Block

- Protects Glass Edge While Providing Rigid Glass Support
- Provides Proper Height for Recommended Glass Coverage
- **RED-E to Ship From CRL Inventory**

CRL 4" (102 mm) Aluminum and Neoprene Setting Blocks are designed for the 'lift and drop' method of glazing, and provide 9/16" (14.3 mm) glass coverage. Minimum order is one each.



Setting Block shown installed

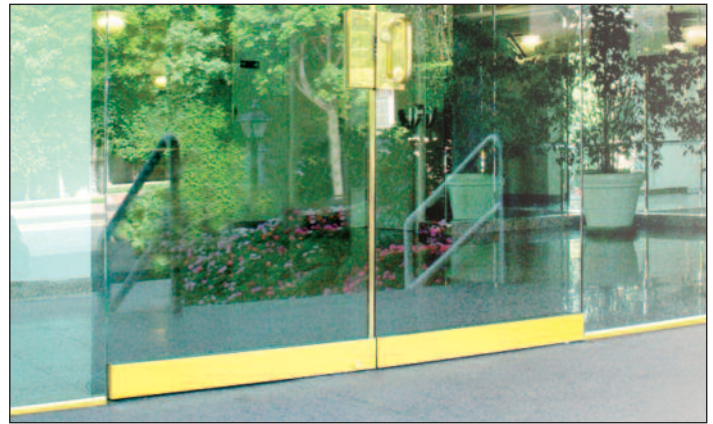


CAT. NO. UCSB4



## CRL Wet/Dry Glaze U-Channels

- Three Standard Heights 1", 1-1/2", and 2" (25.4, 38.1, and 50.8 mm)
- Six Standard Architectural Finishes
- Brushed Stainless, Polished Stainless, and Polished Brass Finishes are Available on Special Order
- **RED-E to Ship From CRL Inventory**
- Available in 120" and 240" (3.05 and 6.10 m) Stock Lengths



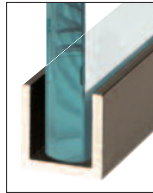
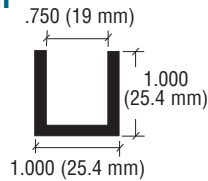
CRL Shallow and Deep Wet/Dry Glaze U-Channels provide the smallest profile U-Channel for glazing 3/8" or 1/2" (10 or 12 mm) glass. They are available in six standard finishes in both 120" and 240" (3.05 and 6.10 m) stock lengths.

Wet/Dry Glaze U-Channels provide the most economical way to glaze heavy glass. Using a Deep U-Channel on the top and the Shallow U-Channel on the bottom allows for the 'lift and drop' method of glazing. The glass can be secured with silicone sealant or our Top Load Roll-In Glazing Gasket (shown on next page).

For Cladded U-Channels, custom finishes, or custom lengths, 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](http://crlaurence.com). From the home page click Contact Us, and then click on Technical Sales for Commercial Products.

## CRL Shallow 1" Wet/Dry Glaze U-Channel

- Shallow 1" (25.4 mm) Height
- Typically Used at the Bottom of Glass Panels
- Use With Silicone (Wet) or Glazing Gasket (Dry)
- Matching End Caps Sold Separately (See Page Z457)



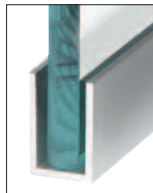
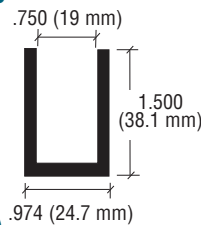
### 1" (25.4 MM) SHALLOW WET/DRY GLAZE U-CHANNEL

120" (3.05 M) LENGTH CAT. NO.	240" (6.10 M) LENGTH CAT. NO.	FINISH
WU3SASL	WU3SA240	Satin Anodized
WU3DUSL	WU3DU240	Black Bronze Anodized
WU3BLSL	WU3BL240	Black Powder Coat
WU3BASL	WU3BA240	Brite Anodized
WU3BBASL	WU3BBA240	Brite Brushed Anodized
WU3BSASL	WU3BSA240	Brushed Stainless Anodized

Minimum order: 1 each. Finishes can be combined for quantity pricing. A Packing Charge will be added to orders fewer than five combined lengths. Stock lengths longer than 108" (2.74 m) must ship common carrier.

## CRL Deep 1-1/2" Wet/Dry Glaze U-Channel

- Deep 1-1/2" (38.1 mm) Height
- Typically Used at the Bottom of Glass Panels
- Use With Silicone (Wet) or Glazing Gasket (Dry)
- Matching End Caps Sold Separately (See Page Z457)



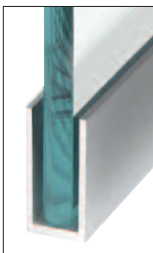
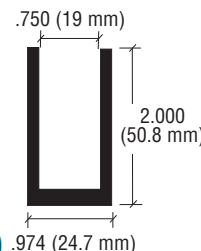
### 1-1/2" (38.1 MM) DEEP WET/DRY GLAZE U-CHANNEL

120" (3.05 M) LENGTH CAT. NO.	240" (6.10 M) LENGTH CAT. NO.	FINISH
WU1SASL	WU1SA240	Satin Anodized
WU1DUSL	WU1DU240	Black Bronze Anodized
WU1BLSL	WU1BL240	Black Powder Coat
WU1BASL	WU1BA240	Brite Anodized
WU1BBASL	WU1BBA240	Brite Brushed Anodized
WU1BSASL	WU1BSA240	Brushed Stainless Anodized

Minimum order: 1 each. Finishes can be combined for quantity pricing. A Packing Charge will be added to orders fewer than five combined lengths. Stock lengths longer than 108" (2.74 m) must ship common carrier.

## CRL Deep 2" Wet/Dry Glaze U-Channel

- Deep 2" (50.8 mm) Height
- Typically Used at the Bottom of Glass Panels
- Use With Silicone (Wet) or Glazing Gasket (Dry)
- Matching End Caps Sold Separately (See Page Z457)



### 2" (50.8 MM) DEEP WET/DRY GLAZE U-CHANNEL

120" (3.05 M) LENGTH CAT. NO.	240" (6.10 M) LENGTH CAT. NO.	FINISH
WU2SASL	WU2SA240	Satin Anodized
WU2DUSL	WU2DU240	Black Bronze Anodized
WU2BLSL	WU2BL240	Black Powder Coat
WU2BASL	WU2BA240	Brite Anodized
WU2BBASL	WU2BBA240	Brite Brushed Anodized
WU2BSASL	WU2BSA240	Brushed Stainless Anodized

Minimum order: 1 each. Finishes can be combined for quantity pricing. A Packing Charge will be added to orders fewer than five combined lengths. Stock lengths longer than 108" (2.74 m) must ship common carrier.

## CRL Top Load Roll-In Glazing Gasket

- Roll-In Glazing Gasket for 3/8" (10 mm) and 1/2" (12 mm) Glass
- Eliminates the Need for Silicone

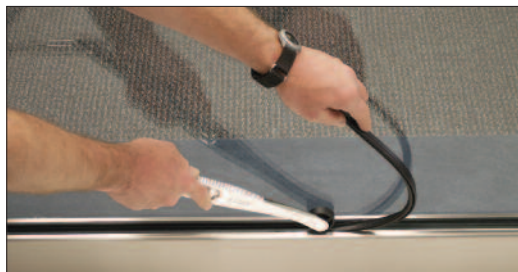
CRL Roll-In Glazing Gasket provides an easy way of glazing glass. It eliminates using messy silicone sealant and the clean up that follows. Black color material can be used with all finishes of our Wet/Dry U-Channel.



Gasket for 3/8" (10 mm) Glazing



Gasket for 1/2" (12 mm) Glazing



**Installation Tip:**  
We have found that rolling in one side first while wedging the opposite side of the glass with the CRL216 Tapered End Windshield Stick helps prevent the Glazing Gasket from slipping and aids in application of the Gasket on the opposite side of the glass.

### TOP-LOAD ROLL-IN GLAZING GASKET

CAT. NO.	GLASS THICKNESS	ROLL LENGTH
<b>RG38100</b>	3/8" (10 mm)	100 ft. (30.5 m)
<b>RG38500</b>	3/8" (10 mm)	500 ft. (152.4 m)
<b>RG12100</b>	1/2" (12 mm)	100 ft. (30.5 m)
<b>RG12500</b>	1/2" (12 mm)	500 ft. (152.4 m)

Minimum order: 1 roll.

## CRL End Cap for WU3 Shallow 1" Wet/Dry Glaze U-Channel

- Fits WU3 Shallow 1" (25.4 mm) Wet/Dry Glaze U-Channels
- Easy to Install With Silicone Sealant
- Finishes Off Exposed Ends
- Six Standard Architectural Finishes, With Custom Finishes Available



- **RED-E to Ship From CRL Inventory**

CAT. NO.	FINISH	FITS
<b>WU3ECSA</b>	Satin Anodized	WU3SASL, WU3SA240
<b>WU3ECDU</b>	Black Bronze Anodized	WU3DUSL, WU3DU240
<b>WU3ECBL</b>	Black Powder Coat	WU3BLSL, WU3BL240
<b>WU3ECBA</b>	Brite Anodized	WU3BASL, WU3BA240
<b>WU3ECBBA</b>	Brite Brushed Anodized	WU3BBASL, WU3BBA240
<b>WU3ECBSA</b>	Brushed Stainless Anodized	WU3BSASL, WU3BSA240

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

## CRL End Cap for WU1 Deep 1-1/2" Wet/Dry Glaze U-Channel

- Fits WU1 Deep 1-1/2" (38.1 mm) Wet/Dry Glaze U-Channels
- Easy to Install With Silicone Sealant
- Finishes Off Exposed Ends
- Six Standard Architectural Finishes, With Custom Finishes Available



- **RED-E to Ship From CRL Inventory**

CAT. NO.	FINISH	FITS
<b>WU1ECSA</b>	Satin Anodized	WU1SASL, WU1SA240
<b>WU1ECDU</b>	Black Bronze Anodized	WU1DUSL, WU1DU240
<b>WU1ECBL</b>	Black Powder Coat	WU1BLSL, WU1BL240
<b>WU1ECBA</b>	Brite Anodized	WU1BASL, WU1BA240
<b>WU1ECBBA</b>	Brite Brushed Anodized	WU1BBASL, WU1BBA240
<b>WU1ECBSA</b>	Brushed Stainless Anodized	WU1BSASL, WU1BSA240

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

## CRL End Cap for WU2 Deep 2" Wet/Dry Glaze U-Channel

- Fits WU2 Deep 2" (50.8 mm) Wet/Dry Glaze U-Channels
- Easy to Install With Silicone Sealant
- Finishes Off Exposed Ends
- Six Standard Architectural Finishes, With Custom Finishes Available



- **RED-E to Ship From CRL Inventory**

CAT. NO.	FINISH	FITS
<b>WU2ECSA</b>	Satin Anodized	WU2SASL, WU2SA240
<b>WU2ECDU</b>	Black Bronze Anodized	WU2DUSL, WU2DU240
<b>WU2ECBL</b>	Black Powder Coat	WU2BLSL, WU2BL240
<b>WU2ECBA</b>	Brite Anodized	WU2BASL, WU2BA240
<b>WU2ECBBA</b>	Brite Brushed Anodized	WU2BBASL, WU2BBA240
<b>WU2ECBSA</b>	Brushed Stainless Anodized	WU2BSASL, WU2BSA240

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



## CRL Stock Size Headers for Overhead Concealed Door Closers

- Includes Snap-In Cover Plates With All Door Closer Fabrication Completed
- Available in Six Architectural Finishes
- **RED-E** to Ship From CRL Inventory



- Standard 4", 4-1/2", and 6" Sizes
- Custom Sizes Available on Special Order

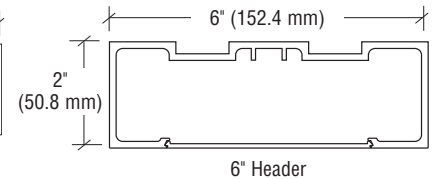
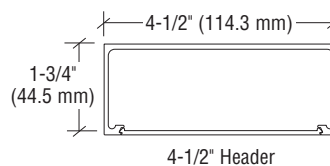
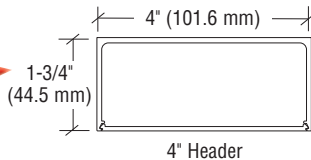
### 36" Single Door Headers



### 72" Double Door Headers



Both Single Door and Double Door Headers are fabricated to receive most standard U.S. overhead concealed door closers.



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).

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 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 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" 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

#### 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

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

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

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

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.



# CRL GLASS ENTRANCE SYSTEM HEADERS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

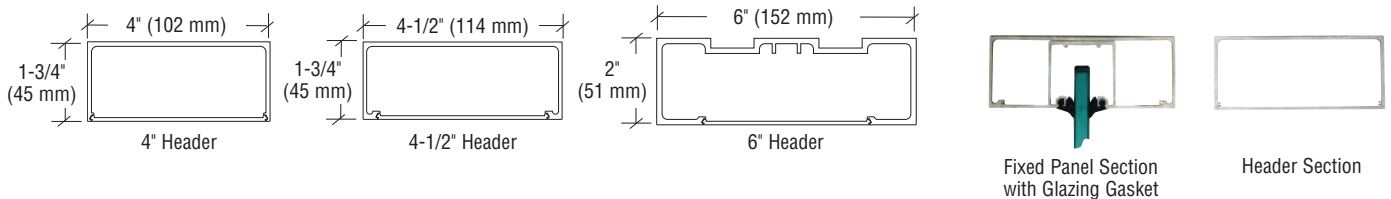
## CRL Custom Fabricated Headers

- 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



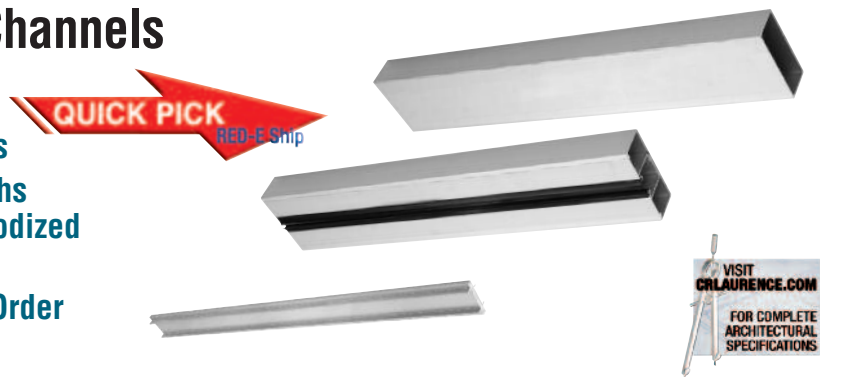
CRL will fabricate Custom Headers to accept a large variety of door hardware, such as: Fixed or Walking Beam Top Pivots, Door Closers, Manual or Electric Strikes, Concealed or Surface Mounted Locks, Offset Pivots, Overhead Arms, and many other types of accessories. Also, a Glazing Pocket to secure the top of any sidelite is 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. Choose from variety of stock or custom finishes.

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](http://crlaurence.com) home page. Click on contact us, and then click on Technical Sales for Commercial Products.



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

- Available in 1-3/4" x 4" and 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
- **RED-E to Ship From CRL Inventory**



CRL now carries stock length header components: Header Channel, Flat Snap-In and Glazing Pocket Snap-In, in both 1-3/4" x 4" and 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
HC4SA120	HCSA120	FS1SA120	PS1SA120	HMS2SA	120" (3.05 m)	Satin Anodized
HC4DU120	HCDU120	FS1DU120	PS1DU120	HMS2DU	120" (3.05 m)	Black Bronze Anodized
HC4SA240	HCSA240	FS1SA240	PS1SA240	-----	240" (6.10 m)	Satin Anodized
HC4DU240	HCDU240	FS1DU240	PS1DU240	-----	240" (6.10 m)	Black Bronze Anodized

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





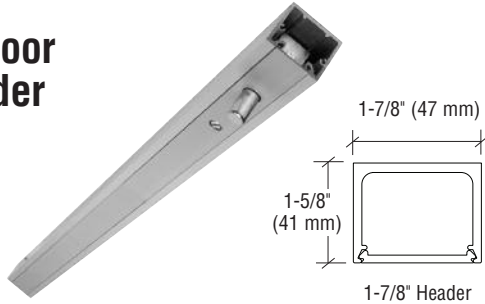
# CRL GLASS ENTRANCE SYSTEM HEADERS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Stock Size Narrow Headers

- Includes Snap-In Cover Plate and CRL9040WBP Walking Beam Pivot
- Available in Six Architectural Finishes
- **RED-E to Ship** From CRL Inventory

### 36" Single Door Narrow Header



**new**



- Standard Single and Double Door Sizes
- Custom Sizes Available on Special Order

### 72" Double Door Narrow Header



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	1-7/8" x 1-5/8" (47 x 41 mm)	Satin Anodized
NH236DU	1-7/8" x 1-5/8" (47 x 41 mm)	Black Bronze Anodized
NH236BL	1-7/8" x 1-5/8" (47 x 41 mm)	Black Powder Coat
NH236BS	2" x 1-11/16" (51 x 43 mm)	*Brushed Stainless
NH236PS	2" x 1-11/16" (51 x 43 mm)	*Polished Stainless
NH236PB	2" x 1-11/16" (51 x 43 mm)	*Polished Brass

#### 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

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

## CRL Floating Headers for Overhead Concealed Door Closers



- 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.



#### 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.



#### STOCK FLOATING HEADERS

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

SINGLE 36" CAT. NO.	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

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



C.R. LAURENCE COMPANY

2460 |

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## CRL Narrow Floating Header With Walking Beam Top Pivots



- For 1/2" (12 mm) 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. Headers measure 1-7/8" x 1-5/8" (48 x 41 mm).

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](http://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

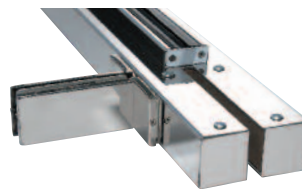
SINGLE 36" CAT. NO.	DOUBLE 72" CAT. NO.	FINISH
NFH4SAS	NFH4SAD	Satin Anodized
NFH4DUS	NFH4DUD	Black Bronze Anodized
NFH4BLS	NFH4BLD	Black Powder Coat
NFH4BSS	NFH4BSD	*Brushed Stainless
NFH4PSS	NFH4PSD	*Polished Stainless
NFH4PBS	NFH4PBD	*Polished Brass

Minimum order: 1 each. \*Clad Finish.



## CRL Custom Floating Headers With Support Fin Brackets

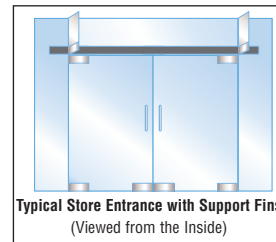
- Available for 1/2" (12 mm) to 3/4" (19 mm) Glass
- Support Fin Brackets Provide Extra Stability in Tall Openings
- Available for Glass-to-Glass or Glass-to-Wall Installations With Overhead Concealed Door Closers or Pivots
- Six Standard Finishes: Satin Anodized, Black Bronze Anodized, Black Powder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



Custom 4" Floating Headers



Custom Narrow Floating Headers



Typical Store Entrance with Support Fins (Viewed from the Inside)



Works With:  
PH94 Ceiling Mounted Support Fin Bracket  
See page Z595

'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](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.





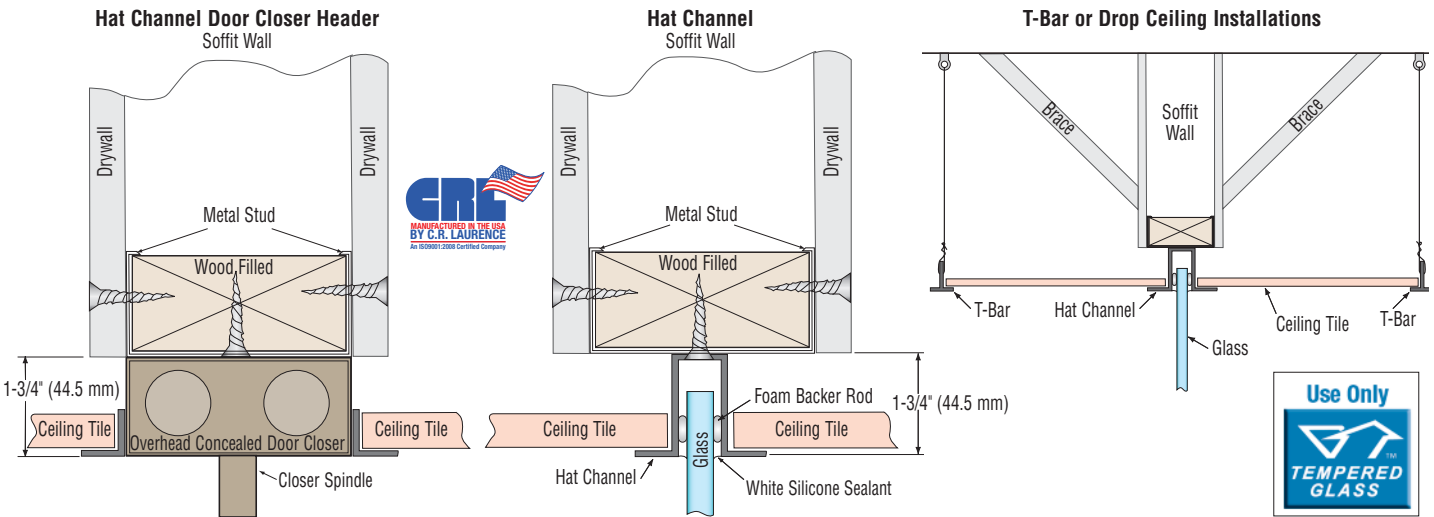
## CRL Hat Channel and Hat Channel Door Closer Header for Drop Ceiling Systems

- 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](http://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.

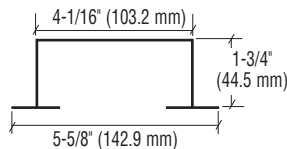


## CRL Hat Channel Door Closer Header for Single and Double Doors

- 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.



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

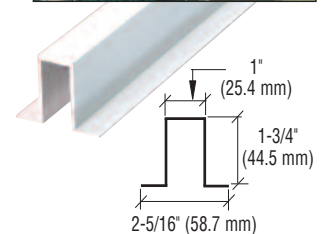
Minimum order: 1 each. \*\* Length must be specified when ordering. Maximum length is 96" (2.44 m).

## 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 carrier.

# CRL GLASS ENTRANCE SYSTEM HEADERS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

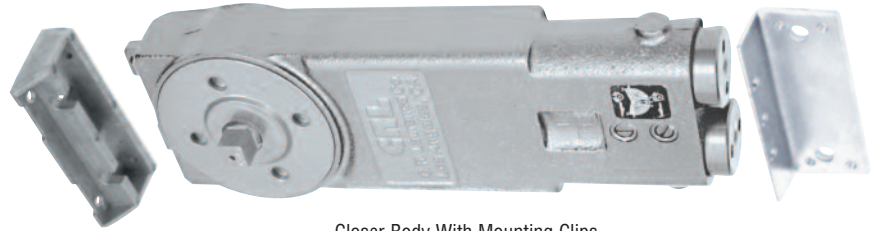
## CRL Overhead Concealed Door Closers for Headers

- **Interchangeable With International, Jackson, and Similar Brands of Overhead Concealed Closers**
- **Available Two Ways:**
  - Closer Body With Mounting Clips
  - Closer Kits Complete With End-Load or Side-Load Arms, Mounting Clips, and Bottom Pivot Sets
- **Available in Five Spring Sizes, Including Two A.D.A. Models**
- **5 Year Limited Warranty**
- **UL Listed**

A.D.A. Compliance Models Available



See the complete selection of Overhead Concealed Door Closers on pages Z684 to Z698



Closer Body With Mounting Clips



Offset Arm Assembly



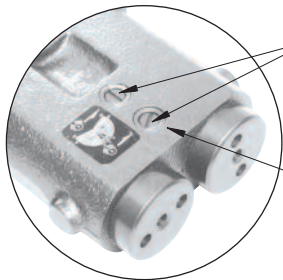
Adjustable Dual-Purpose Bottom Pivot Set



Type "A" End-Load Arm



Type "S" Side-Load Arm



**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 Closer Body.

CRL offers a complete line of Overhead Concealed Door Closers and Accessories. The selection includes a wide range of 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 closers without the need to change existing door hardware.

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. 7700. You can e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



Overhead Concealed Closer used in a Floating Header



Overhead Concealed Closer used with Patch Fittings



# CRL ACCESS CONTROL HANDLES

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Access Control Handles for 'All-Glass' Doors



- **Wide Selection of Exterior Fixed Handles for 1/2" (12 mm) or 3/4" (19 mm) Tempered Glass Doors**
- **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 manufactures a complete line of Access Control Handles for your 'all-glass' 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. Please review the following pages for the complete selection, or visit [crlaurence.com](http://crlaurence.com) for more information.



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. 7700. You can e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



## CRL Panic Handles

- **Elegant Tubular Design**
- **UL and ANSI/BHMA Certified**



The operating mechanism concealed within the vertical tubing of our Panic Handles retracts the latch bolt when the interior actuation bar is pushed. An optional exterior Keyed Access Device can be installed to allow entry, and a special dogging feature allows the doors to remain unlocked during business hours. Electronic Strikes are also available, providing a variety of secured entry options.

See pages Z466 through Z472 for more detailed information on our entire line of Panic Handles.



## CRL Deadbolt Handles

- **Easy Secure Access**
- **ANSI/BHMA Certified**



The locking mechanism is concealed within the vertical tubing of our Deadbolt Handles, providing easy access through a variety of keying options. An optional Top Latch Roller Bolt allows the use of Electronic Strikes for controlled entry systems.

See pages Z474 through Z480 for more detailed information on our entire line of Deadbolt Handles.



## CRL Electronic Egress Control Handles

- **Ideal for Maintaining Security and Aesthetics**
- **UL Recognized Component**



U.S. Patent No. 7,347,461  
Canadian Patent No. 2,418,658

An electronic switch concealed within the vertical tubing of our Electronic Egress Control Handle releases the Magnetic Lock at the top or bottom of the door, when the interior actuation bar is pushed. Please consult your local building codes as they relate to the acceptability of electro-magnetic locking hardware.

See pages Z482 through Z488 for more detailed information on our entire line of Electronic Egress Control Handles.



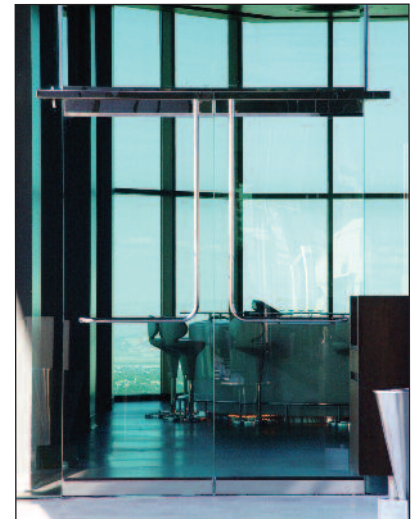
## CRL Dummy Handles

- **Endless Variety of Configurations Available to Match Our Panic, Deadbolt, and Electronic Egress Handles**
- **Elegant Tubular Design**



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.

See page Z481 for more detailed information on our entire line of Dummy Handles.



**NOTE:** All Access Control Handles function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



## CRL 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**
- **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 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.

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/5132-93, and ANSI/BHMA A156.3-2001, Grade 1 Certified. No other Panic of this type can make this claim, and that puts CRL Panic Handles a step ahead of all the rest.

For more information on our PA100 and PA110 Series Panic Handles, see pages Z467 to Z472, or visit our web site at [crlaurence.com](http://crlaurence.com).



- **Models for Aluminum or Wood Doors Available on Special Order**



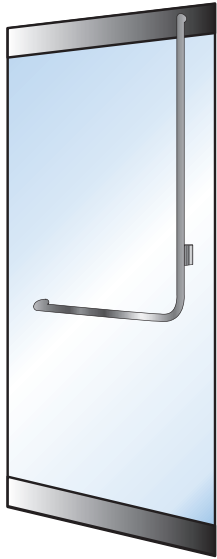
Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700.

You can also send e-mail from the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

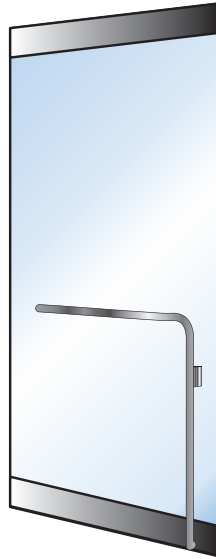
**NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



## Standard Interior Configurations for CRL Panic Handles



PA100 Series



PA110 Series

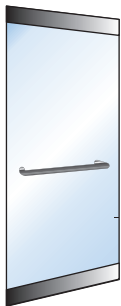
Available with or without Keyed Access Device



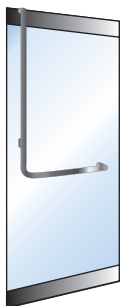
**NOTE:** All Exterior Fixed Handles below can be used in combination with any Panic Handle.

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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

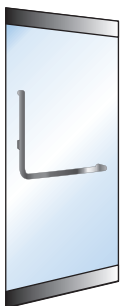
## Exterior Handle Combinations for Doors with CRL Panic Handles



Handle A



Handle D



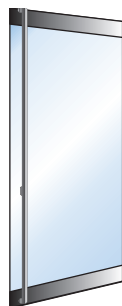
Handle B



Handle C



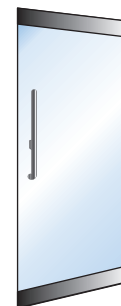
Handle E



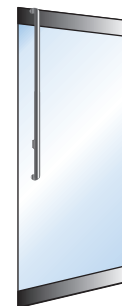
Handle F



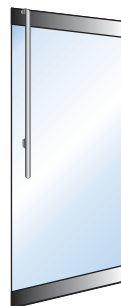
Handle G



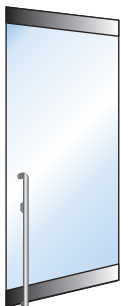
Handle H



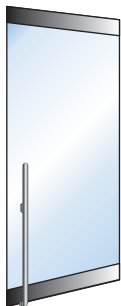
Handle J



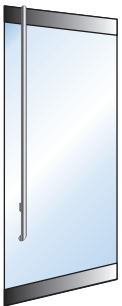
Handle J-S



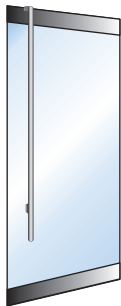
Handle K



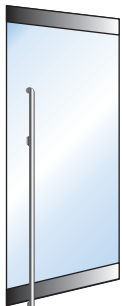
Handle K-S



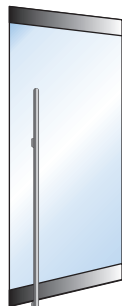
Handle L



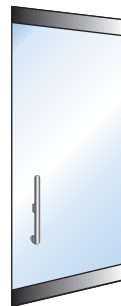
Handle L-S



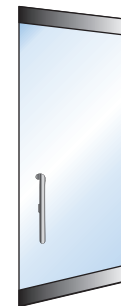
Handle M



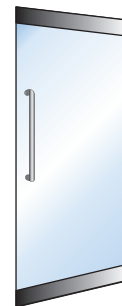
Handle M-S



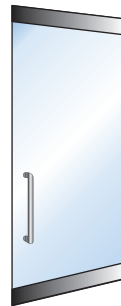
Handle N



Handle P



Handle X



Handle Y

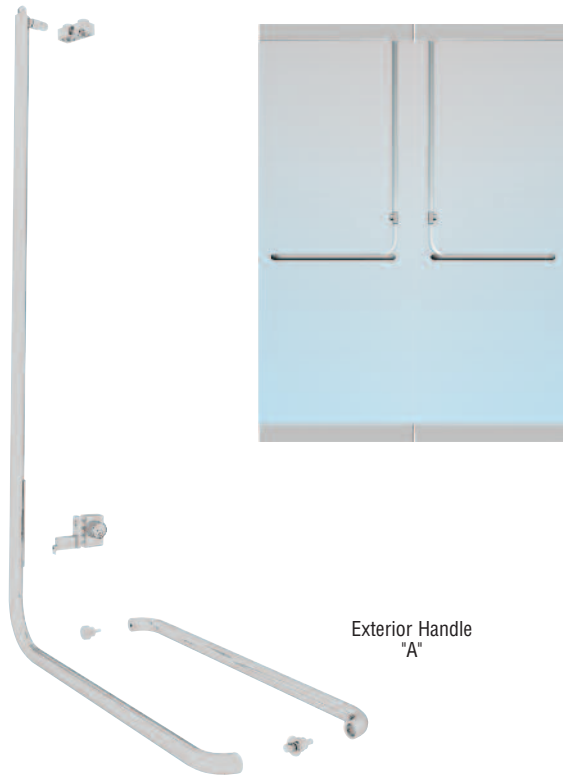
**NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



## CRL PA100 Series Panic Handles

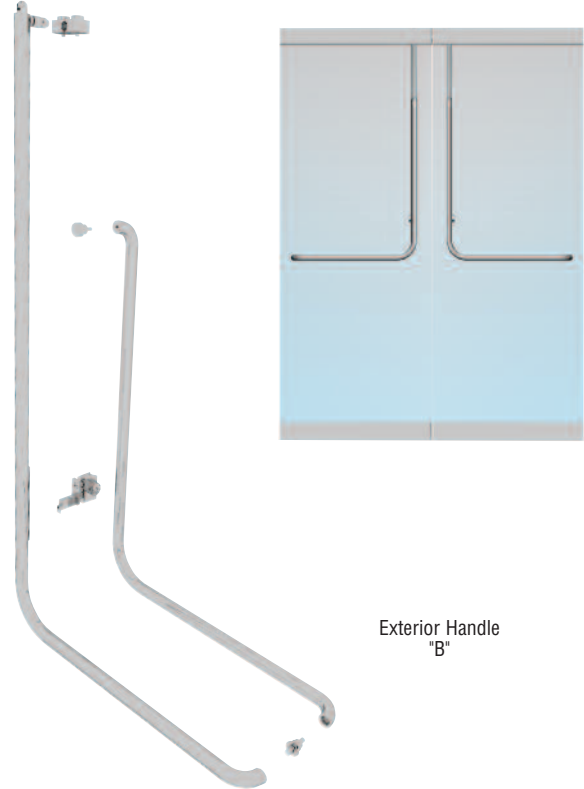
- UL, ULC, and ANSI/BHMA Certified
- For 1/2" or 3/4" (12 or 19 mm) Tempered Glass Doors
- Wide Selection of Exterior Fixed Handles
- Models for Aluminum or Wood Doors Available on Special Order
- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order
- Custom Sizes Ship Within One to Two Weeks

### CRL PA100A Panic Handles



Exterior Handle "A"

### CRL PA100B Panic Handles



Exterior Handle "B"



#### ORDERING OPTIONS

When ordering PA100 Series Panics you must specify:

- PA100 (Interior mechanisms as shown above)
- Exterior Handle Option (A and B shown above, see page Z467 for a complete listing of Optional Exterior Handles)
- Handing (as viewed from the exterior side of the door)
- Rail or Glass Mount
- Glass Thickness
- With or Without Exterior Keyed Access Device
- With or Without Electric Strike
- Finish

#### MAXIMUM DOOR HEIGHTS

- |           |   |
|-----------|---|
| Exterior  | - 96" (2.44 m) for 1/2" (12 mm) Glass Thickness                       |
|           | - 102" (2.59 m) for 3/4" (19 mm) Glass Thickness                      |
| Interior  | - 102" (2.59 m) for 1/2" (12 mm) Glass Thickness                      |
|           | - 108" (2.74 m) for 3/4" (19 mm) Glass Thickness                      |
| Exception | - When using "F" Style Exterior Handle                                |
|           | - 108" (2.74 m) for either 1/2" or 3/4" (12 or 19 mm) Glass Thickness |

See page Z471 for Panic Size limitations.

See page Z472 for Panic Handle details.

#### SPECIFICATIONS:

##### Materials:

1-1/4" (32 mm) Diameter Brass or Stainless Steel Tubing (1.5 mm thick)

##### Glass Thicknesses:

1/2" (12 mm) or 3/4" (19 mm)

##### Glass Fabrication:

Please contact CRL Technical Sales

##### Certification:

UL305

ULC/5132-93

ANSI/BHMA A156.3-2001 Grade 1

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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

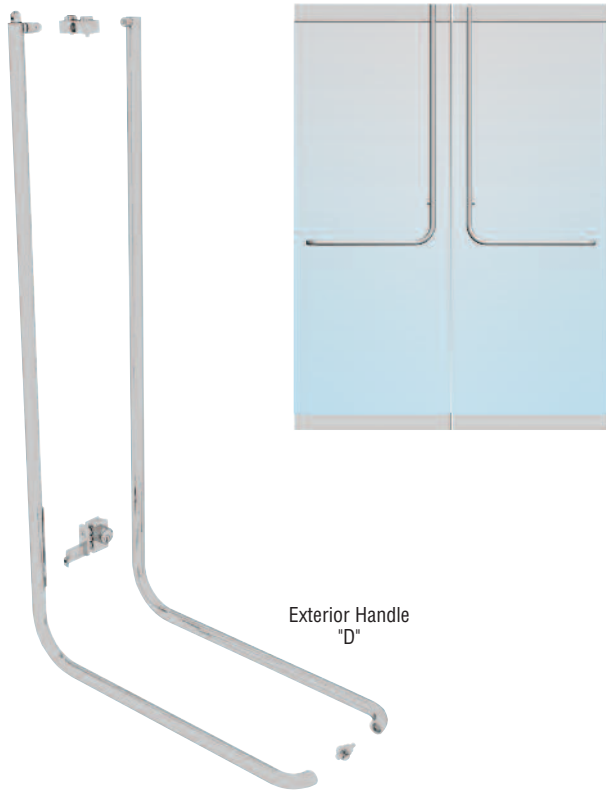
**NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Tempered and Door Manufacturers.



## CRL PA100 Series Panic Handles

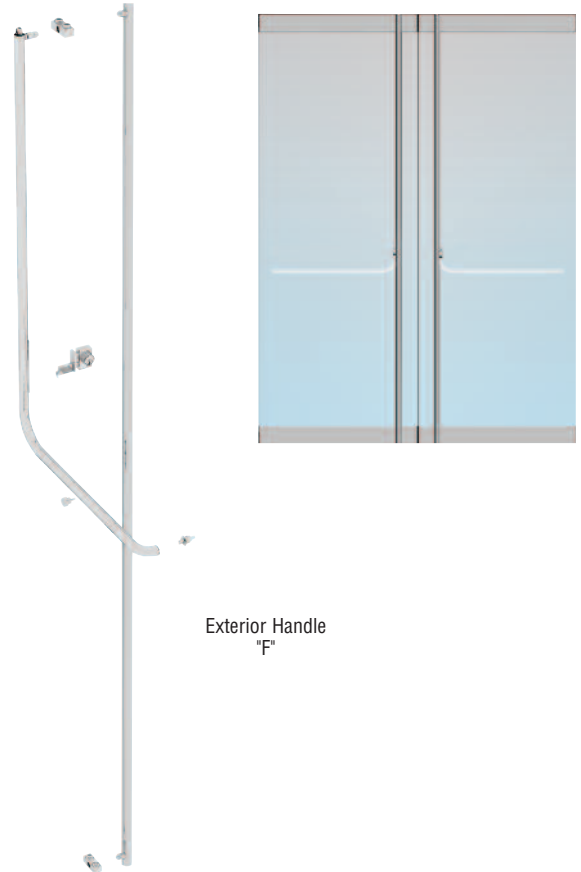
- UL, ULC, and ANSI/BHMA Certified
- For 1/2" or 3/4" (12 or 19 mm) Tempered Glass Doors
- Wide Selection of Exterior Fixed Handles
- Models for Aluminum or Wood Doors Available on Special Order
- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order
- Custom Sizes Ship Within One to Two Weeks

### CRL PA100D Panic Handles



Exterior Handle "D"

### CRL PA100F Panic Handles



Exterior Handle "F"



#### ORDERING OPTIONS

When ordering PA100 Series Panics you must specify:

- PA100 (Interior mechanisms as shown above)
- Exterior Handle Option (D and F shown above, see page Z467 for a complete listing of Optional Exterior Handles)
- Hanging (as viewed from the exterior side of the door)
- Rail or Glass Mount
- Glass Thickness
- With or Without Exterior Keyed Access Device
- With or Without Electric Strike
- Finish

#### MAXIMUM DOOR HEIGHTS

- |           |   |
|-----------|---|
| Exterior  | - 96" (2.44 m) for 1/2" (12 mm) Glass Thickness                       |
|           | - 102" (2.59 m) for 3/4" (19 mm) Glass Thickness                      |
| Interior  | - 102" (2.59 m) for 1/2" (12 mm) Glass Thickness                      |
|           | - 108" (2.74 m) for 3/4" (19 mm) Glass Thickness                      |
| Exception | - When using "F" Style Exterior Handle                                |
|           | - 108" (2.74 m) for either 1/2" or 3/4" (12 or 19 mm) Glass Thickness |

See page Z471 for Panic Size limitations.

See page Z472 for Panic Handle details.

#### SPECIFICATIONS:

##### Materials:

1-1/4" (32 mm) Diameter Brass or Stainless Steel Tubing (1.5 mm thick)

##### Glass Thicknesses:

1/2" (12 mm) or 3/4" (19 mm)

##### Glass Fabrication:

Please contact CRL Technical Sales

##### Certification:

UL305

ULC/5132-93

ANSI/BHMA A156.3-2001 Grade 1

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](http://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 PA110 Series Panic Handles

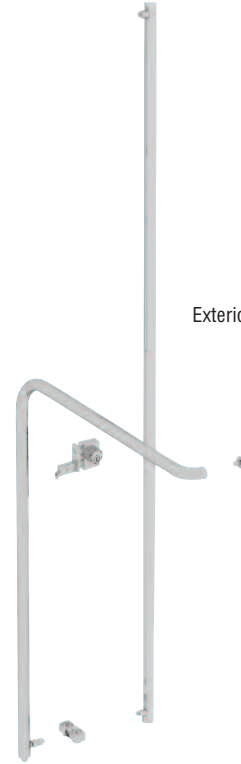
- UL, ULC, and ANSI/BHMA Certified
- For 1/2" or 3/4" (12 or 19 mm) Tempered Glass Doors
- Wide Selection of Exterior Fixed Handles
- Models for Aluminum or Wood Doors Available on Special Order
- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order
- Custom Sizes Ship Within One to Two Weeks

### CRL PA110A Panic Handles

### CRL PA110F Panic Handles

Exterior Handle "A"

Exterior Handle "F"



#### ORDERING OPTIONS

When ordering PA110 Series Panics you must specify:

- PA110 (interior mechanism as shown above)
- Exterior Handle Option (A and F shown above, see page Z467 for a complete listing of Optional Exterior Handles)
- Handing (as viewed from the exterior side of the door)
- Rail or Glass Mount
- Glass Thickness
- With or Without Exterior Keyed Access Device
- Floor Mount or Threshold Ramp Strike
- Finish

#### MAXIMUM DOOR HEIGHTS

- |           |   |
|-----------|---|
| Exterior  | - 96" (2.44 m) for 1/2" (12 mm) Glass Thickness                       |
|           | - 102" (2.59 m) for 3/4" (19 mm) Glass Thickness                      |
| Interior  | - 102" (2.59 m) for 1/2" (12 mm) Glass Thickness                      |
|           | - 108" (2.74 m) for 3/4" (19 mm) Glass Thickness                      |
| Exception | - When using "F" Style Exterior Handle                                |
|           | - 108" (2.74 m) for either 1/2" or 3/4" (12 or 19 mm) Glass Thickness |

See page Z471 for Panic Size limitations.

See page Z472 for Panic Handle details.

#### SPECIFICATIONS:

##### Material:

1-1/4" (32 mm) Diameter Brass or Stainless Steel Tubing (1.5 mm thick)

##### Glass Thicknesses:

1/2" (12 mm) or 3/4" (19 mm)

##### Glass Fabrication:

Please contact CRL Technical Sales

##### Certification:

UL305

ULC/5132-93

ANSI/BHMA A156.3-2001, Grade 1

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](http://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 Panic Handle Size Limitations

Increased Sizes Make Door Assemblies Heavier and More Flexible. Therefore, the Following Should Be Considered:

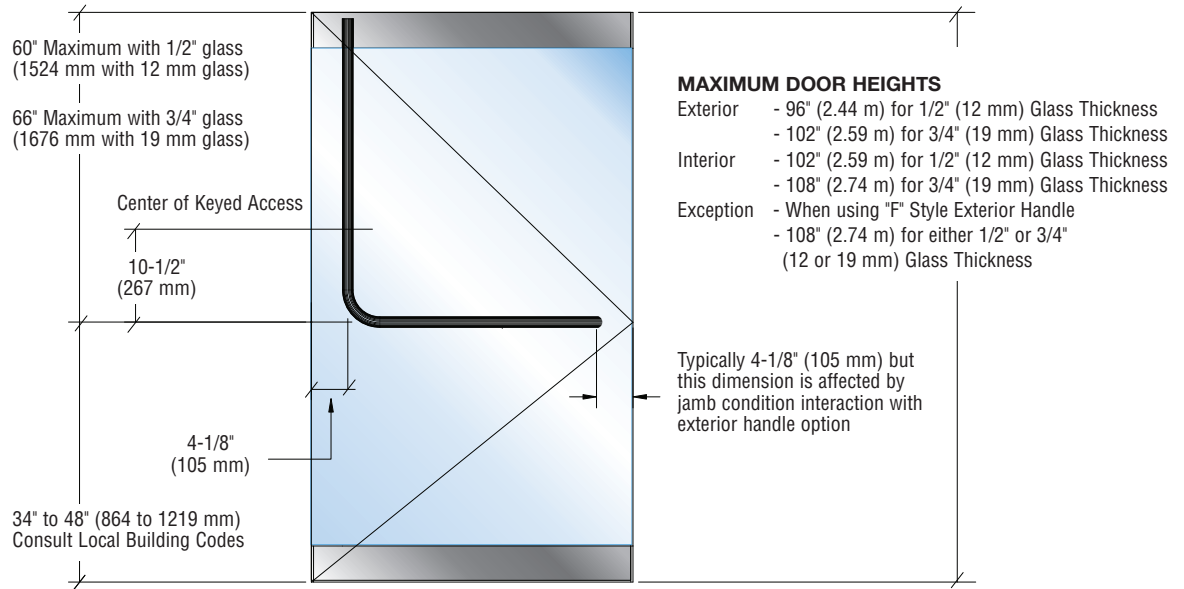
- Wind Load, Stack Pressure, and Ventilation Loads
- Mounting Conditions of Doors to Building Structure
- Panic Devices, Deadbolt Locks, or Other Hardware
- Overhead or Floor Closer Characteristics
- Heavy Usage and Frequency of Operation
- Comfortable Feel and Ease of Door Operation



The Architect's Structural Engineer Should Be Consulted So That the Door Design is Correct for the Intended Use

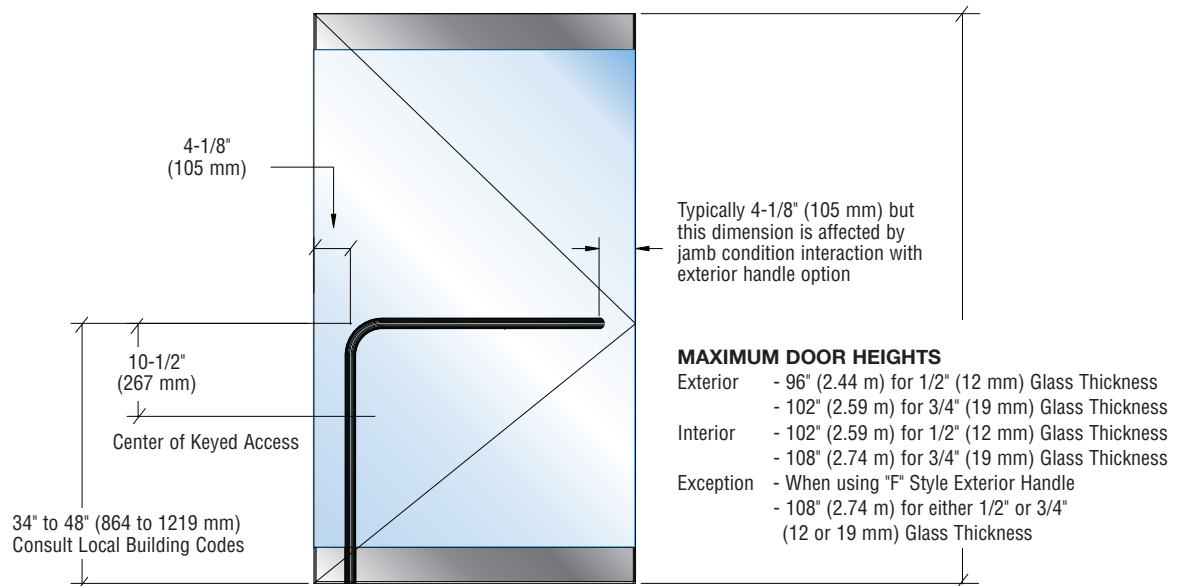
## CRL PA100 Series Panic Handles

### • Top Latching



## CRL PA110 Series Panic Handles

### • Bottom Latching



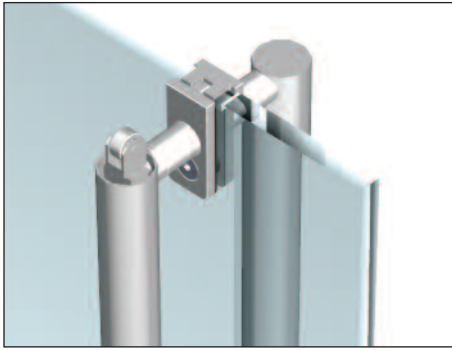
Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700.

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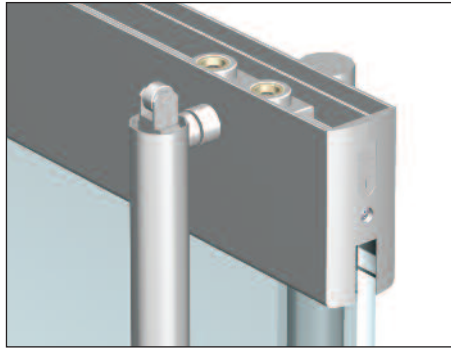
**NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



## CRL PA100 Series Panic Handle Details



Glass Mount Detail at Latch



Rail Mount Detail at Latch



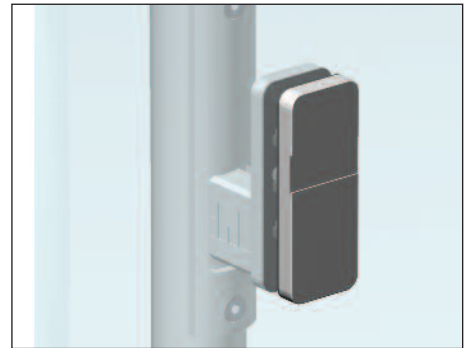
Keyed Access



Glass Mount Detail at Latch With Header and PK Strike



Rail Mount Detail at Latch with Header and ESK Strike

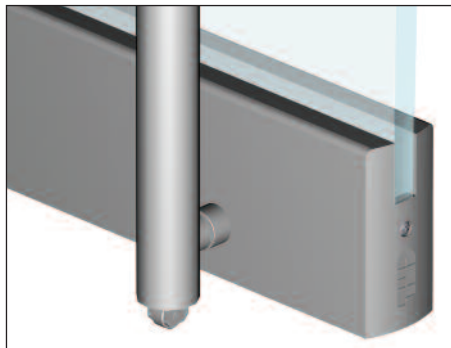


Retainer Plate

## CRL PA110 Series Panic Handle Details



Glass Mount Detail at Latch



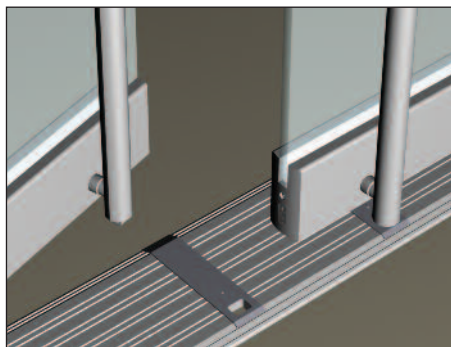
Rail Mount Detail at Latch



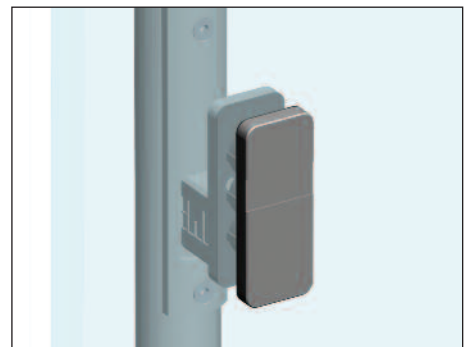
Keyed Access



Glass Mount Detail at Latch With Floor Mount Ramp Strike



Rail Mount Detail at Latch With Threshold Ramp Strike



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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

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## Online Photo Gallery

When you visit the [crlaurence.com](http://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.



## CRL 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



- 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 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, see pages Z475 through Z480, contact CRL Technical Sales, or visit our web site at [crlaurence.com](http://crlaurence.com).

- Models for Aluminum or Wood Doors Available on Special Order

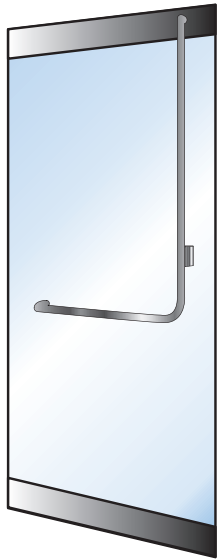


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## Standard Interior Configurations for CRL Deadbolt Handles



**DB100 Series**

Comes standard with Keyed Access on both sides of door



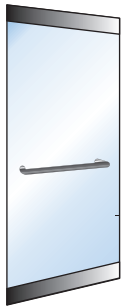
**DB110 Series**



**NOTE:** All Exterior Fixed Handles below can be used in combination with any Deadbolt Handle.

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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

## Exterior Handle Combinations for Doors with CRL Deadbolt Handles



Handle A



Handle D



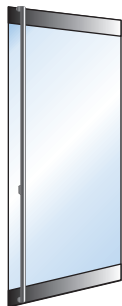
Handle B



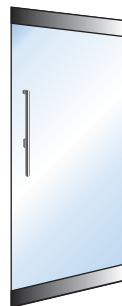
Handle C



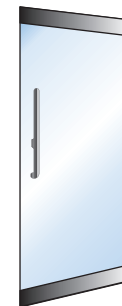
Handle E



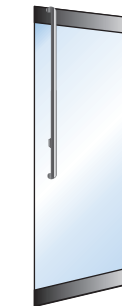
Handle F



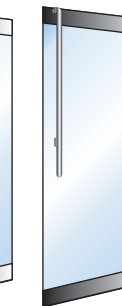
Handle G



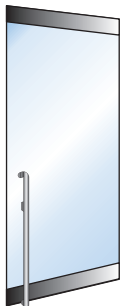
Handle H



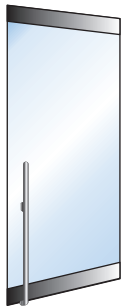
Handle J



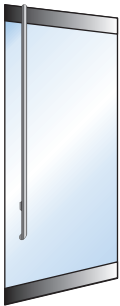
Handle J-S



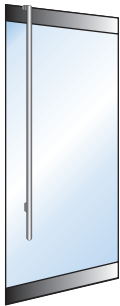
Handle K



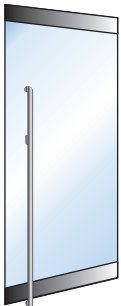
Handle K-S



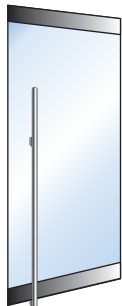
Handle L



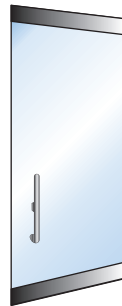
Handle L-S



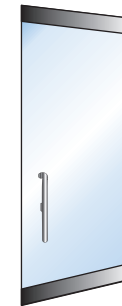
Handle M



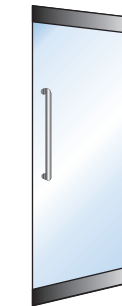
Handle M-S



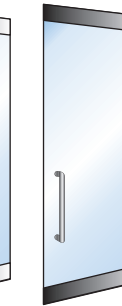
Handle N



Handle P



Handle X



Handle Y

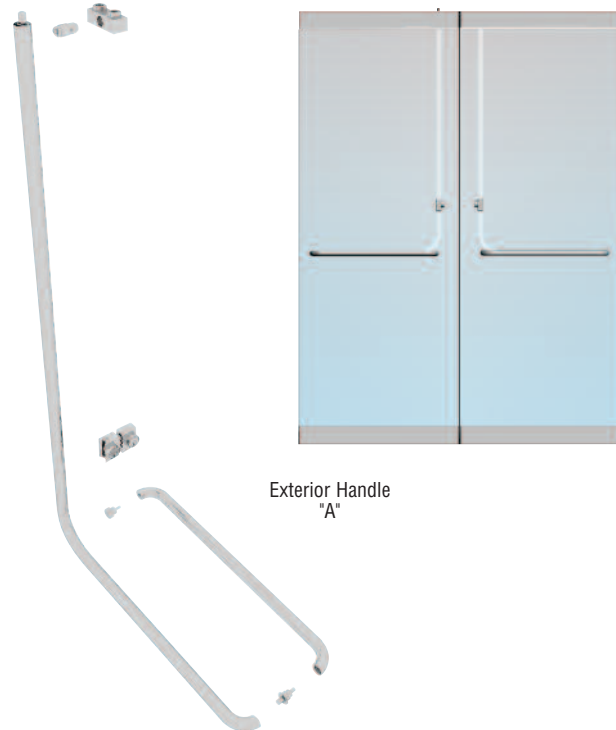
**NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



## CRL DB100 Series Deadbolt Handles

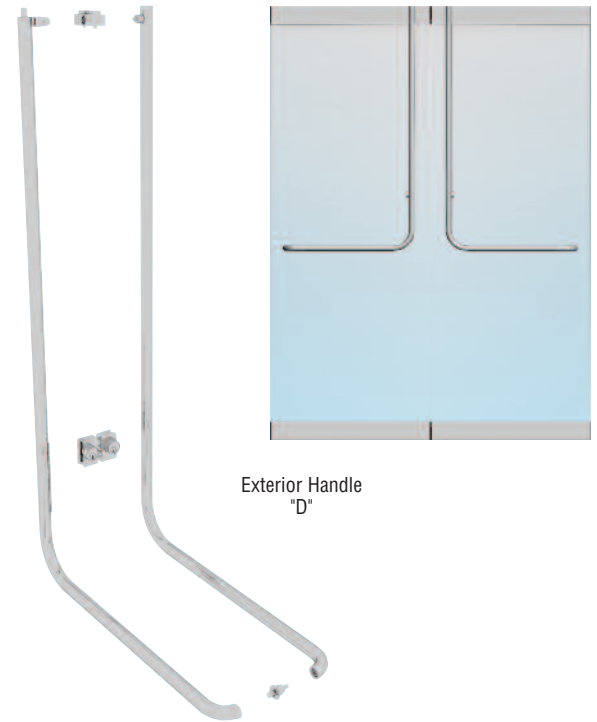
- UL Classified
- For 1/2" or 3/4" (12 or 19 mm) Tempered Glass Doors
- Wide Selection of Exterior Fixed Handles
- Models for Aluminum or Wood Doors Available on Special Order
- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order
- Can Be Used With Electric Strikes

### CRL DB100A Deadbolt Handles



Exterior Handle "A"

### CRL DB100D Deadbolt Handles



Exterior Handle "D"



#### ORDERING OPTIONS

When ordering DB100 Series Deadbolts you must specify:

- DB100 (interior mechanism as shown above)
- Exterior Handle Option (A and D shown above, see page Z475 for a complete listing of Optional Exterior Handles)
- Handing (as viewed from the exterior side of the door)
- Rail or Glass Mount
- Glass Thickness
- Keyed In and Out or Keyed Out / Thumbturn In
- Single or Double Door Stop Strike (for single acting doors only)
- With or Without Electric Strike Prep
- Finish

**NOTE:** Strikes must be ordered separately.

#### MAXIMUM DOOR HEIGHTS

- |           |   |
|-----------|---|
| Exterior  | - 96" (2.44 m) for 1/2" (12 mm) Glass Thickness                       |
|           | - 102" (2.59 m) for 3/4" (19 mm) Glass Thickness                      |
| Interior  | - 102" (2.59 m) for 1/2" (12 mm) Glass Thickness                      |
|           | - 108" (2.74 m) for 3/4" (19 mm) Glass Thickness                      |
| Exception | - When using "F" Style Exterior Handle                                |
|           | - 108" (2.74 m) for either 1/2" or 3/4" (12 or 19 mm) Glass Thickness |

See page Z479 for Deadbolt Size limitations.

See page Z480 for Deadbolt Handle details.

#### SPECIFICATIONS:

##### Material:

1-1/4" (32 mm) Diameter Brass or Stainless Steel Tubing (1.5 mm thick)

##### Glass Thicknesses:

1/2" (12 mm) or 3/4" (19 mm)

##### Glass Fabrication:

Please contact CRL Technical Sales

##### Certification:

UL Classified  
ANSI A156.16-1997

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.

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## CRL DB110 and DB170 Series Deadbolt Handles

- UL Classified
- For 1/2" or 3/4" (12 or 19 mm) Tempered Glass Doors
- Wide Selection of Exterior Fixed Handles
- Models for Aluminum or Wood Doors Available on Special Order

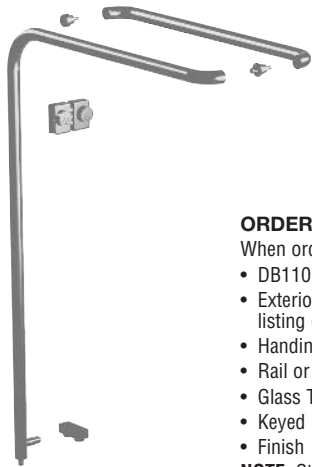


- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order
- Custom Sizes Ship Within One to Two Weeks

### CRL DB110A Deadbolt Handles



Exterior Handle "A"



#### ORDERING OPTIONS

When ordering DB110 Series Deadbolts you must specify:

- DB110 (interior mechanism as shown above)
- Exterior Handle Option (see page Z475 for a complete listing of Optional Exterior Handles)
- Handing (as viewed from the exterior side of the door)
- Rail or Glass Mount
- Glass Thickness
- Keyed In and Out or Keyed Out / Thumbturn In
- Finish

**NOTE:** Strikes must be ordered separately.

### CRL DB170J-S Deadbolt Handles



Exterior Handle "J-S"

#### ORDERING OPTIONS

When ordering DB170 Series Deadbolts you must specify:

- DB170 (interior mechanism as shown above)
- Exterior Handle Option (J-S shown above, see page Z475 for a complete listing of Optional Exterior Handles)
- Handing (as viewed from the exterior side of the door)
- Rail or Glass Mount
- Glass Thickness
- Keyed In and Out or Keyed Out / Thumbturn In
- Finish

**NOTE:** Strikes must be ordered separately.

#### MAXIMUM DOOR HEIGHTS

- |           |   |
|-----------|---|
| Exterior  | - 96" (2.44 m) for 1/2" (12 mm) Glass Thickness                       |
|           | - 102" (2.59 m) for 3/4" (19 mm) Glass Thickness                      |
| Interior  | - 102" (2.59 m) for 1/2" (12 mm) Glass Thickness                      |
|           | - 108" (2.74 m) for 3/4" (19 mm) Glass Thickness                      |
| Exception | - When using "F" Style Exterior Handle                                |
|           | - 108" (2.74 m) for either 1/2" or 3/4" (12 or 19 mm) Glass Thickness |

See page Z479 for Deadbolt Size limitations.

See Page Z480 for Deadbolt Handle details.

#### SPECIFICATIONS:

##### Material:

1-1/4" (32 mm) Diameter Brass or Stainless Steel Tubing (1.5 mm thick)

##### Glass Thicknesses:

1/2" (12 mm) or 3/4" (19 mm)

##### Glass Fabrication:

Please contact CRL Technical Sales

##### Certification:

UL Classified  
ANSI A156.16-1997



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.

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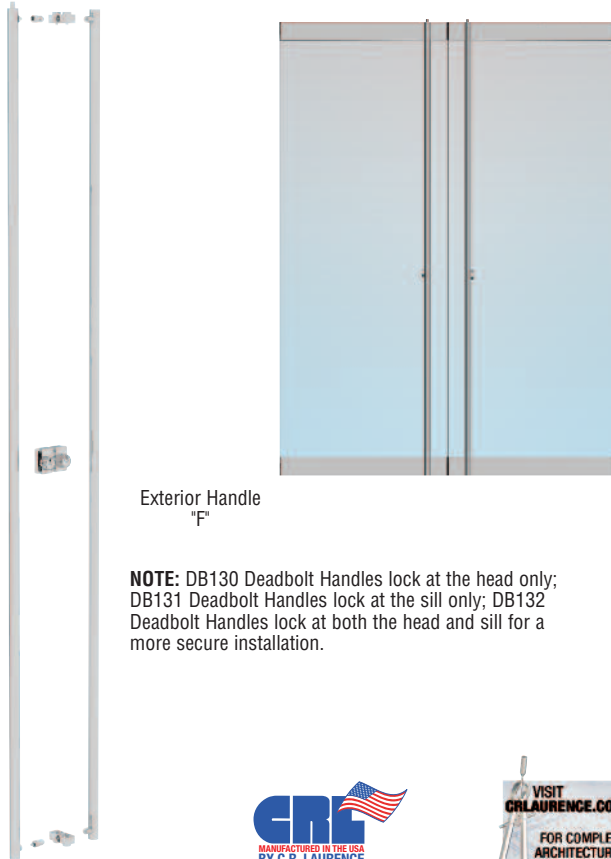


## CRL DB130 and DB140 Series Deadbolt Handles

- **UL Classified**
- **For 1/2" or 3/4" (12 or 19 mm) Tempered Glass Doors**
- **Wide Selection of Exterior Fixed Handles**
- **Models for Aluminum or Wood Doors Available on Special Order**
- **Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze**
- **Custom Finishes Available By Special Order**
- **DB130 Series Can Be Used With an Electric Strike**

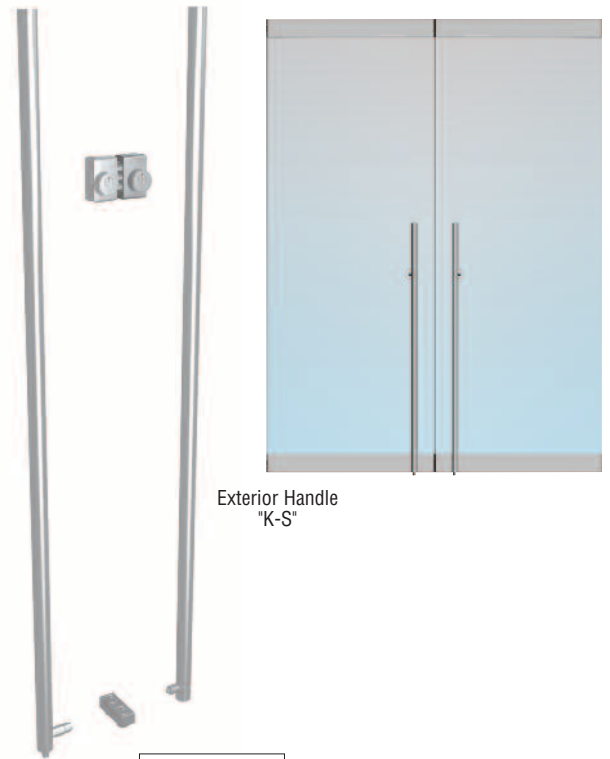
### CRL DB130F, DB131F, and DB132F Deadbolt Handles

### CRL DB140K-S Deadbolt Handles



Exterior Handle "F"

**NOTE:** DB130 Deadbolt Handles lock at the head only; DB131 Deadbolt Handles lock at the sill only; DB132 Deadbolt Handles lock at both the head and sill for a more secure installation.



Exterior Handle "K-S"



#### ORDERING OPTIONS

When ordering DB130 or DB140 Series Deadbolts you must specify:

- DB130, DB131, DB132 or DB140 (interior mechanism as shown above)
- Exterior Handle Option (F and K-S shown above, see page Z475 for a complete listing of Optional Exterior Handles)
- Handing (as viewed from the exterior side of the door)
- Rail or Glass Mount
- Glass Thickness
- Keyed In and Out or Keyed Out / Thumbturn In
- Single or Double Door Stop Strike (for DB132 Single Acting Doors Only)
- With or Without Electric Strike Prep (for DB130 Only)
- Finish

**NOTE:** Strikes must be ordered separately.

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**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.

#### MAXIMUM DOOR HEIGHTS

- |           |   |
|-----------|---|
| Exterior  | - 96" (2.44 m) for 1/2" (12 mm) Glass Thickness                       |
|           | - 102" (2.59 m) for 3/4" (19 mm) Glass Thickness                      |
| Interior  | - 102" (2.59 m) for 1/2" (12 mm) Glass Thickness                      |
|           | - 108" (2.74 m) for 3/4" (19 mm) Glass Thickness                      |
| Exception | - When using "F" Style Exterior Handle                                |
|           | - 108" (2.74 m) for either 1/2" or 3/4" (12 or 19 mm) Glass Thickness |

See page Z479 for Deadbolt Size limitations.

See page Z480 for Deadbolt Handle details.

#### SPECIFICATIONS:

##### Material:

1-1/4" (32 mm) Diameter Brass or Stainless Steel Tubing (1.5 mm thick)

##### Glass Thicknesses:

1/2" (12 mm) or 3/4" (19 mm)

##### Glass Fabrication:

Please contact CRL Technical Sales

##### Certification:

UL Classified

ANSI A156.16-1997



## CRL Deadbolt Handle Size Limitations

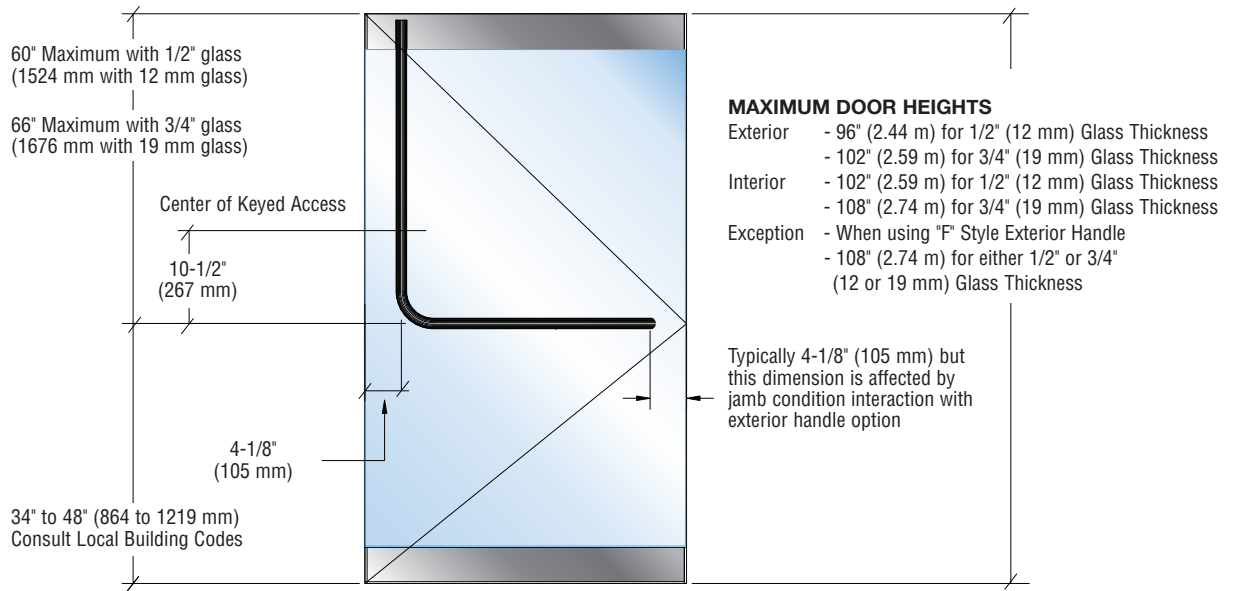
Increased Sizes Make Door Assemblies Heavier and More Flexible. Therefore, the Following Should Be Considered:

- Wind Load, Stack Pressure, and Ventilation Loads
- Mounting Conditions of Doors to Building Structure
- Deadbolt Locks, Panic Devices, or Other Hardware
- 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

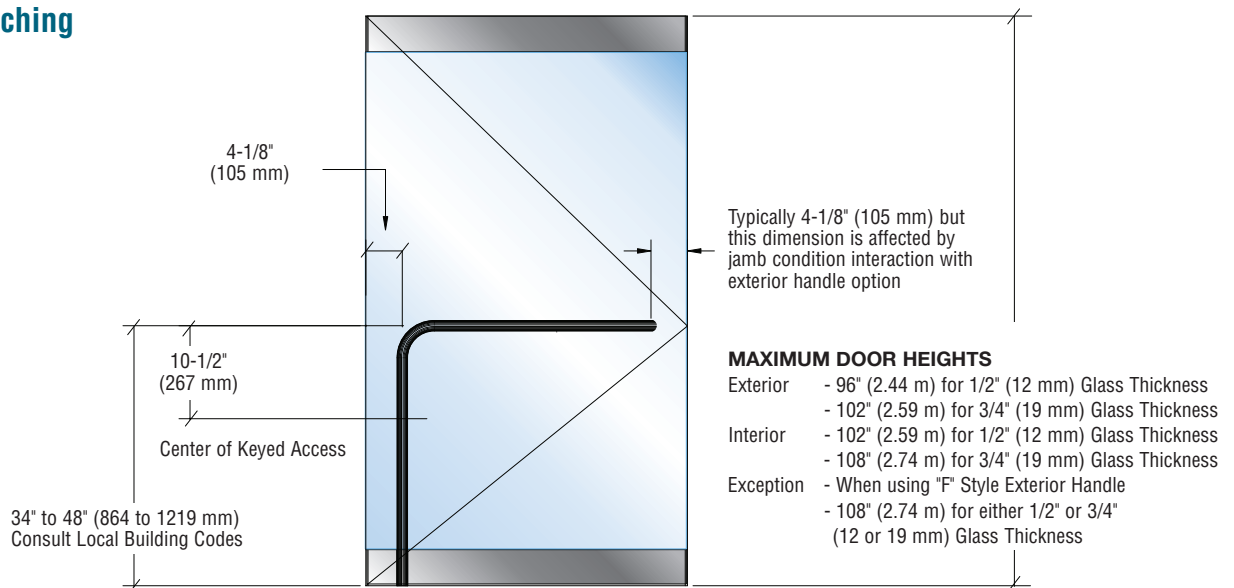
## CRL DB100 Series Deadbolt Handles

### • Top Latching



## CRL DB110 Series Deadbolt Handles

### • Bottom Latching



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.

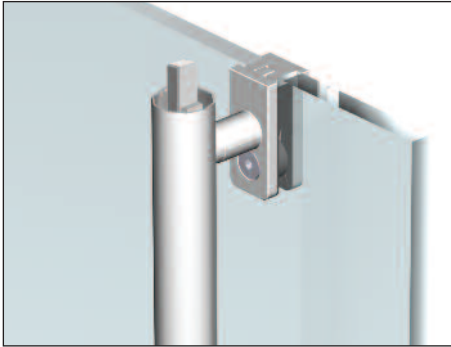
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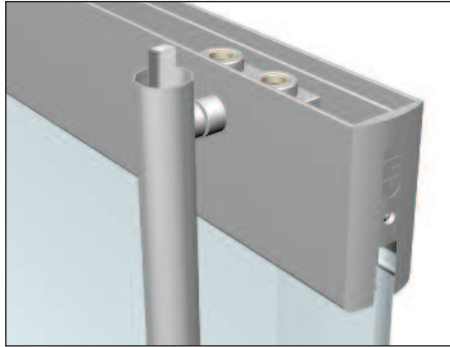




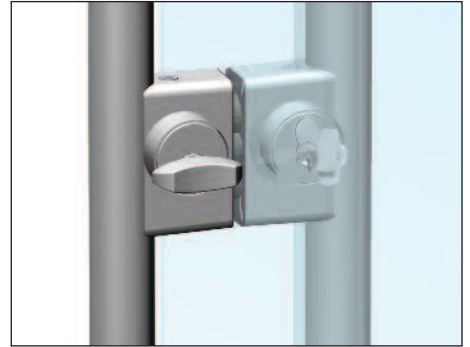
## CRL DB100 Series Deadbolt Handle Details



Glass Mount Detail at Latch



Rail Mount Detail at Latch



Keyed Access – Cylinder Out / Thumbturn In



Glass Mount Detail at Latch With Header and Hole for Latch



Rail Mount Detail at Latch With Header and PK Strike



Glass Mount Detail at Latch With Header and ESK Strike

## CRL DB110 Series Deadbolt Handle Details



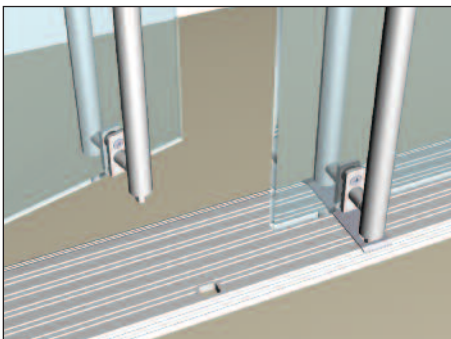
Glass Mount Detail at Latch



Rail Mount Detail at Latch



Keyed Access – Cylinder Out / Cylinder In



Glass Mount Detail at Latch With Threshold Prepped for Latch



Rail Mount Detail at Latch at Floor With AMR209PS Dustproof Keeper



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](http://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 Dummy Handles

- Custom Fabricated to Match All CRL 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



### ORDERING OPTIONS

When ordering Dummy Handles you must specify:

- Interior Handle Option (see page Z467)
- Exterior Handle Option (see page Z467)
- Handing (as viewed from the exterior side of the door)
- Rail or Glass Mount
- Glass Thickness
- Finish

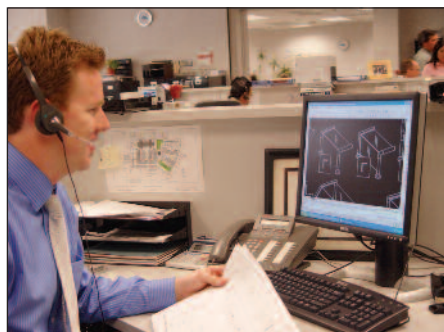
**NOTE:** Models for Aluminum or Wood Doors are available on special order.

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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



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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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



## CRL 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**
- **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**



CRL 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.

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 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 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, see pages Z483 to Z488, contact CRL Technical Sales, or visit our web site at [crlaurence.com](http://crlaurence.com).



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  
Canadian Patent No. 2,418,658



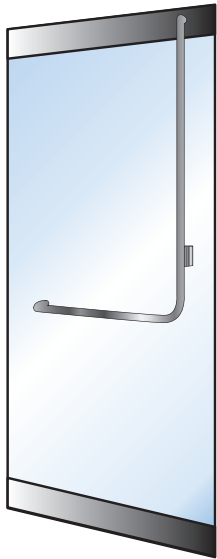
Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700.

You can also send e-mail from the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

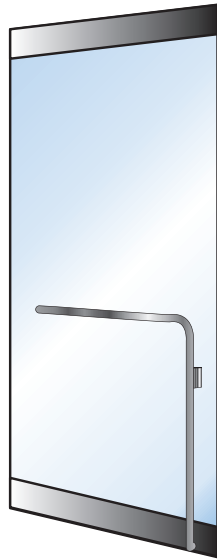
**NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



## Standard Interior Configurations for CRL Electronic Egress Control Handles



EG100 Series



EG110 Series

Available with or without Keyed Access Device



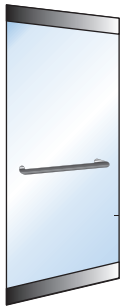
U.S. Patent No. 7,347,461  
Canadian Patent No. 2,418,658



## Exterior Handle Combinations for Doors with CRL Electronic Egress Control Handles

**NOTE:** All Exterior Fixed Handles below can be used in combination with any Electronic Egress Control Handle.

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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



Handle A



Handle D



Handle B



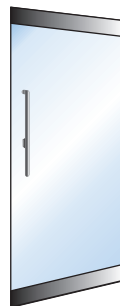
Handle C



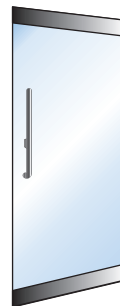
Handle E



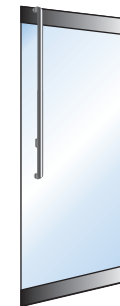
Handle F



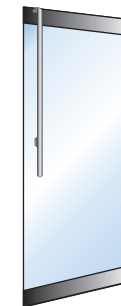
Handle G



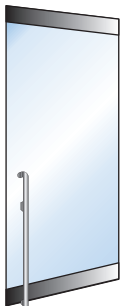
Handle H



Handle J



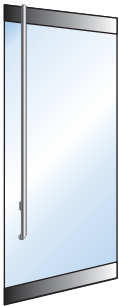
Handle J-S



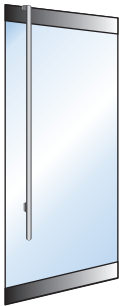
Handle K



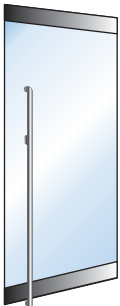
Handle K-S



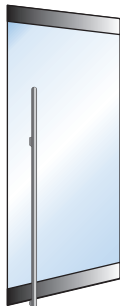
Handle L



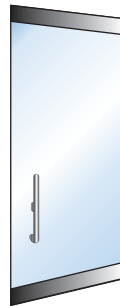
Handle L-S



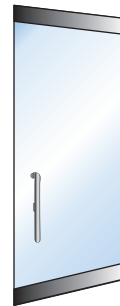
Handle M



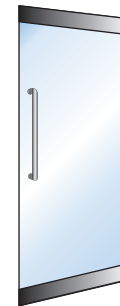
Handle M-S



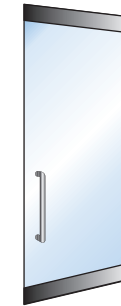
Handle N



Handle P



Handle X



Handle Y

**NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Tempered and Door Manufacturers.

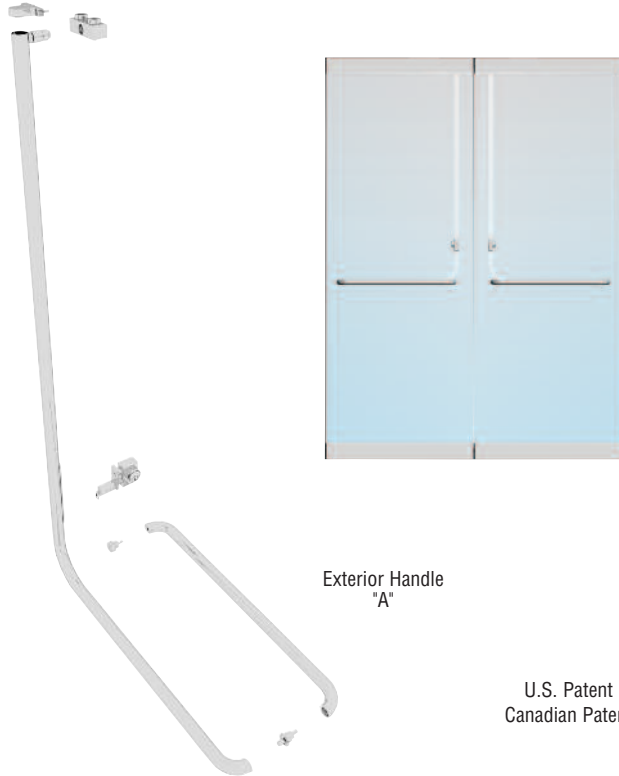


## CRL EG100 Series Egress Control Handles

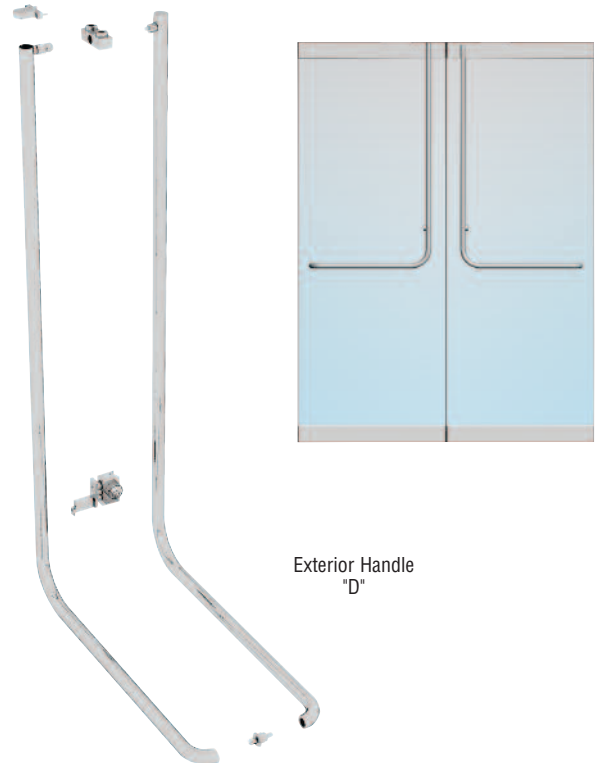
- UL and ULC Recognized Component
- For 1/2" or 3/4" (12 or 19 mm) Tempered Glass Doors
- Wide Selection of Exterior Fixed Handles
- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order
- Models for Aluminum or Wood Doors Available on Special Order

### CRL EG100A Egress Control Handles

### CRL EG100D Egress Control Handles



Exterior Handle "A"



Exterior Handle "D"

U.S. Patent No. 7,347,461  
Canadian Patent No. 2,418,658



CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHALL  
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM  
Listing No. 3774-1603:100

#### ORDERING OPTIONS

When ordering EG100 Series Electronic Egress Control Handles you must specify:

- EG100 (interior mechanism as shown above)
- Exterior Handle Option (A and D shown above, see page Z483 for a complete listing of Optional Exterior Handles)
- Handing (as viewed from the exterior side of the door)
- Rail or Glass Mount
- Glass Thickness
- With or Without Keyed Access Device
- Finish

**NOTE:** Magnetic Locks must be ordered separately. Please contact CRL Technical Sales.

#### MAXIMUM DOOR HEIGHTS

- |           |   |
|-----------|---|
| Exterior  | - 96" (2.44 m) for 1/2" (12 mm) Glass Thickness                       |
|           | - 102" (2.59 m) for 3/4" (19 mm) Glass Thickness                      |
| Interior  | - 102" (2.59 m) for 1/2" (12 mm) Glass Thickness                      |
|           | - 108" (2.74 m) for 3/4" (19 mm) Glass Thickness                      |
| Exception | - When using "F" Style Exterior Handle                                |
|           | - 108" (2.74 m) for either 1/2" or 3/4" (12 or 19 mm) Glass Thickness |

See page Z487 for Egress Handle Size limitations.

See page Z488 for Egress Handle details.

#### SPECIFICATIONS:

**Material:**  
1-1/4" (32 mm) Diameter Brass or Stainless Steel Tubing (1.5 mm thick)

**Glass Thicknesses:**  
1/2" (12 mm) or 3/4" (19 mm)

**Glass Fabrication:**  
Please contact CRL Technical Sales

**Certification:**  
UL294-2001 UL Recognized Component  
ULC-S533-2002 ULC Recognized Component  
NFPA 101-2002 Life and Safety Code

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.

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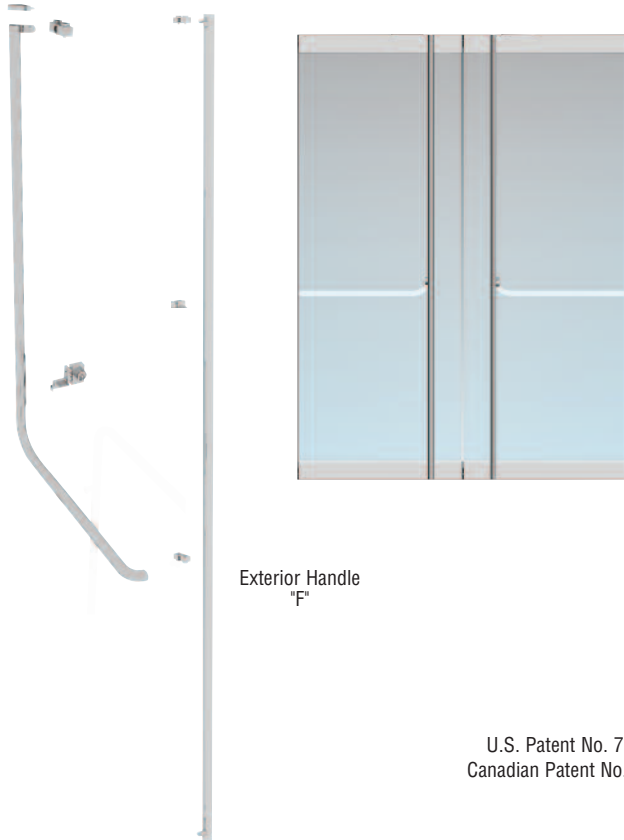
**NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.



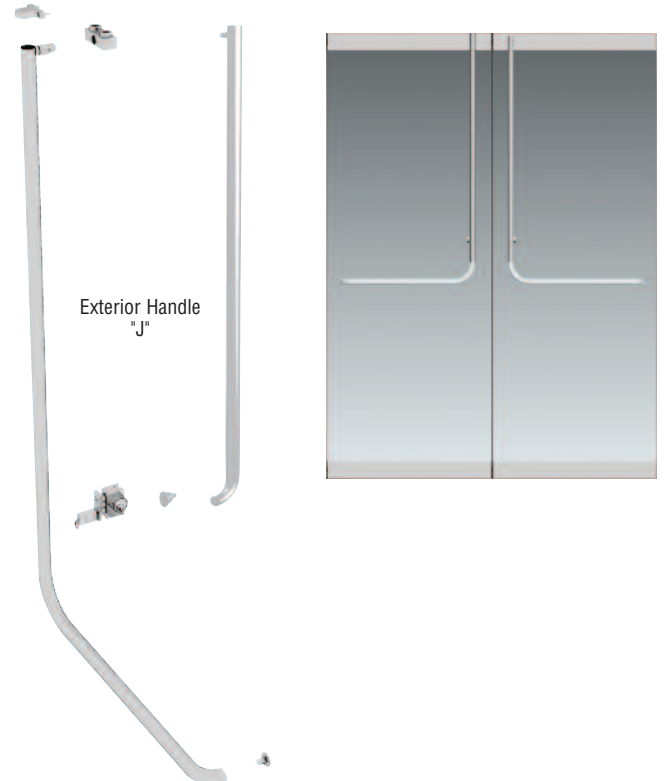
## CRL EG100 Series Egress Control Handles

- UL and ULC Recognized Component
- For 1/2" or 3/4" (12 or 19 mm) Tempered Glass Doors
- Wide Selection of Exterior Fixed Handles
- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order
- Models for Aluminum or Wood Doors Available on Special Order

### CRL EG100F Egress Control Handles



### CRL EG100J Egress Control Handles



U.S. Patent No. 7,347,461  
Canadian Patent No. 2,418,658



CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHALL  
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM  
Listing No. 3774-1603:100

#### ORDERING OPTIONS

When ordering EG100 Series Electronic Egress Control Handles you must specify:

- EG100 (interior mechanism as shown above)
- Exterior Handle Option (F and J shown above, see page Z483 for a complete listing of Optional Exterior Handles)
- Handing (as viewed from the exterior side of the door)
- Rail or Glass Mount
- Glass Thickness
- With or Without Keyed Access Device
- Finish

**NOTE:** Magnetic Locks must be ordered separately. Please Contact CRL Technical Sales.

#### MAXIMUM DOOR HEIGHTS

- |           |   |
|-----------|---|
| Exterior  | - 96" (2.44 m) for 1/2" (12 mm) Glass Thickness                       |
|           | - 102" (2.59 m) for 3/4" (19 mm) Glass Thickness                      |
| Interior  | - 102" (2.59 m) for 1/2" (12 mm) Glass Thickness                      |
|           | - 108" (2.74 m) for 3/4" (19 mm) Glass Thickness                      |
| Exception | - When using "F" Style Exterior Handle                                |
|           | - 108" (2.74 m) for either 1/2" or 3/4" (12 or 19 mm) Glass Thickness |

See page Z487 for Egress Handle Size limitations.

See page Z488 for Egress Handle details.

#### SPECIFICATIONS:

##### Material:

1-1/4" (32 mm) Diameter Brass or Stainless Steel Tubing (1.5 mm thick)

##### Glass Thicknesses:

1/2" (12 mm) or 3/4" (19 mm)

##### Glass Fabrication:

Please contact CRL Technical Sales

##### Certification:

UL294-2001 UL Recognized Component  
ULC-S533-2002 ULC Recognized Component  
NFPA 101-2002 Life and Safety Code

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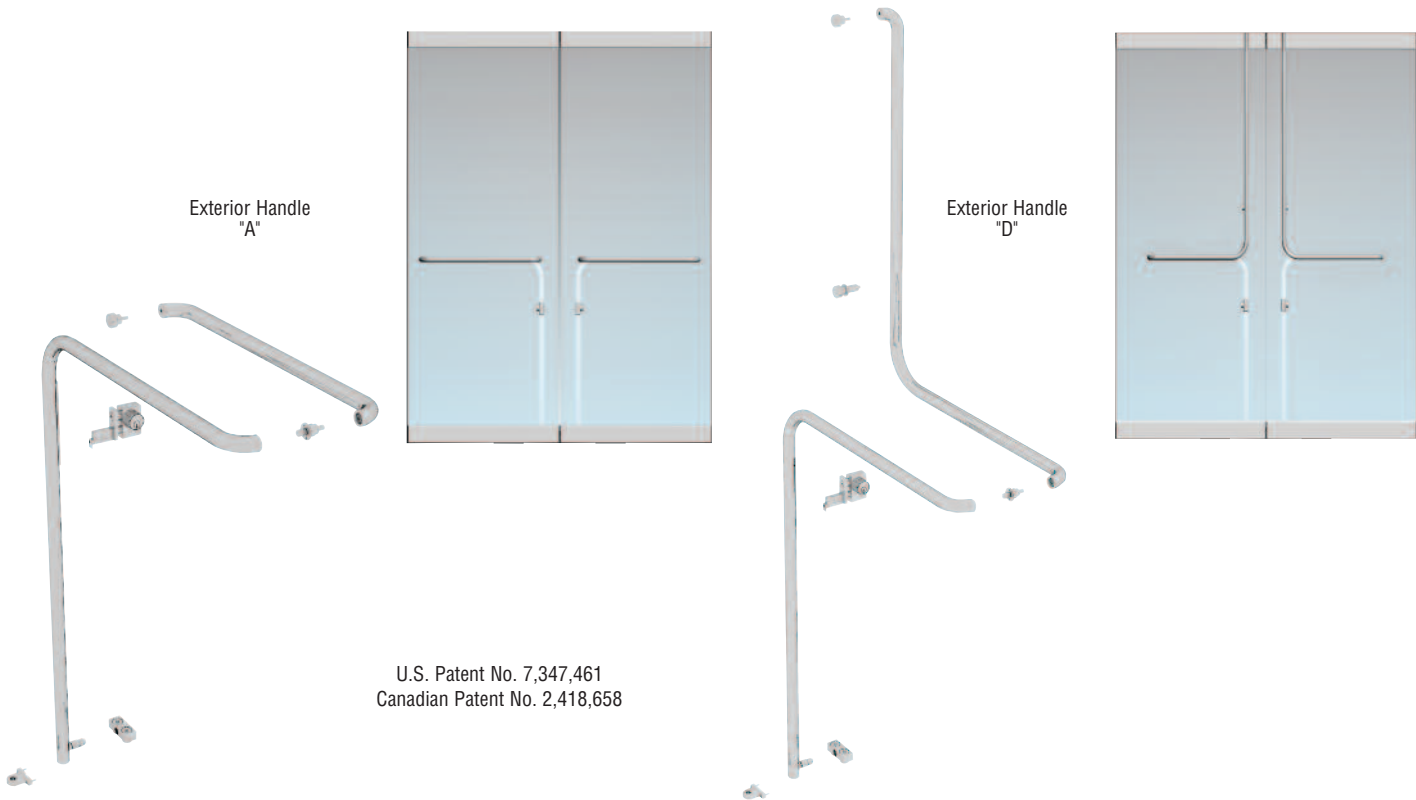


## CRL EG110 Series Egress Control Handles

- UL and ULC Recognized Component
- For 1/2" or 3/4" (12 or 19 mm) Tempered Glass Doors
- Wide Selection of Exterior Fixed Handles
- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order
- Models for Aluminum or Wood Doors Available on Special Order

### CRL EG110A Egress Control Handles

### CRL EG110D Egress Control Handles



U.S. Patent No. 7,347,461  
Canadian Patent No. 2,418,658



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Listing No. 3774-1603:100

#### ORDERING OPTIONS

When ordering EG110 Series Electronic Egress Control Handles you must specify:

- EG110 (interior mechanism as shown above)
- Exterior Handle Option (A and D shown above, see page Z483 for a complete listing of Optional Exterior Handles)
- Handing (as viewed from the exterior side of the door)
- Rail or Glass Mount
- Glass Thickness
- With or Without Keyed Access Device
- Finish

**NOTE:** Magnetic Locks must be ordered separately. Please contact CRL Technical Sales.

#### MAXIMUM DOOR HEIGHTS

- |           |   |
|-----------|---|
| Exterior  | - 96" (2.44 m) for 1/2" (12 mm) Glass Thickness                       |
|           | - 102" (2.59 m) for 3/4" (19 mm) Glass Thickness                      |
| Interior  | - 102" (2.59 m) for 1/2" (12 mm) Glass Thickness                      |
|           | - 108" (2.74 m) for 3/4" (19 mm) Glass Thickness                      |
| Exception | - When using "F" Style Exterior Handle                                |
|           | - 108" (2.74 m) for either 1/2" or 3/4" (12 or 19 mm) Glass Thickness |

See page Z487 for Egress Handle Size limitations.

See page Z488 for Egress Handle details.

#### SPECIFICATIONS:

##### Material:

1-1/4" (32 mm) Diameter Brass or Stainless Steel Tubing (1.5 mm thick)

##### Glass Thicknesses:

1/2" (12 mm) or 3/4" (19 mm)

##### Glass Fabrication:

Please contact CRL Technical Sales

##### Certification:

UL294-2001 UL Recognized Component  
ULC-S533-2002 ULC Recognized Component  
NFPA 101-2002 Life and Safety Code

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## CRL Electronic Egress Control Handle Size Limitations

Increased Sizes Make Door Assemblies Heavier and More Flexible. Therefore, the Following Should Be Considered:

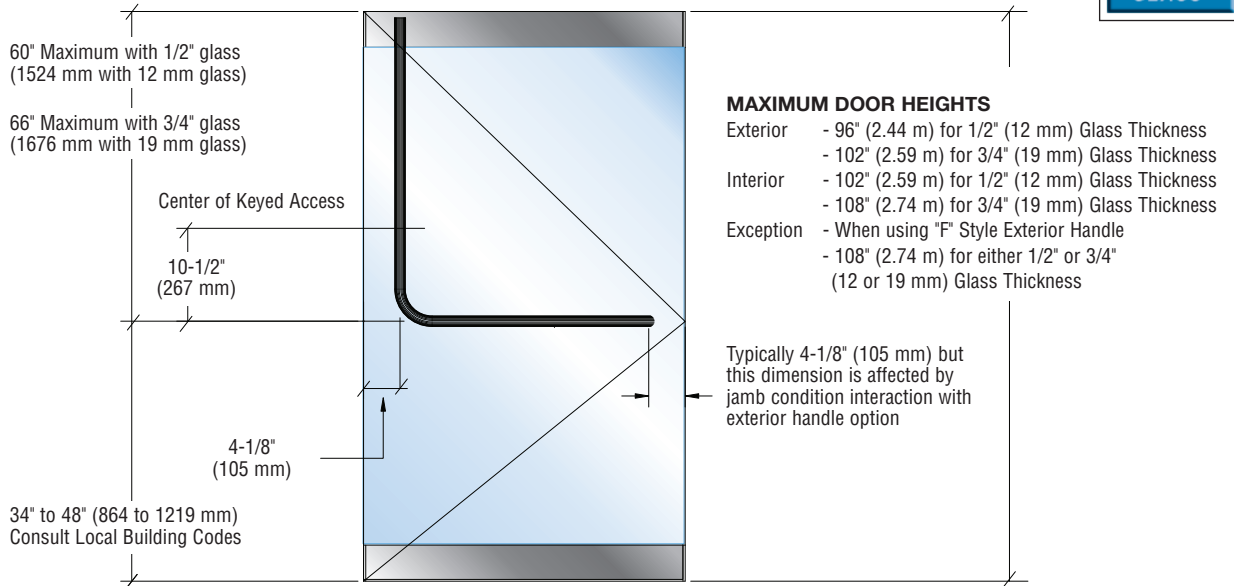
- Wind Load, Stack Pressure, and Ventilation Loads
- Mounting Conditions of Doors to Building Structure
- Deadbolt Locks, Panic Devices, or Other Hardware
- Overhead or Floor Closer Characteristics
- Heavy Usage and Frequency of Operation
- Comfortable Feel and Ease of Door Operation

U.S. Patent No. 7,347,461  
Canadian Patent No. 2,418,658

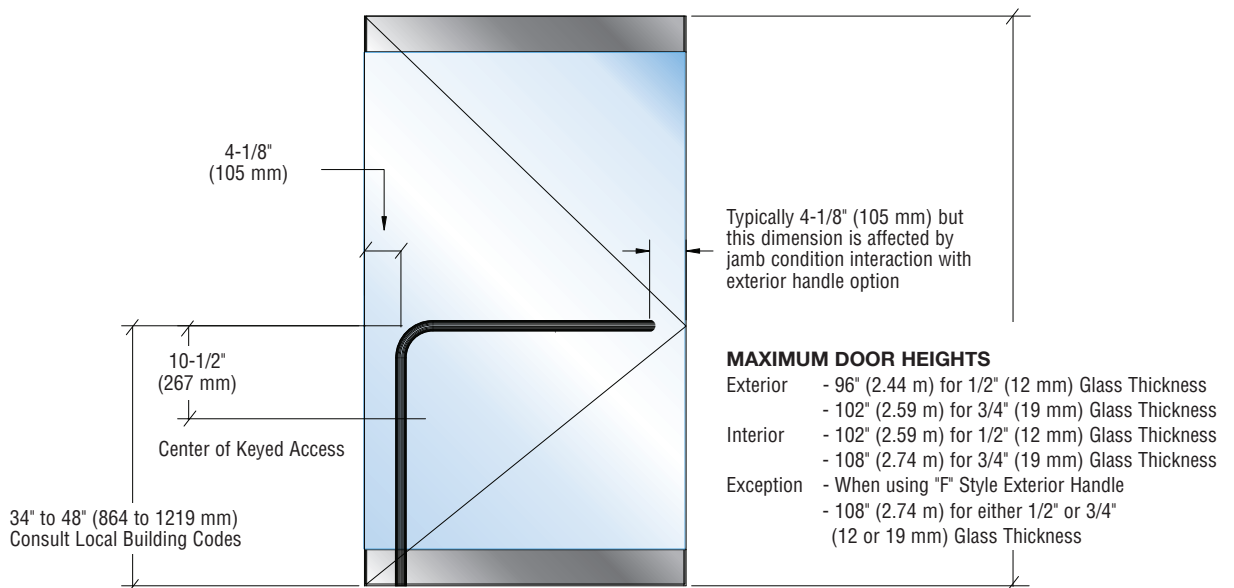


The Architect's Structural Engineer Should Be Consulted So That the Door Design is Correct for the Intended Use

### CRL EG100 Series Egress Control Handles



### CRL EG110 Series Egress Control Handles



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.

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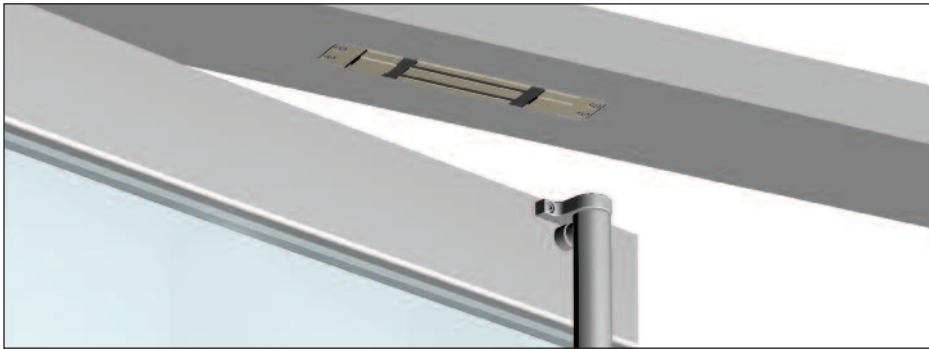
## CRL EG100 Series Electronic Egress Control Handle Details



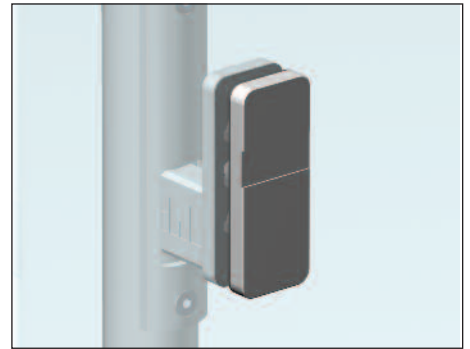
Rail Mount Detail at Header and Wire Loop for EG100



Keyed Access

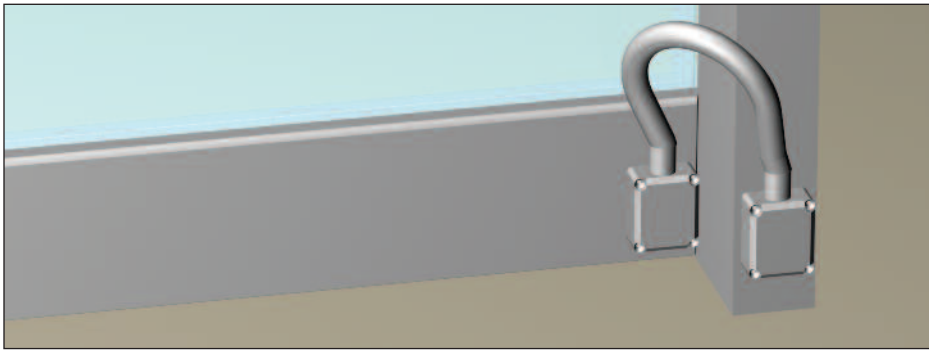


Rail Mount Detail at Top of EG100 With Header and Electromagnetic Shear Lock



Retainer Plate

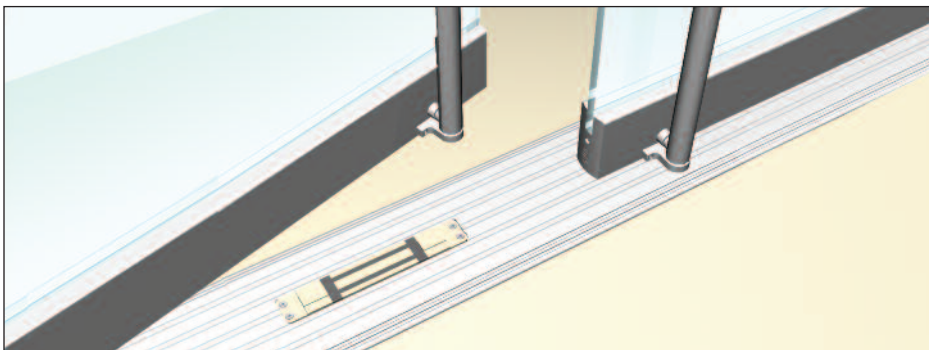
## CRL EG110 Series Electronic Egress Control Handle Details



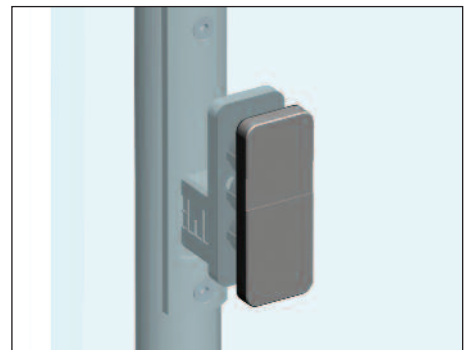
Rail Mount Detail at Sill/Jamb and Wire Loop for EG110



Keyed Access



Rail Mount Detail at Bottom of EG110 With Threshold and Electromagnetic Shear Lock



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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

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## CRL Electric Strikes, Magnetic Locks, and Accessories

- Large Inventories, Ready to Ship
- Available in 12 or 24 Volt DC Models
- Work With CRL Access Control Systems
- Expert Technical Assistance Available

CRL Standard  
Surface Mounted Single  
Electromagnetic Lock



CRL Headers  
Prepped for Door  
Closers and Locks

CRL Electric Strike

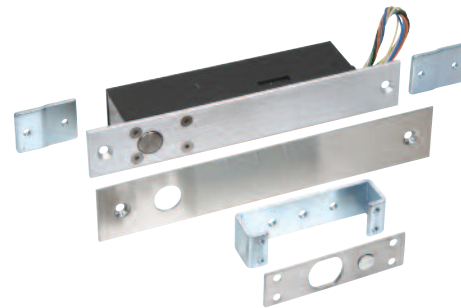


CRL Folger Adam® 310-1  
Fail Safe and Non-Fail  
Safe Electric Strikes

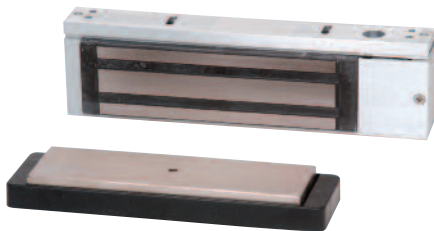


CRL Standard Surface  
Mounted Double  
Electromagnetic Lock

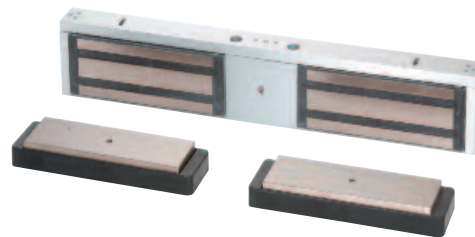
Visit [crlaurence.com](http://crlaurence.com)  
for detailed information  
on these and many other  
options for your Access  
Control needs.



CRL Electric  
Solenoid Bolt Lock



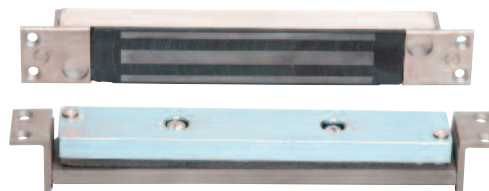
CRL Locknetics®  
Surface Mounted Single  
Electromagnetic Lock



CRL Locknetics®  
Surface Mounted Double  
Electromagnetic Lock



CRL Locknetics®  
Electromagnetic  
Mortise Shear Lock



CRL Securitron®  
Electromagnetic  
Mortise Magnalock

To contact CRL Technical Sales call (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 home page of [crlaurence.com](http://crlaurence.com) click on Contact Us, and then click on Technical Sales for Commercial Products.



## CRL Straight Style Ladder Pulls

- Eleven Sizes in Two Popular Finishes for 3/8" to 3/4" (10 to 19 mm) Glass or 1-3/4" (44 mm) Aluminum Doors
- Extra Height for Eye-Catching Contemporary and Elegant Appearance
- 1-1/4" (32 mm) Diameter Heavy Wall 304 Alloy Stainless Steel Tubing
- Custom Finishes and Sizes Available



CRL Ladder Style Pull Handles add elegance and eye-catching appeal to commercial glass doors. They are designed for back-to-back mounting with supplied through-bolts.

Ladder Style Pulls are intended for use with full size glass doors made from 3/8" to 3/4" (10 to 19 mm) thick tempered glass. Fasteners are included for mounting back-to-back on 1-3/4" (44 mm) thick aluminum doors as well. Stock sizes range from 24" to 84" (610 to 2134 mm) overall height. Standard finishes are polished stainless and brushed stainless.

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](http://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, or 1-3/4" (44 mm) Aluminum Doors

#### Construction:

1-1/4" (32 mm) Diameter Stainless Steel Tubing

#### Glass Fabrication Required:

Two 5/8" (16 mm) Diameter Holes

### STRAIGHT STYLE LADDER PULL HANDLES

CAT. NO.	OVERALL LENGTH	MOUNTING HOLES CENTER-TO-CENTER	FINISH
24LPSS	24" (610 mm)	12" (305 mm)	Polished Stainless
24LPBS	24" (610 mm)	12" (305 mm)	Brushed Stainless
30LPSS	30" (762 mm)	18" (457 mm)	Polished Stainless
30LPBS	30" (762 mm)	18" (457 mm)	Brushed Stainless
36LPSS	36" (914 mm)	24" (610 mm)	Polished Stainless
36LPBS	36" (914 mm)	24" (610 mm)	Brushed Stainless
42LPSS	42" (1067 mm)	30" (762 mm)	Polished Stainless
42LPBS	42" (1067 mm)	30" (762 mm)	Brushed Stainless
48LPSS	48" (1219 mm)	36" (914 mm)	Polished Stainless
48LPBS	48" (1219 mm)	36" (914 mm)	Brushed Stainless
54LPSS	54" (1372 mm)	42" (1067 mm)	Polished Stainless
54LPBS	54" (1372 mm)	42" (1067 mm)	Brushed Stainless
60LPSS	60" (1524 mm)	48" (1219 mm)	Polished Stainless
60LPBS	60" (1524 mm)	48" (1219 mm)	Brushed Stainless
66LPSS	66" (1676 mm)	54" (1372 mm)	Polished Stainless
66LPBS	66" (1676 mm)	54" (1372 mm)	Brushed Stainless
72LPSS	72" (1829 mm)	60" (1524 mm)	Polished Stainless
72LPBS	72" (1829 mm)	60" (1524 mm)	Brushed Stainless
78LPSS	78" (1981 mm)	66" (1676 mm)	Polished Stainless
78LPBS	78" (1981 mm)	66" (1676 mm)	Brushed Stainless
84LPSS	84" (2134 mm)	72" (1829 mm)	Polished Stainless
84LPBS	84" (2134 mm)	72" (1829 mm)	Brushed Stainless

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing. Additional holes required if extra Mid-Posts added (see top right).

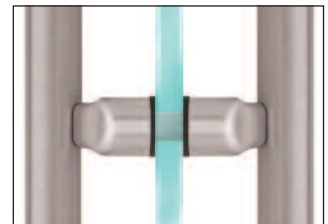
Straight Style

Optional Extra Mid-Posts give added strength to very long Ladder Pulls. Must be factory-installed. Call for details.



### Offset Mid-Posts

Optional Offset Mid-Posts are available to convert Straight Style Ladder Pulls to Offset Mount. Two pair per set. Minimum order is one set.

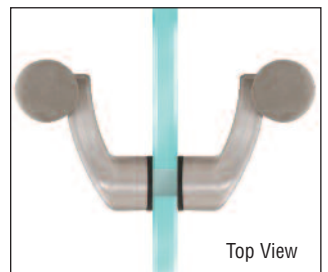


### CAT. NO. LPOPS

Polished Stainless Offset Mid-Posts

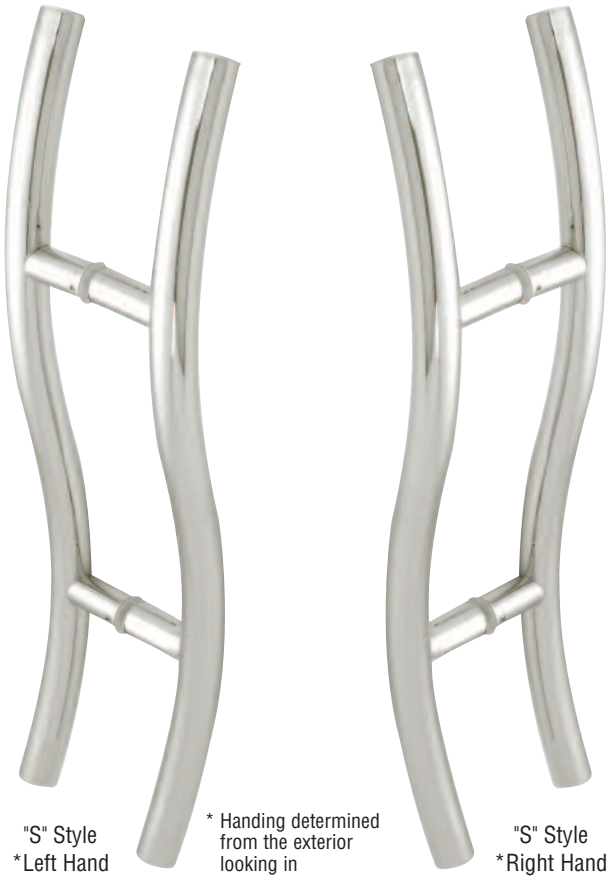
### CAT. NO. LPOBS

Brushed Stainless Offset Mid-Posts



Top View

## CRL "S" Style Ladder Pulls



- 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 Style Pull Handles are for back-to-back mounting with supplied through-bolts.

"S" Style Ladder Style Pulls are intended for use with full size glass 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](http://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

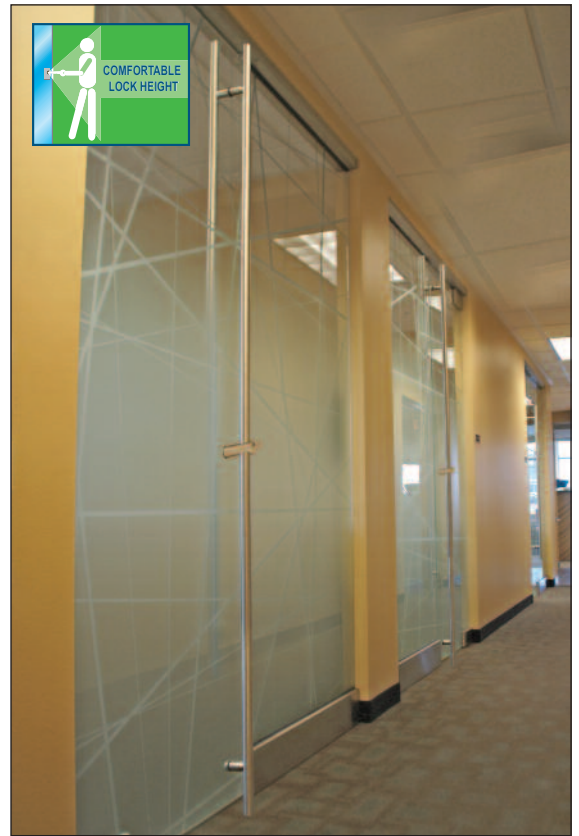
CAT. NO.	HANDING *	OVERALL LENGTH	MOUNTING HOLES		FINISH
			CENTER-TO-CENTER		
24SLPPS	Left Hand	24" (610 mm)	12" (305 mm)		Polished Stainless
24SLPBS	Left Hand	24" (610 mm)	12" (305 mm)		Brushed Stainless
24SRPPS	Right Hand	24" (610 mm)	12" (305 mm)		Polished Stainless
24SRPBS	Right Hand	24" (610 mm)	12" (305 mm)		Brushed Stainless
36SLPPS	Left Hand	36" (914 mm)	24" (610 mm)		Polished Stainless
36SLPBS	Left Hand	36" (914 mm)	24" (610 mm)		Brushed Stainless
36SRPPS	Right Hand	36" (914 mm)	24" (610 mm)		Polished Stainless
36SRPBS	Right Hand	36" (914 mm)	24" (610 mm)		Brushed Stainless
48SLPPS	Left Hand	48" (1219 mm)	36" (914 mm)		Polished Stainless
48SLPBS	Left Hand	48" (1219 mm)	36" (914 mm)		Brushed Stainless
48SRPPS	Right Hand	48" (1219 mm)	36" (914 mm)		Polished Stainless
48SRPBS	Right Hand	48" (1219 mm)	36" (914 mm)		Brushed Stainless

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing. "S" Style Handles exceeding 48" (1219 mm) overall length must be discussed with CRL Technical Sales to determine proper application.

## CRL Locking Ladder Pulls

- Locks Operate at a Comfortable Height Above the Floor
- No Kneeling or Bending to Lock or Unlock Doors
- Seven 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 - All Units

**new**



The newest and most practical option for 'all-glass' entrances is CRL's new 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 1/2" (10 to 12 mm) thick tempered glass.

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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

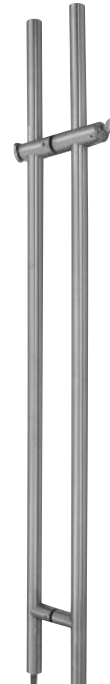
Vertical Double Locking Ladder Pulls



Horizontal Locking Ladder Pulls



Vertical Double Locking Ladder Pulls



Vertical Floor Locking Ladder Pulls



# CRL LOCKING LADDER PULLS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 53" Locking Ladder Pulls

- Locks Into the Floor Only
- Lock Operates at a Comfortable 47-1/4" (1200 mm) Above the Floor
- Available in Brushed Stainless or With Black Leather Wrapped Handle\*
- 1" (25 mm) Diameter Alloy 316 Stainless Steel Tubing

**new**



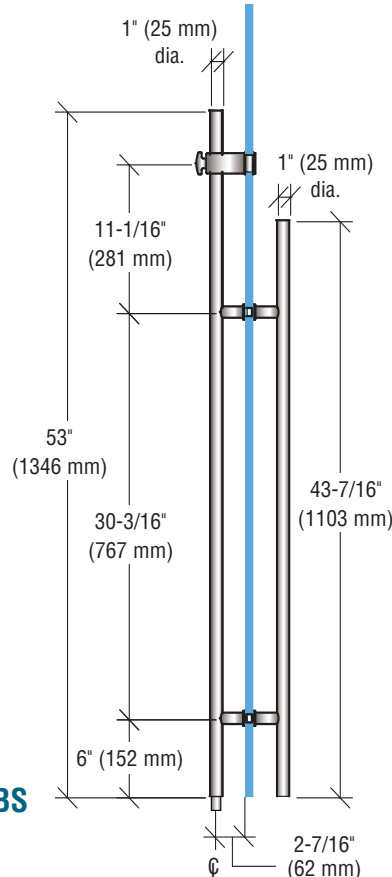
Interior Installation With Black Leather Wrapped Locking Ladder Pull Handles

Our new 53" (1346 mm) Locking Ladder Pulls have a fully concealed deadbolt locking mechanism that is operated at 47-1/4" (1200 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 with each Locking Ladder Pull. 7-Pin Small Format Interchangeable Cores (SFIC) are sold separately (see page Z437). **NOTE:** Glass fabrication is required. Please visit [crlaurence.com](http://crlaurence.com) for details. See page Z507 for Push/Pull Indicators in complementary finishes.



\* Leather Wrapped Handles are for Interior Applications Only

Floor Locking Only



Easy to Operate Designer Thumbturn



7-Pin Small Format Interchangeable Cores (SFIC) for easy re-keying of handles. See page Z437 for additional information on Cylinder Cores sold separately.

**\*CAT. NO. LLP053LBS**

Brushed Stainless Steel Locking Ladder Pull Handle with Black Leather Wrap

**CAT. NO. LLP053BS**

Brushed Stainless Steel Locking Ladder Pull Handle

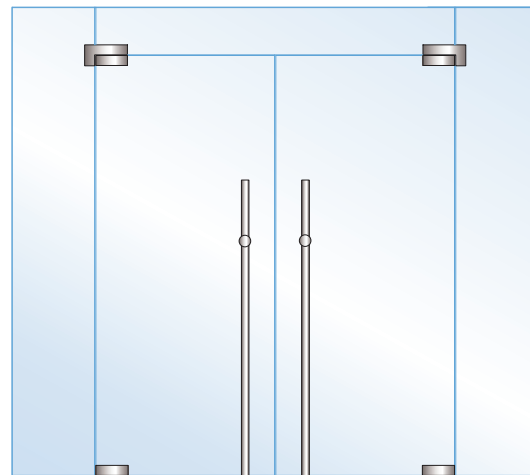
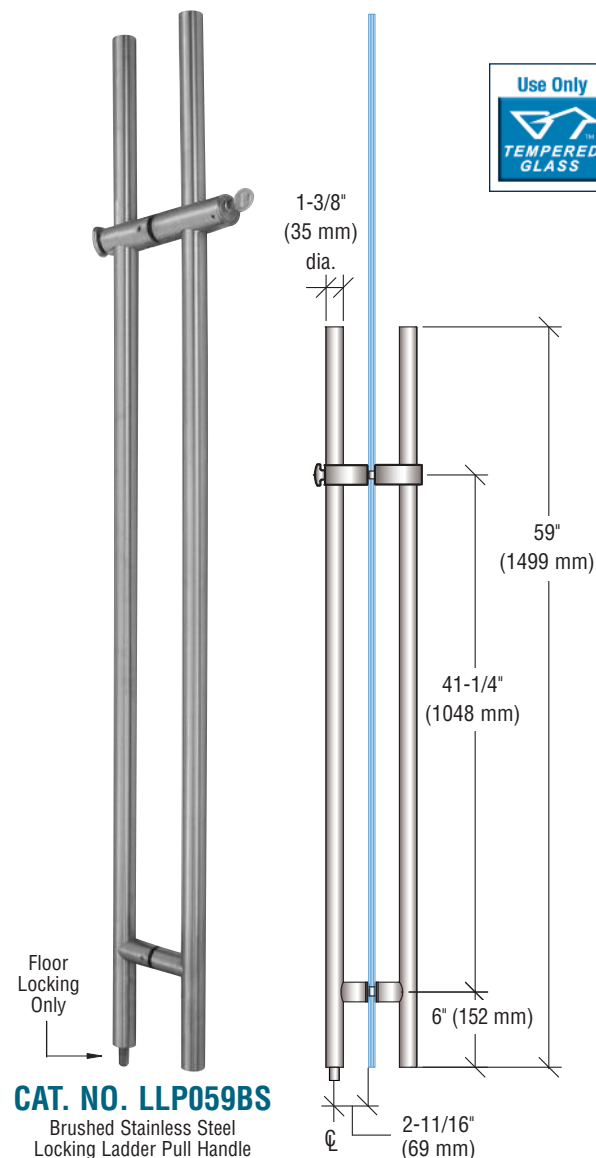
## CRL 59" Locking Ladder Pull

- Locks Into the Floor Only
- Lock Operates at a Comfortable 47-1/4" (1200 mm) Above the Floor
- 1-3/8" (35 mm) Diameter Alloy 316 Brushed Stainless Steel Tubing

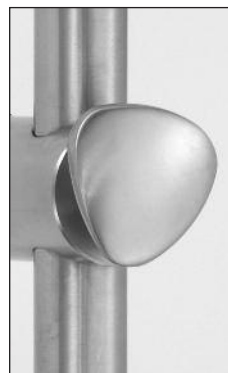
**new**



Our new Locking Ladder Pulls have a fully concealed deadbolt locking mechanism that is operated at 47-1/4" (1200 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 with each Locking Ladder Pull. 7-Pin Small Format Interchangeable Cores (SFIC) are sold separately (see page Z437). **NOTE:** Glass fabrication is required. Please visit [crlaurence.com](http://crlaurence.com) for details. See page Z507 for Push/Pull Indicators in complementary finishes.



Double Door Installations Require Two Locking Handles



Easy to Operate Designer Thumbturn



7-Pin Small Format Interchangeable Cores (SFIC) for easy re-keying of handles. See page Z437 for additional information on Cylinder Cores sold separately.

# CRL LOCKING LADDER PULLS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 84" Double Locking Ladder Pull

- Locks at Both Top and Bottom
- Lock Operates at a Comfortable 47-1/4" (1200 mm) Above the Floor
- 1-3/8" (35 mm) Diameter Alloy 316 Brushed Stainless Steel Tubing



Our new Double Locking Ladder Pulls have a fully concealed deadbolt locking mechanism that is operated at 47-1/4" (1200 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 both at the header or transom and floor for ultimate security. Available in brushed stainless steel. Two Cat. No. 58DKBS Dustproof Keepers are included with each Locking Ladder Pull. Optional Ladder Keepers for glass transoms are available separately (see top right). 7-Pin Small Format Interchangeable Cores (SFIC) are sold separately (see page Z437). **NOTE:** Glass fabrication is required. Please visit [crlaurence.com](http://crlaurence.com) for details. See page Z507 for Push/Pull Indicators in complementary finishes.



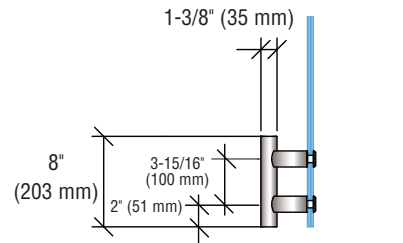
Double Door Installations Require Two Locking Handles



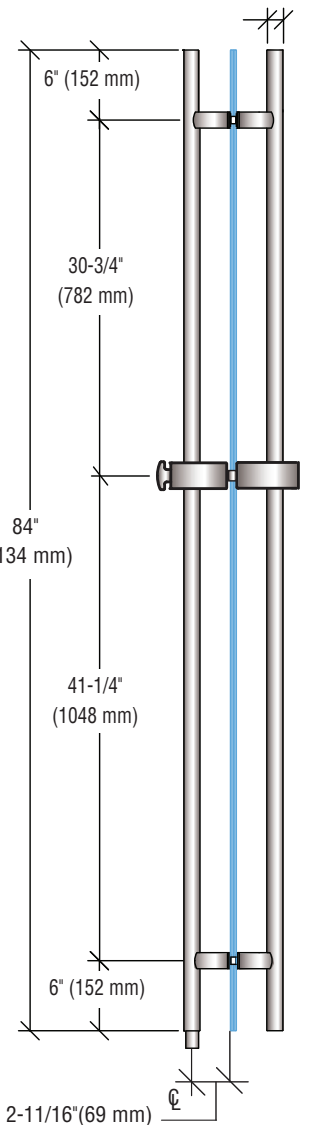
**new**

### CAT. NO. LPK1BS

1-3/8" (35 mm) Diameter  
Brushed Stainless  
Ladder Keeper  
(see page Z499 for more options)

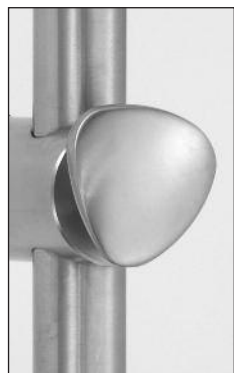


1-3/8" (35 mm) dia.



### CAT. NO. LLP084BS

Brushed Stainless Steel Double  
Locking Ladder Pull Handle



Easy to Operate Designer  
Thumbturn



7-Pin Small Format Interchangeable Cores (SFIC) for easy re-keying of handles. See page Z437 for additional information on Cylinder Cores sold separately.

Double  
Locking  
Top and  
Bottom



# CRL LOCKING LADDER PULLS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL 55" Triangular Locking Ladder Pulls **new**

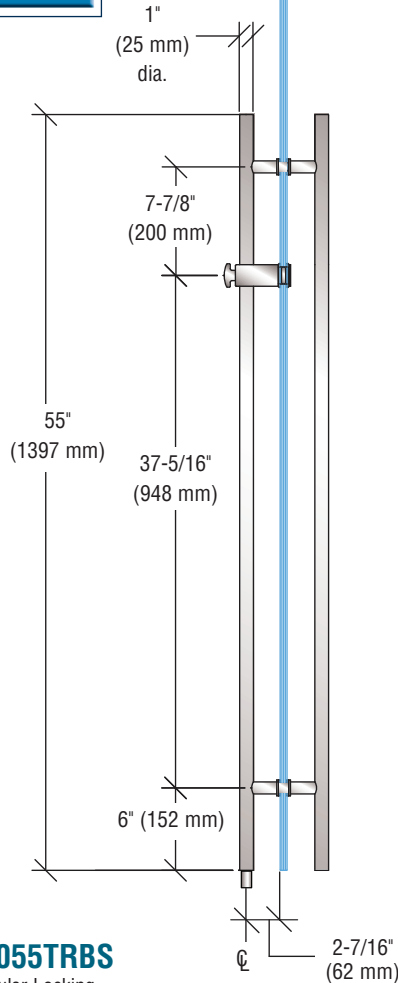
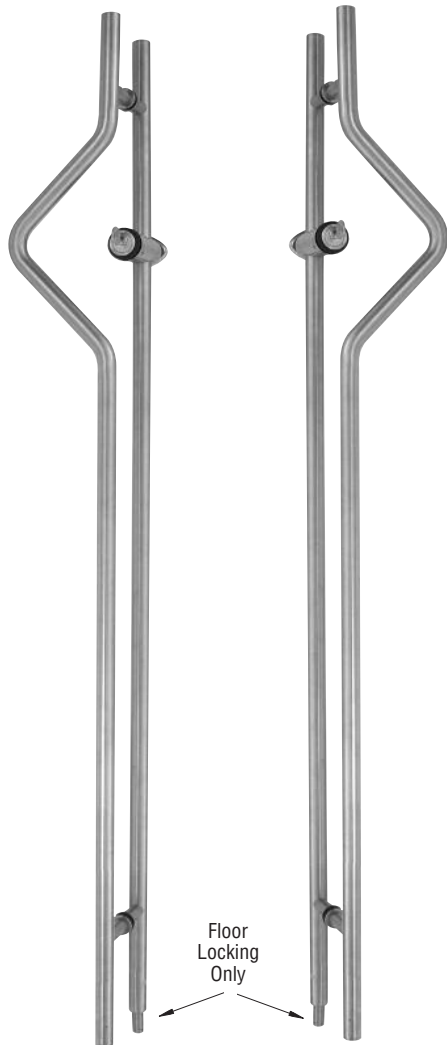
- Locks Into the Floor Only
- Left and Right Hand Models for Single and Double Doors
- 1" (25 mm) Diameter Alloy 316 Brushed Stainless Steel Tubing



Our new 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 with each Locking Ladder Pull. Key Cylinder Cores are sold separately (see page Z437). **NOTE:** Glass fabrication is required. Please visit [crlaurence.com](http://crlaurence.com) for details. 7-Pin Small Format Interchangeable Cores (SFIC) are sold separately (see page Z437). **NOTE:** Glass fabrication is required. Please visit [crlaurence.com](http://crlaurence.com) for details. See page Z507 for Push/Pull Indicators in complementary finishes.



Single Door Installation With Right Hand Locking Handle



Easy to Operate Designer Thumbturn



7-Pin Small Format Interchangeable Cores (SFIC) for easy re-keying of handles. See page Z437 for additional information on Cylinder Cores sold separately.

**CAT. NO. LLP055TLBS**  
\* Left Hand Triangular Locking Ladder Pull Handle

**CAT. NO. LLP055TRBS**  
\* Right Hand Triangular Locking Ladder Pull Handle



**C.R. LAURENCE COMPANY**

2496 |

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[crlaurence.com](http://crlaurence.com)

## CRL 84" Triangular Double Locking Ladder Pulls

- Locks at Both Top and Bottom
- Left and Right Hand Models for Single and Double Doors
- 1" (25 mm) Diameter Alloy 316 Brushed Stainless Steel Tubing

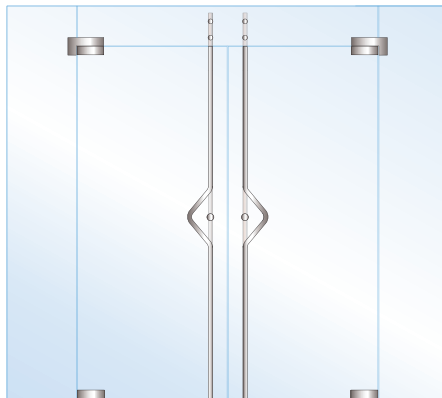


**new**

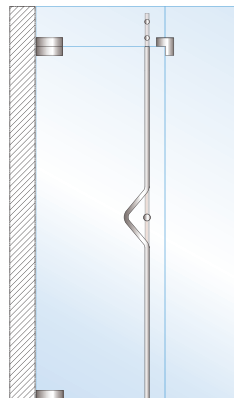
**CAT. NO. LPK4BS**

1" (25 mm) Diameter  
Brushed Stainless  
Ladder Keeper

Our new 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 both at the header or transom and floor for ultimate security. Available in brushed stainless steel. Two Cat. No. 58DKBS Dustproof Keepers are included with each Locking Ladder Pull. Keepers for glass transoms are available separately (see top right). 7-Pin Small Format Interchangeable Cores (SFIC) are sold separately (see page Z437). **NOTE:** Glass fabrication is required. Please visit [crlaurence.com](http://crlaurence.com) for details. See Page Z507 for Push/Pull Indicators in complementary finishes.



Double Door Installations Require One Left and One Right Hand Locking Handle



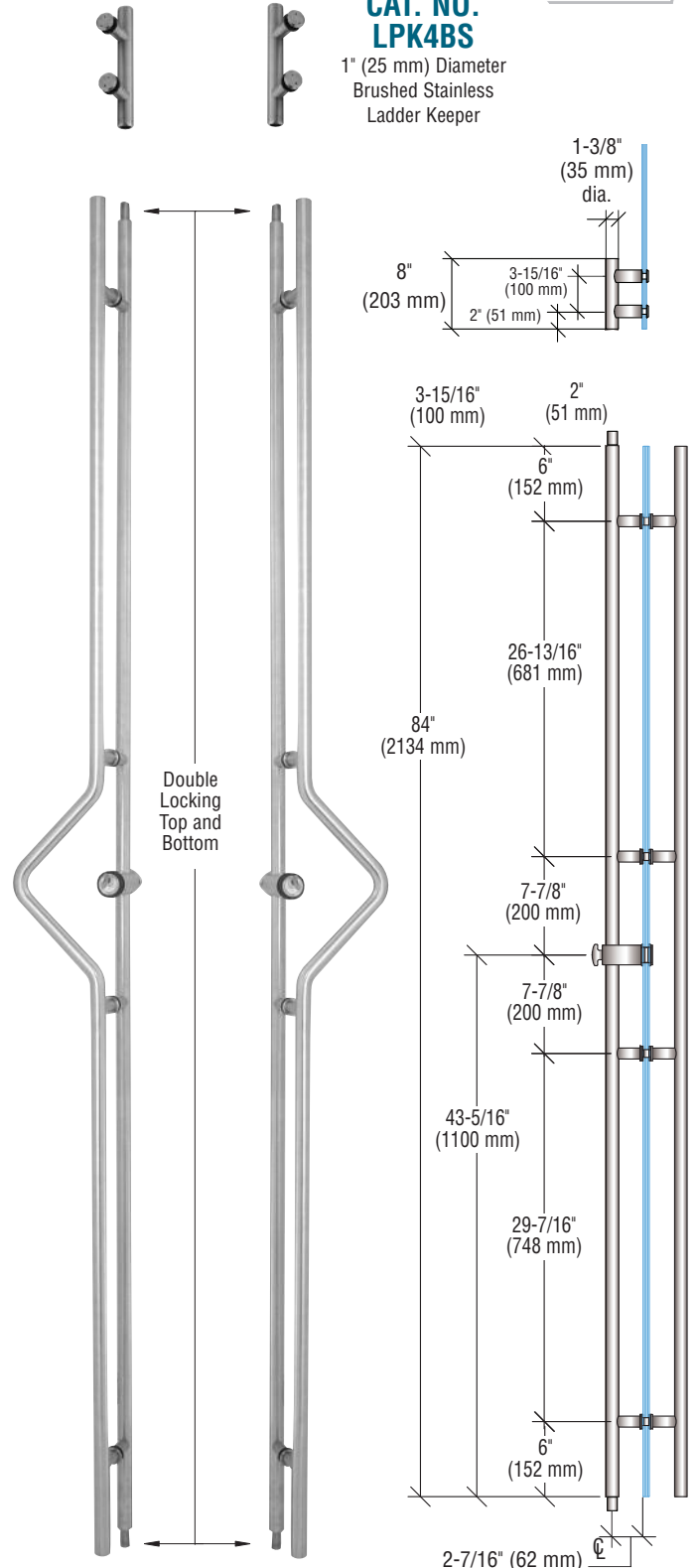
Single Door Installations Require One Left or Right Handed Locking Handle



Easy to Operate Designer Thumbturn



7-Pin Small Format Interchangeable Cores (SFIC) for easy re-keying of handles. See page Z437 for additional information on Cylinder Cores sold separately.



**CAT. NO. LLP084TLBS**

\* Left Hand Brushed Stainless Triangular Double Locking Ladder Pull Handle

**CAT. NO. LLP084TRBS**

\* Right Hand Brushed Stainless Triangular Double Locking Ladder Pull Handle

\* Handing is determined from the exterior looking in

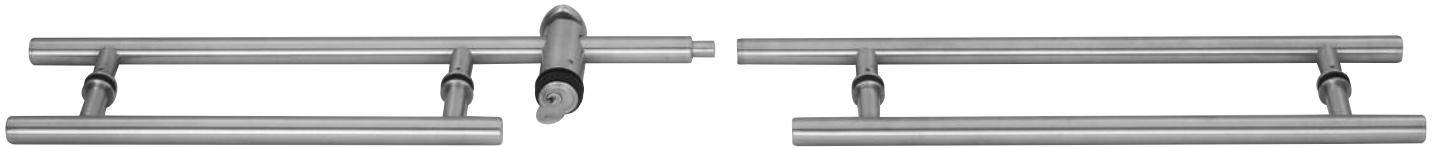
## CRL 24" Horizontal Locking Ladder Pull and Keeper

- Horizontal Locking Ladder Pull Handle for Contemporary Look
- Can Be Used on Double and Single Doors
- 1" (25 mm) Diameter Alloy 316 Brushed Stainless Steel Tubing



Our new 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 with each Locking Ladder Pull. Matching Horizontal Keeper Ladder Pull Handles are sold separately (see below). Key Cylinder Cores are available (see page Z437). **NOTE:** Glass fabrication is required. Please visit [crlaurence.com](http://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. See page Z507 for Push/Pull Indicators in complementary finishes.

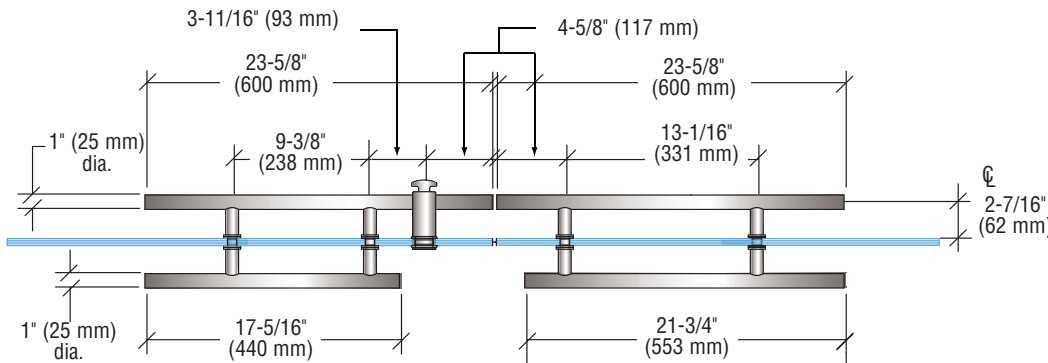


### CAT. NO. LLP024BS

Horizontal Locking Ladder Pull Handle

### CAT. NO. LPK3BS

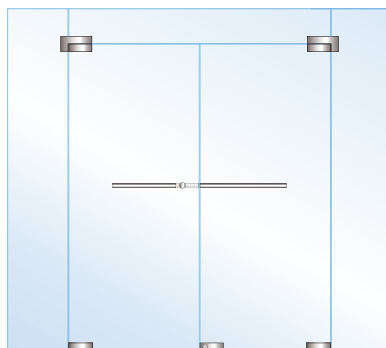
Horizontal Keeper Ladder Pull Handle



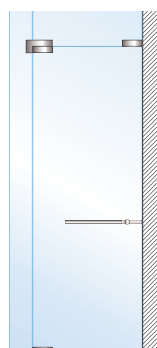
Easy to Operate Designer Thumbturn



7-Pin Small Format Interchangeable Cores (SFIC) for easy re-keying of handles. See page Z437 for additional information on Cylinder Cores sold separately.



Double Door Installations Require One Locking Handle and One Keeper Handle, as well as a Bottom Patch Lock Installed on the Inactive Leaf to Properly Secure the Pair of Doors



Single Door Installations Require One Locking Handle and a Dustproof Keeper

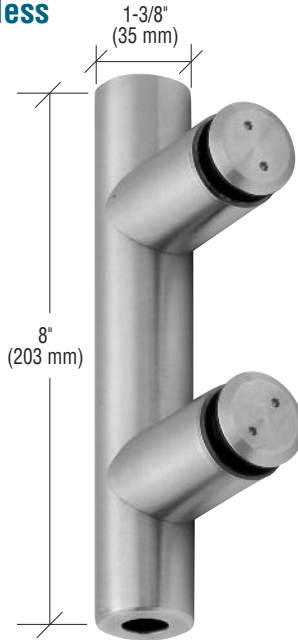


## CRL 1-3/8" (35 mm) Ladder Keeper

- 1-3/8" (35 mm) Diameter Alloy 316 Brushed Stainless Steel Tubing

**new**

This Ladder Keeper is designed to work with Cat. No. LLP084BS Locking Ladder Pulls only when used with a glass transom. Intended for use with 3/8" to 1/2" (10 to 12 mm) tempered glass. Brushed stainless steel finish to complement the Locking Ladder Pulls. Please visit [crlaurence.com](http://crlaurence.com) for information on Cat. No. USW10 Universal Spanner Wrench. Minimum order is one each.



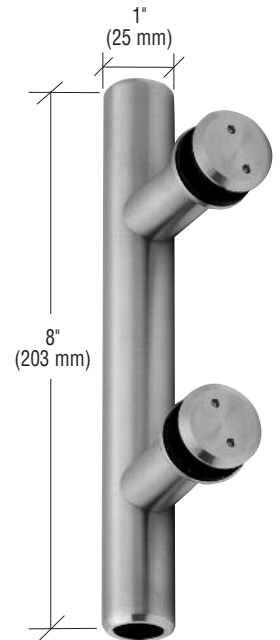
CAT. NO. LPK1BS

## CRL 1" (25 mm) Ladder Keeper

- 1" (25 mm) Diameter Alloy 316 Brushed Stainless Steel Tubing

**new**

This Ladder Keeper is designed to work with Cat. No.'s LLP084TLBS, LLP084TRBS, and LLP024BS Locking Ladder Pulls only when used with a glass transom or sidelite. Intended for use with 3/8" to 1/2" (10 to 12 mm) tempered glass. Brushed stainless steel finish to complement the Locking Ladder Pulls. Please visit [crlaurence.com](http://crlaurence.com) for information on Cat. No. USW10 Universal Spanner Wrench. Minimum order is one each.



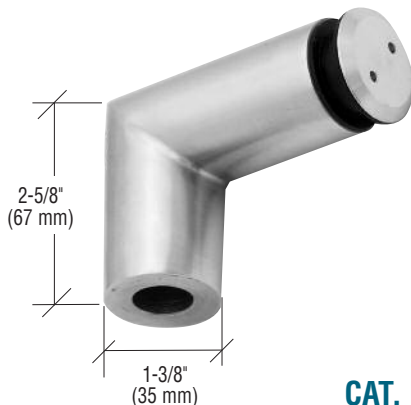
CAT. NO. LPK4BS

## CRL 1-3/8" (35 mm) Single Hole Keeper

**new**

- 1-3/8" (35 mm) Diameter Alloy 316 Brushed Stainless Steel Tubing

This Keeper only requires a single hole in the glass. It is designed to work with Cat. No. LLP084BS Locking Ladder Pulls only when used with a glass transom. Intended for use with 3/8" to 1/2" (10 to 12 mm) tempered glass. Brushed stainless steel finish to complement the Locking Ladder Pulls. Please visit [crlaurence.com](http://crlaurence.com) for information on Cat. No. USW10 Universal Spanner Wrench. Minimum order is one each.



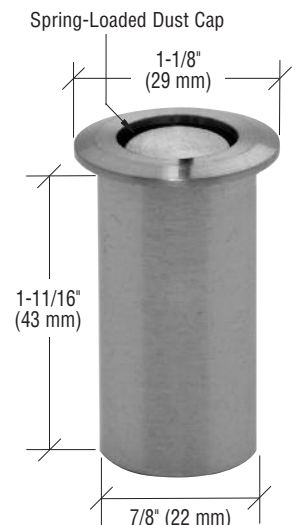
CAT. NO. LPK2BS

## CRL Dustproof Keeper

**new**

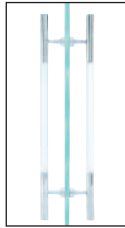
- For CRL Locking Ladder Pulls
- Accepts 5/8" (16 mm) Throw Bolt
- Alloy 316 Brushed Stainless Steel

Our new Dustproof Keeper is intended to work with all CRL Locking Ladder Pulls with a concealed deadbolt locking mechanism. Brushed stainless steel finish. Requires a hole 1" (25 mm) in diameter by 1-7/8" (48 mm) deep. Minimum order is one each.



CAT. NO. 58DKBS

## 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, 18" (457 mm) Center-to-Center

#### Overall Length:

24-1/2" (622 mm)



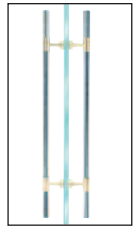
### INCLUDES:

- 2 Each: Through-Bolts for Glass Mounting
- 4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets

CAT. NO.	FINISH
CA18X18BR	Polished Brass
CA18X18PS	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 Acrylic Full Inserts



### SPECIFICATIONS:

#### For Use With:

3/8" to 3/4" (10 to 19 mm) Glass

#### Construction:

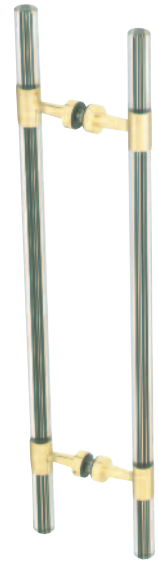
1" (25 mm) Diameter Stainless Steel or Brass Tubing with Acrylic Full Insert (Accent Lines in Acrylic)

#### Glass Fabrication Required:

Two 5/8" (16 mm) Diameter Holes, 18" (457 mm) Center-to-Center

#### Overall Length:

7" (685 mm)



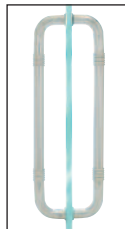
### INCLUDES:

- 2 Each: Through-Bolts for Glass Mounting
- 4 Each: 1-1/4" (32 mm) Diameter Matching Metal Finish Washers and Rubber Gaskets

CAT. NO.	FINISH
CB18X18BR	Polished Brass
CB18X18PS	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



### 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, 18" (457 mm) Center-to-Center

#### Overall Length:

19" (483 mm)



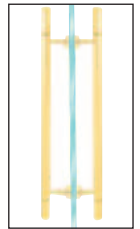
### INCLUDES:

- 2 Each: Through-Bolts for Glass Mounting
- 4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets

CAT. NO.	FINISH
CR18X18BR	Polished Brass
CR18X18PS	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, 18" (457 mm) Center-to-Center

#### Overall Length:

25" (635 mm)



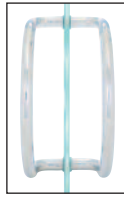
### INCLUDES:

- 2 Each: Through-Bolts for Glass Mounting
- 4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets

CAT. NO.	FINISH
CT18X18BR	Polished Brass
CT18X18PS	Polished Stainless
CT18X18BS	Brushed Stainless

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

## CRL Glass Mounted Curved 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, 12" (305 mm) Center-to-Center

### 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:

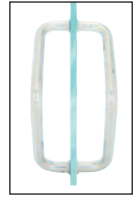
#### CAT. NO. DESCRIPTION

- 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.	FINISH
<b>CC12X12BS</b>	Brushed Stainless
<b>CC12X12PS</b>	Polished Stainless
<b>CC12X12BR</b>	Polished Brass
<b>CC12X12DU</b>	Dark Bronze Anodized

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

## 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, 12" (305 mm) Center-to-Center

### 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:

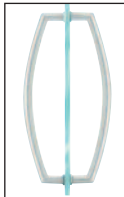
#### CAT. NO. DESCRIPTION

- 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.	FINISH
<b>CV12X12BS</b>	Brushed Stainless
<b>CV12X12PS</b>	Polished Stainless
<b>CV12X12BR</b>	Polished Brass

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

## CRL Glass Mounted Bracket 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 Tubing

#### Glass Fabrication Required:

Two 5/8" (16 mm) Diameter Holes, 16-3/4" (425 mm) Center-to-Center

### INCLUDES:

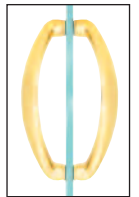
- 2 Each: Through-Bolts for Glass Mounting
- 4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets



CAT. NO.	FINISH
<b>CX17X17BS</b>	Brushed Stainless
<b>CX17X17PS</b>	Polished Stainless

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

## 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, 10" (254 mm) Center-to-Center

### 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.	FINISH
<b>CQ10X10CH</b>	Chrome Plated
<b>CQ10X10BR</b>	Polished Brass
<b>CQ10X10BSC</b>	Brushed Satin Chrome
<b>CQ10X10BN</b>	Brushed Nickel
<b>CQ10X10PN</b>	Polished Nickel
<b>CQ10X10ABR</b>	Antique Brass
<b>CQ10X10GP</b>	Gold Plated
<b>CQ10X10ORB</b>	Oil Rubbed Bronze

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.



# CRL GLASS MOUNTED DOOR HANDLES

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## 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).

#### Glass Fabrication Required:

Two 5/8" (16 mm) Diameter Holes,  
10x10: 10" (254 mm) Center-to-Center  
12x12: 12" (305 mm) Center-to-Center  
18x18: 18" (457 mm) Center-to-Center  
24x24: 24" (610 mm) Center-to-Center

### INCLUDES:

- 2 Each: Through-Bolts for Glass Mounting
- 4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets



Straight

Offset

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

### STRAIGHT BACK-TO-BACK PULL HANDLES

CAT. NO.	SIZE	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

CAT. NO.	SIZE	FINISH
CD10X10BS	10" (254 mm)	Brushed Stainless
CD10X10PS	10" (254 mm)	Polished Stainless
CD10X10BR	10" (254 mm)	Polished Brass
CD10X10SA	10" (254 mm)	Satin Anodized
CD10X10DU	10" (254 mm)	Dark Bronze Anodized
CD12X12BS	12" (305 mm)	Brushed Stainless
CD12X12PS	12" (305 mm)	Polished Stainless
CD12X12BR	12" (305 mm)	Polished Brass
CD12X12SA	12" (305 mm)	Satin Anodized
CD12X12DU	12" (305 mm)	Dark Bronze Anodized
CD18X18BS	18" (457 mm)	Brushed Stainless
CD18X18PS	18" (457 mm)	Polished Stainless
CD18X18BR	18" (457 mm)	Polished Brass
CD24X24BS125*	24" (610 mm)	Brushed Stainless

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,  
10x10: 10" (254 mm) Center-to-Center;  
12x12: 12" (305 mm) Center-to-Center

### INCLUDES:

- 2 Each: Through-Bolts for Glass Mounting
- 4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets



**new**

CAT. NO.	SIZE	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.

## 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,  
10x10: 10" (254 mm) Center-to-Center  
12x12: 12" (305 mm) Center-to-Center  
18x18: 18" (457 mm) Center-to-Center  
24x24: 24" (610 mm) Center-to-Center

### 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.	SIZE	FINISH
MH10X10BS	10" (254 mm)	Brushed Stainless
MH10X10PS	10" (254 mm)	Polished Stainless
MH12X12BS	12" (305 mm)	Brushed Stainless
MH12X12PS	12" (305 mm)	Polished Stainless
MH18X18BS	18" (457 mm)	Brushed Stainless
MH18X18PS	18" (457 mm)	Polished Stainless
MH24X24BS	24" (610 mm)	Brushed Stainless
MH24X24PS	24" (610 mm)	Polished Stainless

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing. Optional 1-1/4" (32 mm) diameter available on special order.



**new**

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



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# CRL GLASS MOUNTED DOOR HANDLES

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## CRL Glass Mounted Square Tube Style 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

### Glass Fabrication Required:

Two 5/8" (16 mm) Diameter Holes,  
10x10: 10" (254 mm) Center-to-Center  
12x12: 12" (305 mm) Center-to-Center  
18x18: 18" (457 mm) Center-to-Center  
24x24: 24" (610 mm) Center-to-Center

### INCLUDES:

2 Each: Through-Bolts for Glass Mounting

Extra bolts available, sold separately:

CAT. NO.	SIZE	FINISH
<b>SQ10X10BS</b>	10" (254 mm)	Brushed Stainless
<b>SQ10X10PS</b>	10" (254 mm)	Polished Stainless
<b>SQ12X12BS</b>	12" (305 mm)	Brushed Stainless
<b>SQ12X12PS</b>	12" (305 mm)	Polished Stainless
<b>SQ18X18BS</b>	18" (457 mm)	Brushed Stainless
<b>SQ18X18PS</b>	18" (457 mm)	Polished Stainless
<b>SQ24X24BS</b>	24" (610 mm)	Brushed Stainless
<b>SQ24X24PS</b>	24" (610 mm)	Polished Stainless

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

CAT. NO.	DESCRIPTION
<b>TB2CH</b>	Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass
<b>TB4CH</b>	Through-Bolts for 1-3/4" (45 mm) Wood or Metal Door Frames

## CRL Glass Mounted Rounded Corner Square Tube Style 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

### Glass Fabrication Required:

Two 5/8" (16 mm) Diameter Holes,  
10x10: 10" (254 mm) Center-to-Center  
12x12: 12" (305 mm) Center-to-Center  
18x18: 18" (457 mm) Center-to-Center  
24x24: 24" (610 mm) Center-to-Center

### INCLUDES:

2 Each: Through-Bolts for Glass Mounting

Extra bolts available, sold separately:

CAT. NO.	SIZE	FINISH
<b>RST10X10BS</b>	10" (254 mm)	Brushed Stainless
<b>RST10X10PS</b>	10" (254 mm)	Polished Stainless
<b>RST12X12BS</b>	12" (305 mm)	Brushed Stainless
<b>RST12X12PS</b>	12" (305 mm)	Polished Stainless
<b>RST18X18BS</b>	18" (457 mm)	Brushed Stainless
<b>RST18X18PS</b>	18" (457 mm)	Polished Stainless
<b>RST24X24BS</b>	24" (610 mm)	Brushed Stainless
<b>RST24X24PS</b>	24" (610 mm)	Polished Stainless

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

CAT. NO.	DESCRIPTION
<b>TB2CH</b>	Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass
<b>TB4CH</b>	Through-Bolts for 1-3/4" (45 mm) Wood or Metal Door Frames

## 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



### 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:

Three 5/8" (16 mm) Diameter Holes,  
10" (254 mm) Center-to-Center  
12" (305 mm) Center-to-Center  
28" (711 mm) Center-to-Center  
33" (838 mm) Center-to-Center

**Optional 1-1/4" (32 mm) Diameter Available on Special Order**

Extra bolts available, sold separately:

### 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. DESCRIPTION

<b>TB2CH</b>	Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass
<b>TB4CH</b>	Through-Bolts for 1-3/4" (45 mm) Wood or Metal Door Frames
<b>F40WK</b>	Matching Washer Set and Through-Bolt for 3/8" to 3/4" (10 to 19 mm) Glass
<b>F40SK</b>	Matching Washer and Stud Kit for Single-Sided Attachment for 3/8" to 3/4" (10 to 19 mm) Glass

### STRAIGHT COMBINATION PUSH AND PULL HANDLES

CAT. NO.	SIZE	FINISH
<b>CM10X28BS</b>	10" X 28"	Brushed Stainless
<b>CM10X28PS</b>	10" X 28"	Polished Stainless
<b>CM10X28BR</b>	10" X 28"	Polished Brass
<b>CM10X28SA</b>	10" X 28"	Satin Anodized
<b>CM10X28DU</b>	10" X 28"	Dark Bronze Anodized
<b>CM12X28BS</b>	12" X 28"	Brushed Stainless
<b>CM12X28PS</b>	12" X 28"	Polished Stainless
<b>CM12X28BR</b>	12" X 28"	Polished Brass
<b>CM12X28SA</b>	12" X 28"	Satin Anodized
<b>CM12X28DU</b>	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
<b>CD10X28BS</b>	10" X 28"	Brushed Stainless
<b>CD10X28PS</b>	10" X 28"	Polished Stainless
<b>CD10X28BR</b>	10" X 28"	Polished Brass
<b>CD10X28SA</b>	10" X 28"	Satin Anodized
<b>CD10X28DU</b>	10" X 28"	Dark Bronze Anodized
<b>CD10X33BS</b>	10" X 33"	Brushed Stainless
<b>CD10X33PS</b>	10" X 33"	Polished Stainless
<b>CD10X33BR</b>	10" X 33"	Polished Brass
<b>CD10X33SA</b>	10" X 33"	Satin Anodized
<b>CD10X33DU</b>	10" X 33"	Dark Bronze Anodized
<b>CD12X28BS</b>	12" X 28"	Brushed Stainless
<b>CD12X28PS</b>	12" X 28"	Polished Stainless
<b>CD12X28BR</b>	12" X 28"	Polished Brass
<b>CD12X28SA</b>	12" X 28"	Satin Anodized
<b>CD12X28DU</b>	12" X 28"	Dark Bronze Anodized

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

## 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



Pull Set With VP1 Mounting Posts

Pull Set With VP2 Mounting Posts

**NOTE:** Hole centers shown are for standard mounting locations. You may vary actual hole centers.

### INCLUDES:

2 Each: Through-Bolts for Glass Mounting

4 Each: Adjustable Mounting Posts (VP1 or VP2 Depending on Handle Style)

VARIANT PULL SET WITH VP1 MOUNTING POSTS		
CAT. NO.	ROD LENGTH	FINISH
VPS116BS	16" (406 mm)	Brushed Stainless
VPS116PS	16" (406 mm)	Polished Stainless
VPS122BS	22" (559 mm)	Brushed Stainless
VPS122PS	22" (559 mm)	Polished Stainless
VPS128BS	28" (711 mm)	Brushed Stainless
VPS128PS	28" (711 mm)	Polished Stainless

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

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 each. All Pull Handles can be combined for quantity pricing.

### ADDITIONAL MOUNTING POSTS

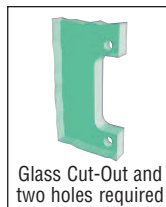
CAT. NO.	TYPE	FINISH
VP1BS	VP1	Brushed Stainless
VP1PS	VP1	Polished Stainless
VP2BS	VP2	Brushed Stainless
VP2PS	VP2	Polished Stainless

Minimum order: 1 set. Each set includes: 2 each Through-Bolts for Glass Mounting; 4 each Adjustable Mounting Posts

## 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.



CAT. NO.	FINISH
SGH8CH	Chrome
SGH8BR	Lacquered Brass
SGH8BN	Brushed Nickel
SGH8SC	Satin Chrome

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

**Glass Fabrication Required:**  
Glass Cut-Out With Polished Edges;  
Two 1/2" (13 mm) Diameter Holes

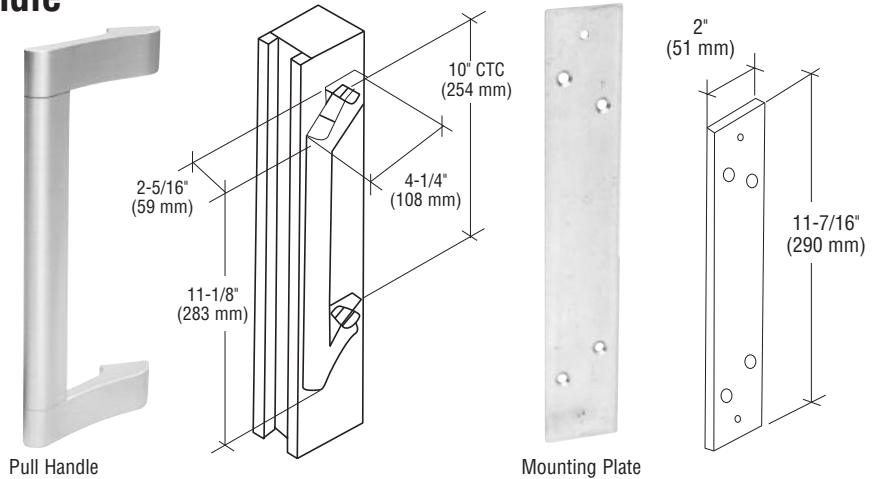




## CRL Extruded Aluminum Pull Handle

- Solid Extruded Aluminum Handle Mounts to Door With Concealed Fasteners
- Two Finishes Available

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

Mounting Plate

### DL915 EXTRUDED ALUMINUM PULL HANDLE

CAT. NO.	DESCRIPTION	FINISH
DL915A	Pull Handle	Satin Anodized
DL915DU	Pull Handle	Dark Bronze Anodized

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

### DL916 OPTIONAL MOUNTING PLATE

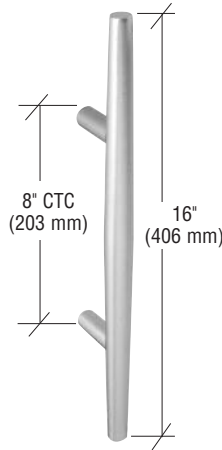
CAT. NO.	DESCRIPTION	FINISH
DL916A	Mounting Plate	Satin Anodized
DL916DU	Mounting Plate	Dark Bronze Anodized

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 Through-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 mm) from the face of the door. Brushed aluminum finish is clear anodized. Complete with through-bolts for mounting. Minimum order is one each.

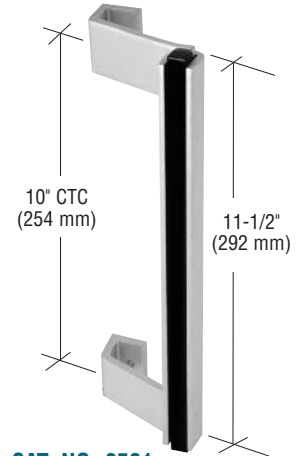


CAT. NO. 9590

## CRL Entrance Door Pull

- Solid Pull has Clear Anodized Brushed Aluminum Finish
- Complete With Through-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 through-bolts for mounting. Minimum order is one each.



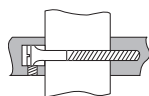
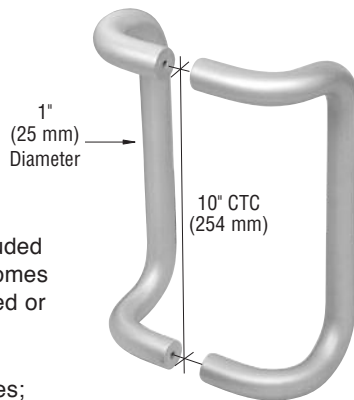
CAT. NO. 9561

## CRL Solid Offset Back-to-Back Pull Handle for Aluminum Doors

- Two Finishes Available

This set of 1" (25 mm) extruded aluminum Offset Door Pulls comes in your choice of satin anodized or dark bronze finishes.

Dimensions: 10" (254 mm) center-to-center mounting holes; 2-1/4" (57 mm) clearance; 3-1/4" (83 mm) projection.



Mounting  
Threaded Shoulder Bolt and Set Screw

CAT. NO.	FINISH
2952PRA	Satin Anodized
2952PRBRZ	Dark Bronze Anodized

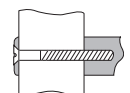
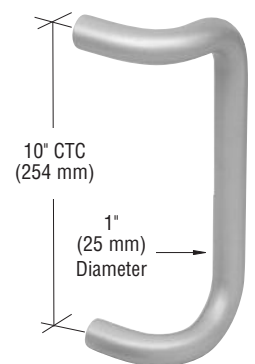
Minimum order: 1 pair. All Pull Handles can be combined for quantity pricing.

## CRL Solid Offset Single-Sided Pull Handle for Aluminum Doors

- Two Finishes Available

Extra sturdy 1" (25 mm) extruded aluminum Offset Door Pull in your choice of satin anodized or dark bronze finishes.

Dimensions: 10" (254 mm) center-to-center mounting holes; 2-1/4" (57 mm) clearance; 3-1/4" (83 mm) projection.

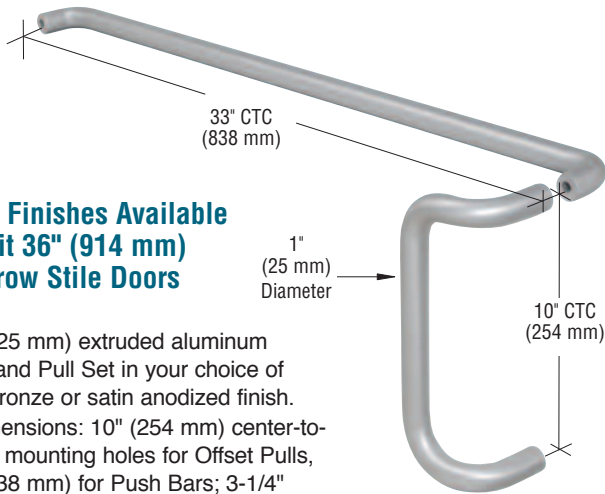


Mounting  
Through-Bolt and Finish Washer

CAT. NO.	FINISH
2952A	Satin Anodized
2952BRZ	Dark Bronze Anodized

Minimum order: 1 each. All Pull Handles can be combined for quantity pricing.

## CRL Solid Aluminum Push Bar and Pull Set



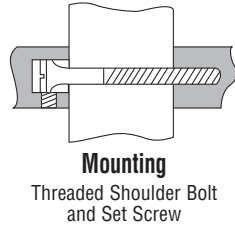
- **Two Finishes Available to Fit 36" (914 mm) Narrow Stile Doors**

1" (25 mm) extruded aluminum Push and Pull Set in your choice of dark bronze or satin anodized finish.

Dimensions: 10" (254 mm) center-to-center mounting holes for Offset Pulls, 33" (838 mm) for Push Bars; 3-1/4" (83 mm) pull projection; 2-1/4" (57 mm) bar projection; length to fit 36" (914 mm) narrow stile doors.

CAT. NO.	FINISH
2958A	Satin Anodized
2958BRZ	Dark Bronze Anodized

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

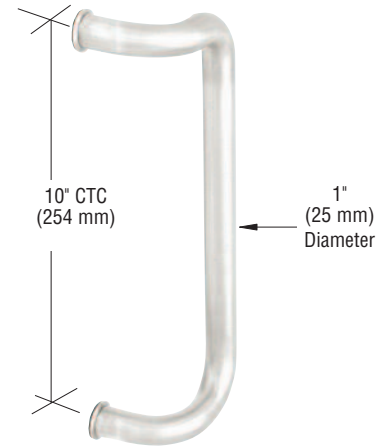


## CRL Tubular Offset Single-Sided Pull Handle

- **Available in Five Architectural Finishes**
- **Ready to Mount**

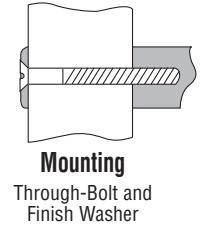
Constructed of 1" (25 mm) stainless steel or brass tubing with 1-1/4" (32 mm) diameter matching washers. Choice of five architectural finishes to complement any décor.

Dimensions: 10" (254 mm) center-to-center mounting holes; 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.

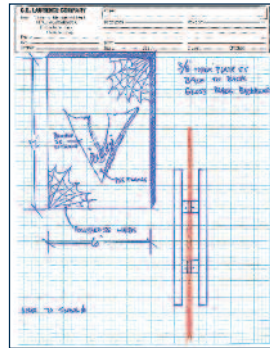


## Custom Designed Door Handles

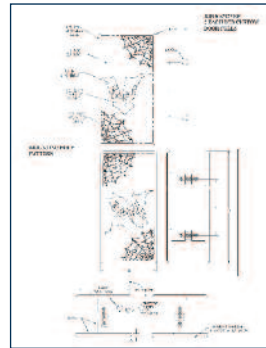


- **For Glass, Wood, or Aluminum Doors**
- **"Cutting Edge" Laser and Waterjet Capabilities**
- **Round, Square or Flat Bar Stock**
- **Solid or Tubular Construction**
- **Custom Cast Designs**
- **Metal Etched Logos and Designs**
- **Bending, Mitering, and Welding**
- **Unlimited CNC Machined Shapes**
- **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**
- **Custom Color Matching Available**

### Imagination



### Design



### Reality



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](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



## CRL Round Push-Pull Indicator Sets

- One Push and One Pull Indicator Per Set
- Five Architectural Finishes
- 2" (51 mm) Diameter
- Easily Installed With Supplied Tape



These CRL 2" (51 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" (16 mm) high so that they can be easily read. One set includes one push and one pull disc.

- Blank Indicators Are Also Available

### PUSH-PULL INDICATOR SETS

CAT. NO.	FINISH	DIAMETER
RPP2DU	Dark Bronze	2" (51 mm)
RPP2BS	Brushed Stainless Steel	2" (51 mm)
RPP2PS	Polished Stainless Steel	2" (51 mm)
RPP2PB	Polished Brass	2" (51 mm)
RPP2SB	Satin Brass	2" (51 mm)

Minimum order: 1 set. All Indicators can be combined for quantity pricing.

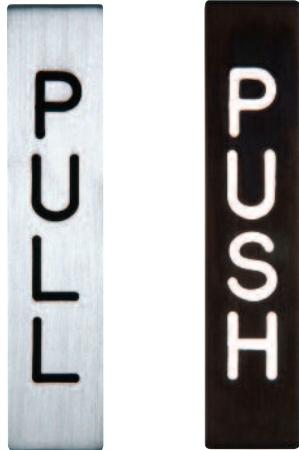
### BLANK INDICATOR SETS

CAT. NO.	FINISH	DIAMETER
RPPBDU	Dark Bronze	2" (51 mm)
RPPBBS	Brushed Stainless Steel	2" (51 mm)
RPPBPS	Polished Stainless Steel	2" (51 mm)
RPPBPB	Polished Brass	2" (51 mm)
RPPBSB	Satin Brass	2" (51 mm)

Minimum order: 1 set. All Indicators can be combined for quantity pricing.

## CRL Etched Aluminum Push-Pull Signs

- Letters Etched in Aluminum Plates With Adhesive Tape Backing
- Choose Black on Aluminum or White on Bronze



Black on Aluminum

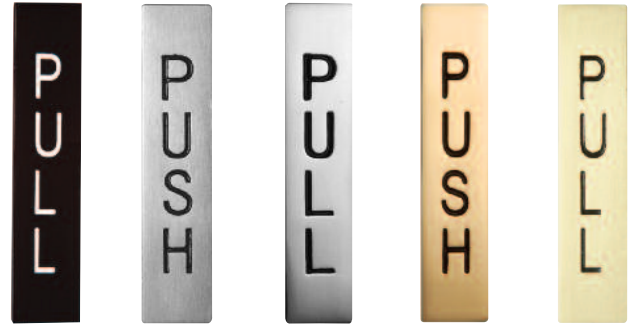
White on Bronze

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" (116 mm) high x 1" (25 mm) wide. The letters are 5/8" (16 mm) high.

CAT. NO.	TYPE	COLOR	STYLE
1445G	Push	Black/Aluminum	Vertical
1445GW	Push	White/Bronze	Vertical
1446G	Pull	Black/Aluminum	Vertical
1446GW	Pull	White/Bronze	Vertical

Minimum order: 1 each. All Push-Pull Signs can be combined for quantity pricing.

## CRL Push-Pull Indicators



- Brass or Stainless Steel Plate
- Adhesive Tape Backing
- Five Architectural Finishes

These Push-Pull Indicators have 5/8" (16 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 mm) high x 1" (25 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
4EPPBPU	4EPPBPL	Satin Brass

Minimum order: 1 each. All Push-Pull Signs can be combined for quantity pricing.



# CRL ONE AND TWO POINT CENTER LOCKS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL One and Two Point Center Locks With Bottom Rail Extension Rod Throw

- Lets You Lock Doors at a Comfortable Height
- Secures Your 'All-Glass' Doors Better Than Ever Before
- One and Two Point Locking Options Available

We have expanded our Center Lock line by adding a new series of 4" x 10" Center Lock and Center Lock Glass Keepers that allow you to secure your 'all-glass' doors easier than ever before.

This innovative new series allows for one point and two point locking of 'all-glass' doors. Unlike previous two point locking applications that force you to reach for the bottom rail of the door, our system allows you to operate the lock at a comfortable 36" to 42" (914 to 1067 mm) above the floor. No more bending or kneeling. Simply turn the key or thumbturn found on the Center Lock and your door is locked into the floor (one point), or locked into the floor and jamb or Glass Mounted Keeper (two points).

For additional information or assistance in choosing the right Center Lock for your application, 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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

**new**



CRL Two Point Center Lock with Optional DEK4102 Series Glass Keeper

## CRL One Point Center Lock With Bottom Rail Extension Rod Throw

- Available With or Without Back-to-Back "D" Handle
- Completely Fabricated and Ready to Install
- Available in Five Standard Architectural Finishes
- Custom Finishes Available on Special Order
- For 1/2" (12 mm) Tempered Glass

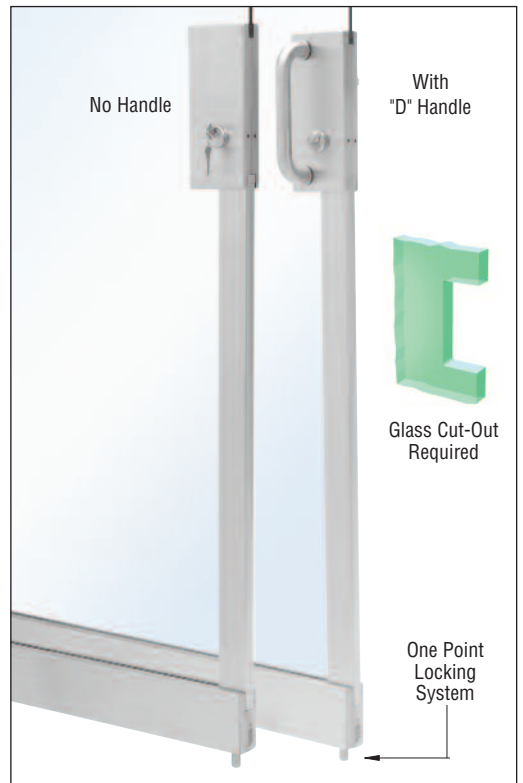
**new**



This 4" x 10" Center Lock has an extended throw that latches through the bottom door rail and into the floor. It is completely activated at a comfortable distance above the floor utilizing a built-in Adams Rite 1860-02 Lock with a modified extension rod allowing the throw to enter the floor. A small edge channel that travels down from the Center Lock to the bottom rail conceals the extension rod. The Center Lock is non-handed, with a Thumbturn for the inside, and a Keyed Cylinder for the outside. You can order them with or without an 8" (203 mm) back-to-back "D" Handle.

**ORDERING NOTE:** This innovative system is intended for the fabrication of new doors only. Retrofit applications are not recommended because the bottom door rail must be factory-modified to accept the Extension Rod Throw, and the door glass requires a specially shaped cut-out to accept the Center Lock. Please contact Commercial Products Technical Sales for ordering assistance.

**NOTE:** In applications where A.D.A. Codes are a concern, a 10" (254 mm) tall bottom rail should be used with this Center Lock.



NO HANDLE CAT. NO.	WITH "D" HANDLE CAT. NO.	FINISH
DE4100BS	DE4101BS	Brushed Stainless
DE4100PS	DE4101PS	Polished Stainless
DE4100PB	DE4101PB	Polished Brass
DE4100SC	DE4101SC	Satin Anodized
DE4100DU	DE4101DU	Black Bronze Anodized

Minimum order: 1 each. All Center Locks can be combined for quantity pricing.



C.R. LAURENCE COMPANY

2508 |

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# CRL ONE AND TWO POINT CENTER LOCKS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Two Point Center Lock With Bottom Rail Extension Rod Throw

- Completely Fabricated and Ready to Install
- Available in Five Standard Architectural Finishes
- Custom Finishes Available on Special Order
- For 1/2" (12 mm) Tempered Glass

This 4" x 10" Center Lock has two throws, an extended throw that latches through the bottom door rail into the floor, and a horizontal throw that latches into the jamb or adjacent Glass Mount Keeper (sold separately, see [crlaurence.com](http://crlaurence.com)). It is completely activated at a comfortable distance above the floor utilizing a built-in Adams Rite 1860-02 Lock with a modified extension rod allowing the throw to enter the floor. A small edge channel that travels down from the Center Lock to the bottom rail conceals the extension rod. It includes an 8" (203 mm) back-to-back "D" Handle, a Thumbturn on the inside, and a Keyed Cylinder on the outside. 'No handle' option available on special order.

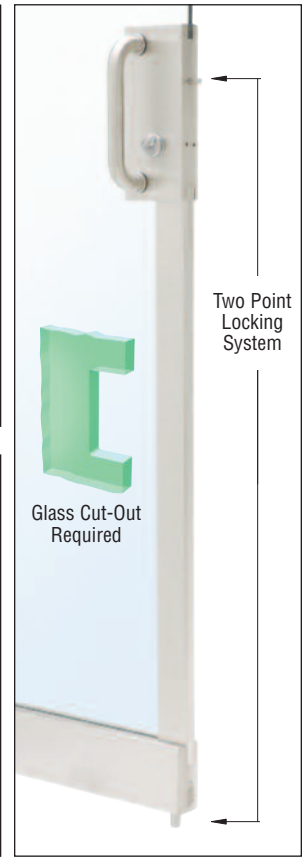
**ORDERING NOTE:** This innovative system is intended for the fabrication of new doors only. Retrofit applications are not recommended because the bottom door rail must be factory-modified to accept the Extension Rod Throw, and the door glass requires a specially shaped cut-out to accept the Center Lock. Please contact Commercial Products Technical Sales for ordering assistance. **NOTE:** In applications where A.D.A. Codes are a concern, a 10" (254 mm) tall bottom rail should be used with this Center Lock.

CAT. NO.	HANDING	FINISH
DE4102BS	Non-Handed	Brushed Stainless
DE4102PS	Non-Handed	Polished Stainless
DE4102PB	Non-Handed	Polished Brass
DE4102SC	Non-Handed	Satin Anodized
DE4102DU	Non-Handed	Black Bronze Anodized

Minimum order: 1 each. All Center Locks can be combined for quantity pricing.



**new**



## CRL One Point Center Lock Plus Keeper With Bottom Rail Extension Rod Throw

- Perfect Solution for Double Doors
- Available in Five Standard Architectural Finishes
- Completely Fabricated and Ready to Install
- For 1/2" (12 mm) Tempered Glass

This 4" x 10" Center Lock has an extended throw that latches through the bottom door rail into the floor, and a strike for the horizontal throw from adjacent Center Lock (sold separately, see above). It is completely activated at a comfortable distance above the floor utilizing a built-in Adams Rite 1860-02 Lock with a modified extension rod allowing the throw to enter the floor. A small edge channel that travels down from the Center Lock to the bottom rail conceals the extension rod. It includes an 8" (203 mm) back-to-back "D" Handle, a Thumbturn on the inside, and a Keyed Cylinder on the outside. 'No handle' option available on special order.

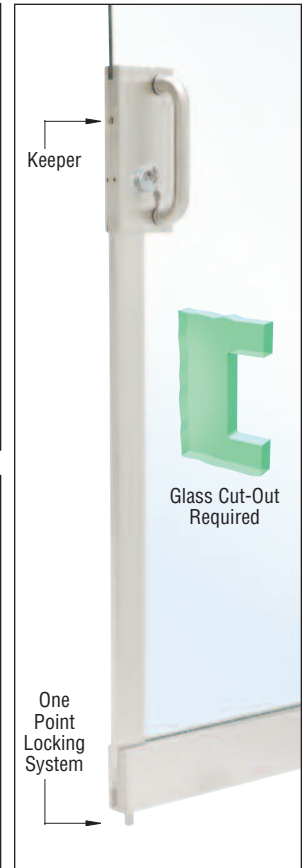
**ORDERING NOTE:** This innovative system is intended for the fabrication of new doors only. Retrofit applications are not recommended because the bottom door rail must be factory-modified to accept the Extension Rod Throw, and the door glass requires a specially shaped cut-out to accept the Center Lock. Please contact Commercial Products Technical Sales for ordering assistance. **NOTE:** In applications where A.D.A. Codes are a concern, a 10" (254 mm) tall bottom rail should be used with this Center Lock.

CAT. NO.	HANDING	FINISH
DE4103BS	Non-Handed	Brushed Stainless
DE4103PS	Non-Handed	Polished Stainless
DE4103PB	Non-Handed	Polished Brass
DE4103SC	Non-Handed	Satin Anodized
DE4103DU	Non-Handed	Black Bronze Anodized

Minimum order: 1 each. All Center Locks can be combined for quantity pricing.



**new**





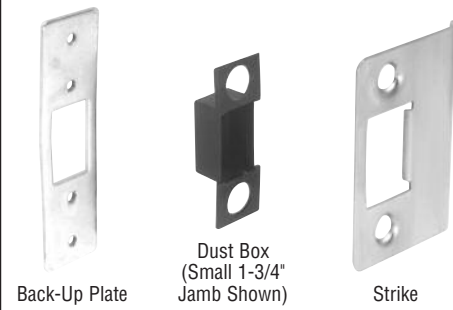
## CRL Center Locks

- 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](http://crlaurence.com).

## 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" WIDE JAMB CAT. NO.	MEDIUM 4" WIDE JAMB CAT. NO.	LARGE 4-1/2" WIDE JAMB CAT. NO.	FINISH
DL4515	DL4540	DL4545	Brushed Stainless

Minimum order: 1 each. All Center Locks Strikes can be combined for quantity pricing.

## 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



Non-Handed

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.

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



Glass Cut-Out 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.

LH/RHR* CAT. NO.	RH/LHR* CAT. NO.	FINISH
DL410LBS	DL410RBS	Brushed Stainless
DL410LPS	DL410RPS	Polished Stainless
DL410LPB	DL410RPB	Polished Brass
DL410LSC	DL410RSC	Satin Anodized
DL410LDU	DL410RDU	Black Bronze Anodized



Glass Cut-Out Required

Minimum order: 1 each. \*See page Z512 for handing chart. All Center Locks and Keepers can be combined for quantity pricing.





## CRL 4" x 10" Center Locks and Glass Keepers

### 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



Non-Handed

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.	FINISH
DT410BS	Brushed Stainless
DT410PS	Polished Stainless
DT410PB	Polished Brass
DT410SC	Satin Anodized
DT410DU	Black Bronze Anodized



Glass Cut-Out Required

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.

### 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



Non-Handed

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.

CAT. NO.	FINISH
DH410BS	Brushed Stainless
DH410PS	Polished Stainless
DH410PB	Polished Brass
DH410SC	Satin Anodized
DH410DU	Black Bronze Anodized



Glass Cut-Out 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

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



Glass Cut-Out Required

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.

### CRL Glass Keepers for DE4102 Series Center Locks

- Non-Handed Stock Models Available in Five Finishes for 1/2" (12 mm) Tempered Glass
- Installs Easily With Bolts; No Silicone or Cement Required
- Custom Sizes Available on Special Order for 3/8" (10 mm) Tempered Glass



These non-handed 4" x 10" Glass Keepers are for use on glass panels adjacent to swinging doors using our DE4102 Series Two-Point Center Locks (see page Z509).

CAT. NO.	FINISH
DEK4102BS	Brushed Stainless
DEK4102PS	Polished Stainless
DEK4102PB	Polished Brass
DEK4102SC	Satin Anodized
DEK4102DU	Black Bronze Anodized



Glass Cut-Out Required

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.

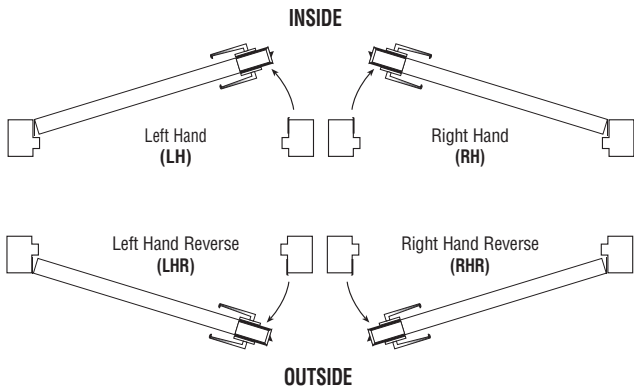
# CRL CENTER LOCKS AND ACCESSORIES

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## 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).



Glass Cut-Out Required

## 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.



LHR Shown

### OFFICE LOCK

LH CAT. NO.	RH CAT. NO.	LHR CAT. NO.	RHR 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.

## 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

### ENTRANCE LOCK (WILL NOT WORK WITH ELECTRIC STRIKE)

LH CAT. NO.	RH CAT. NO.	LHR CAT. NO.	RHR CAT. NO.	FINISH
DL610LEBS	DL610REBS	DL611LEBS	DL611REBS	Brushed Stainless
DL610LEPS	DL610REPS	DL611LEPS	DL611REPS	Polished Stainless
DL610LEPB	DL610REPB	DL611LEPB	DL611REPB	Polished Brass
DL610LESC	DL610RESC	DL611LESC	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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2512 |

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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.



LHR Shown

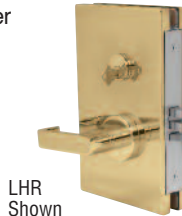
### PASSAGE LOCK

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.

## CRL 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. This lock is used primarily with Electric Strikes.



LHR Shown

### STOREROOM LOCK

LH CAT. NO.	RH CAT. NO.	LHR CAT. NO.	RHR CAT. NO.	FINISH
DL610LSBS	DL610RSBS	DL611LSBS	DL611RSBS	Brushed Stainless
DL610LSPS	DL610RSPS	DL611LSPS	DL611RSPS	Polished Stainless
DL610LSPB	DL610RSPB	DL611LSPB	DL611RSPB	Polished Brass
DL610LSSC	DL610RSSC	DL611LSSC	DL611RSSC	Satin Anodized
DL610LSDU	DL610RSDU	DL611LSDU	DL611RSDU	Black Bronze Anodized

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.

## CRL 6" x 10" Center Classroom Lock

With a "Classroom Lock," the Latchbolt is operated by lever either side except when outside lever is locked by Key outside. Key operates latch or unlocks outside lever. Inside lever is always operable.



LHR Shown

### CLASSROOM LOCK

LH CAT. NO.	RH CAT. NO.	LHR CAT. NO.	RHR CAT. NO.	FINISH
DL610LMBS	DL610RMBS	DL611LMBS	DL611RMBS	Brushed Stainless
DL610LMPS	DL610RMPS	DL611LMPS	DL611RMPS	Polished Stainless
DL610LMPB	DL610RMPB	DL611LMPB	DL611RMPB	Polished Brass
DL610LMSC	DL610RMSC	DL611LMSC	DL611RMSC	Satin Anodized
DL610LMDU	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

**new**

- Requires No Electrical Connections
- Complies With A.D.A. Standards
- Five Finishes Available



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 CAT. NO.	RH CAT. NO.	LHR CAT. NO.	RHR 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 Anodized Lock and Lever.

\* Push Button Lock and Glass Keeper are sold separately.

### CENTER LOCK GLASS KEEPERS\*

LH CAT. NO.	RH 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.



## 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



Glass Cut-Out 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 Z512 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 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



Glass Cut-Out Required

LH/RHR* CAT. NO.	RH/LHR* CAT. NO.	FINISH
DLEL610BS	DLER610BS	Brushed Stainless
DLEL610PS	DLER610PS	Polished Stainless
DLEL610PB	DLER610PB	Polished Brass
DLEL610SC	DLER610SC	Satin Anodized
DLEL610DU	DLER610DU	Black Bronze Anodized

Minimum order: 1 each. \*See page Z512 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](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



Non-Handed



Glass Cut-Out Required

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

Minimum order 1 each. All Center Locks and Keepers can be combined for quantity pricing. \*Used only with Entrance Locks.

## CRL 6" x 10" Center Lock Strikes

- Available to Fit Four Different Jamb Sizes
- Dust Box and Back-Up Plate Included **new**
- 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.



DLL6515 Shown

### FOR OFFICE, PASSAGE, STOREROOM, AND CLASSROOM CENTER LOCKS

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* CAT. NO.	RH/LHR* CAT. NO.	FITS 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 Z512 for handing chart. All Strikes can be combined for quantity pricing.

## CRL Low Profile Center Locks and Glass Keepers

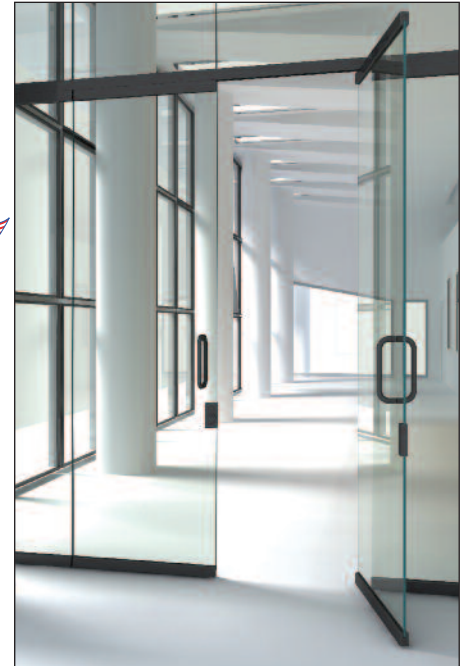
- Small Size Complements Our Low Profile Door Rail Line
- For 3/8" (10 mm) or 1/2" (12 mm) Tempered Glass
- Available in Five Standard Architectural Finishes
- Custom Finishes and Anti-Microbial Powder Coatings Available
- Hassle Free Installation Without the Mess of Cement or Silicone
- Jamb Mount Strike Plate Provided With Lock
- Uses Our Standard Thumbturns and Keyed Cylinders (See page Z439)

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.



Glass Cut-Out Required



## 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 Z439). 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).



CAT. NO.	FINISH
DT36SA	Satin Anodized
DT36DU	Black Bronze Anodized
DT36BS	Brushed Stainless
DT36PS	Polished Stainless
DT36PB	Polished Brass

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.

## CRL Low Profile Glass Keeper

- Small Size Complements Our Low Profile Door Rail Line
- Works With Low Profile Center Lock (See Above)
- Non-Handed

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.



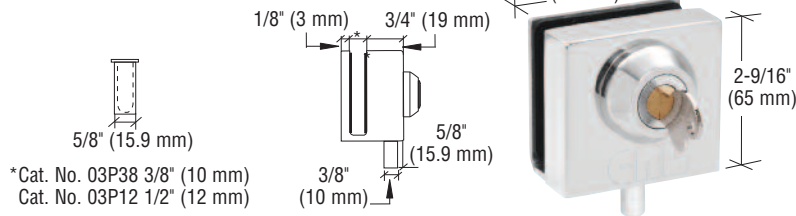
CAT. NO.	FINISH
DTK36SA	Satin Anodized
DTK36DU	Black Bronze Anodized
DTK36BS	Brushed Stainless
DTK36PS	Polished Stainless
DTK36PB	Polished Brass

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.

## 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	3/8" (10 mm)	Randomly	Chrome
03P12	1/2" (12 mm)	Randomly	Chrome

Minimum order: 1 each. All Patch Locks can be combined for quantity pricing.

## CRL European EUR Series Glass Mounted Patch Lock With Keeper Plate For Floor and Jamb Mount Applications

### INCLUDES:

Aluminum Machined Body with Lock Mechanism and Randomly Keyed Cylinder; Cover Plates and Keeper Plate (Choice of Four Finishes); Gaskets for 3/8" (10 mm) or 1/2" (12 mm) Glass; Template and Instructions

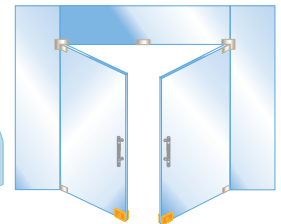
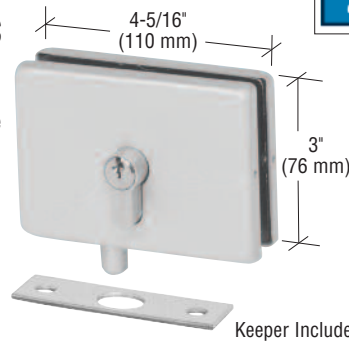
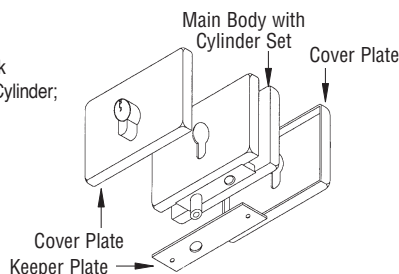
### SPECIFICATIONS:

#### For Use With:

Supplied Keeper Plate

#### Glass Fabrication Required:

One Cut-Out



CAT. NO.	FINISH
EUR680A	Satin Anodized
EUR680BR	Polished Brass
EUR680BS	Brushed Stainless
EUR680PS	Polished Stainless

Minimum order 1 each: Sold only as a complete lock. 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 Cylinder; 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)

#### Glass Fabrication Required:

One Cut-Out

### GLASS MOUNTED KEEPER INCLUDES:

Aluminum Machined Body with Keeper Hole; Cover Plates (Choice of Four Finishes); Gaskets for 3/8" (10 mm) or 1/2" (12 mm) Glass; Template and Instructions

### SPECIFICATIONS:

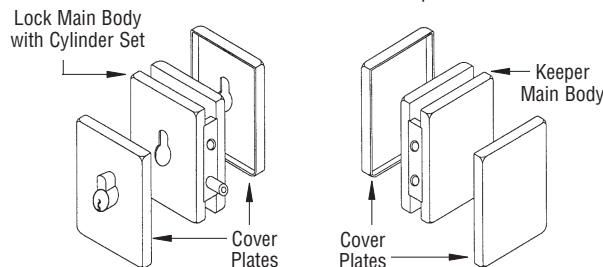
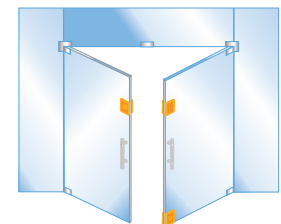
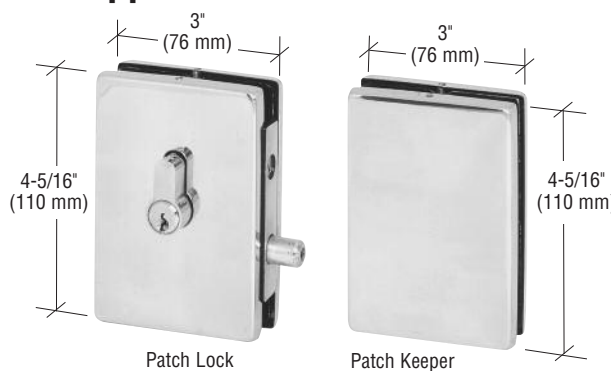
#### For Use With:

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 door installations.



The European Series Glass Mounted Patch Lock and Glass Mounted Keeper are designed to be used in glass-to-glass type applications. The Lock and Keeper can be used on double glass doors, or on a door and fixed glass panel. Patch Lock and Keeper must be ordered separately.

### GLASS MOUNTED PATCH LOCK

CAT. NO.	FINISH
EUR681A	Satin Anodized
EUR681BR	Polished Brass
EUR681BS	Brushed Stainless
EUR681PS	Polished Stainless

Minimum order 1 each: All Patch Locks can be combined for quantity pricing.

### GLASS MOUNTED PATCH KEEPER

CAT. NO.	FINISH
EUR682A	Satin Anodized
EUR682BR	Polished Brass
EUR682BS	Brushed Stainless
EUR682PS	Polished Stainless

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



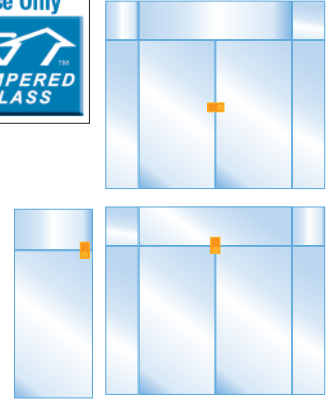
## CRL Deluxe Patch Lock for 3/8" and 1/2" Glass

### • 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.



Typical Lock Positions



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.

#### Measures:

4-3/4" (120 mm) Wide x  
2-3/4" (70 mm) High



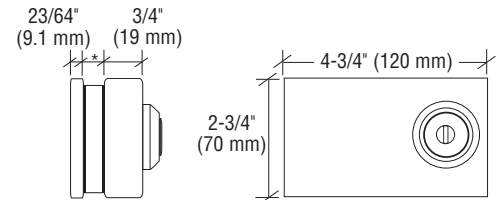
There is no need to put a hole in the glass or have any additional work done. Simply remove the cover plate and slide the double gasketed portion onto the fixed panel. The ribbed rubber lining creates suction, holding the lock firmly to the glass.



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.



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)

## 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:

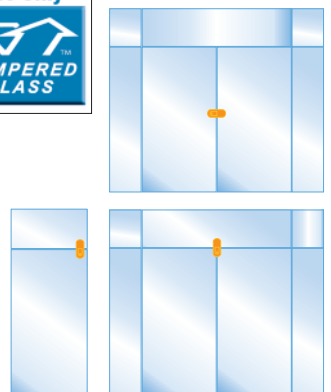
For Use With: 3/8" (10 mm) or 1/2" (12 mm) Glass Doors

No Glass Fabrication Required

Recommended Gap Between Panels: 3/16" (5 mm)



Typical Lock Positions



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 that the lock fits perfectly and closes tightly.



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.

#### Measures:

5-1/2" (139 mm) Wide x  
3-1/4" (82 mm) High

#### GLASS MOUNTED SLIP-ON PATCH LOCK

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.

#### REPLACEMENT KEYS

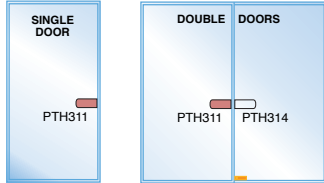
CAT. NO.	DESCRIPTION
SL1PKEY	Blank Key for Slip-On Lock

# CRL COMMERCIAL PATCH HARDWARE

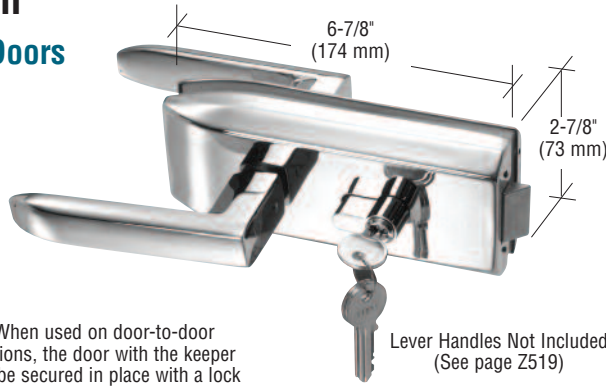
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## CRL Glass Mounted Latch

- Works on Single or Double Doors
- For 3/8" or 1/2" (10 or 12 mm) Glass
- Field Reversible



**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.



Lever Handles Not Included (See page Z519)

### GLASS FABRICATION REQUIRED:

Two 1-3/4" (45 mm) Holes

### COMES WITH:

ES3 and ES4 Series Cylinder/Thumbturn with 3 keys each, Template and Instructions.



Included



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.

The PTH311 comes assembled for use with the EC4 Keyed Cylinder on all outswing and on inswing doors without a PTH314 Glass Mounted Latch Keeper. When used on inswing door with PTH314, the EC3 Extended Length Keyed Cylinder must be used.

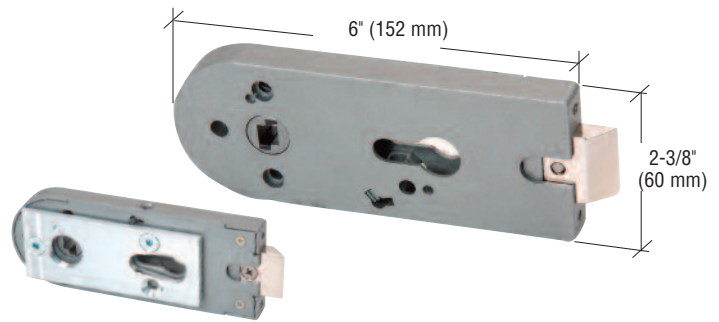
## CRL Locking Latch Mechanism

- 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 configuration.

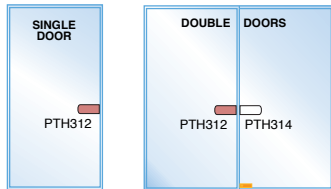
CAT. NO.	MATERIAL
PTH300L	Raw Zinc

Minimum order: 1 each.

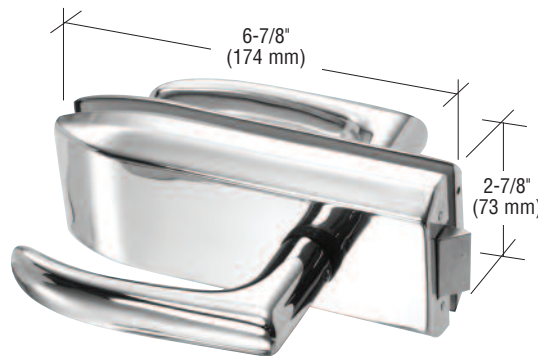


## CRL Glass Mounted Passage Latch

- Works on Single or Double Doors
- For 3/8" or 1/2" (10 or 12 mm) Glass



**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.



Lever Handles Not Included (See page Z519)

### GLASS FABRICATION REQUIRED:

Two 1-3/4" (45 mm) Holes

### COMES WITH:

Template and Instructions



Included

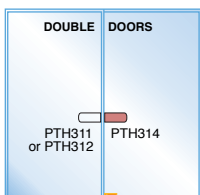


CAT. NO.	FINISH
PTH312A	Clear Anodized
PTH312BR	Polished Brass
PTH312BS	Brushed Stainless
PTH312PS	Polished Stainless

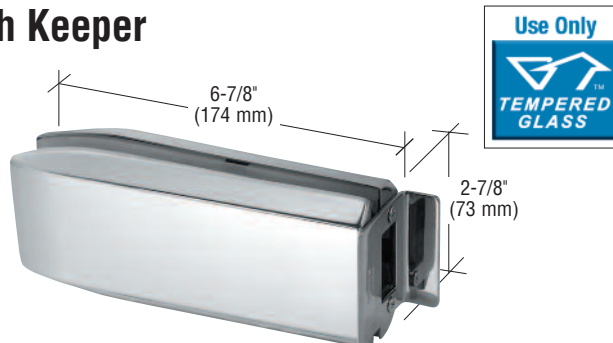
Minimum order: 1 each. All PTH Series Patch Fittings can be combined for quantity pricing.

## 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

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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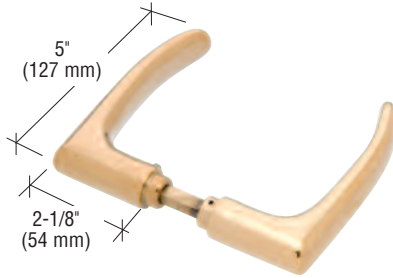
crlaurence.com.au

crlaurence.co.uk

crlaurence.de

crlaurence.com

## CRL Sculptured Style Lever Handles



### • Available in Three Finishes

**FOR USE WITH:**

PTH311 and PTH312 Glass Mounted Latch Mechanisms

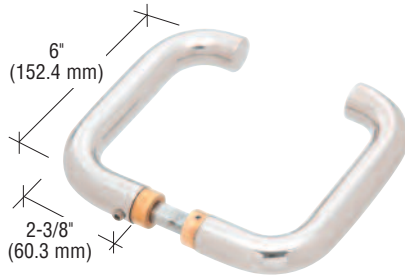
**INCLUDES:**

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.

## CRL Tubular Style Lever Handles



### • Available in Four Finishes

**FOR USE WITH:**

PTH311 and PTH312 Glass Mounted Latch Mechanisms

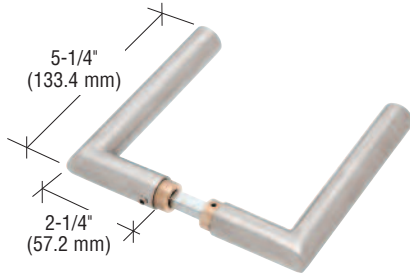
**INCLUDES:**

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.

## CRL Modern Style Lever Handles



### • Available in Three Finishes

**FOR USE WITH:**

PTH311 and PTH312 Glass Mounted Latch Mechanisms

**INCLUDES:**

Hex Wrench

CAT. NO.	FINISH
PTH306BR	Polished Brass
PTH306BS	Brushed Stainless
PTH306PS	Polished Stainless

Minimum order: 1 set. All Patch Handles can be combined for quantity pricing.

## 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.



Includes 3 Keys and Screw

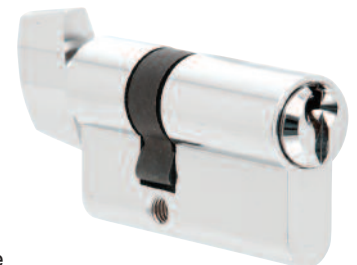
KEYED RANDOMLY CAT. NO.	KEYED ALIKE CAT. NO.	TYPE	FINISH
EC3BR	EC3BRKA	Cylinder/Thumbturn	Polished Brass
EC3BS	EC3BSKA	Cylinder/Thumbturn	Brushed Stainless
EC3PS	EC3PSKA	Cylinder/Thumbturn	Polished Stainless
EC5BR	EC5BRKA	Cylinder/Cylinder	Polished Brass
EC5BS	EC5BSKA	Cylinder/Cylinder	Brushed Stainless
EC5PS	EC5PSKA	Cylinder/Cylinder	Polished Stainless

Minimum order: 1 each. All Cylinders/Thumbturns 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 Cylinder/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.



# CRL STACKING PARTITION SYSTEM

For Pricing Visit Our Web Site or Call Us Toll Free  
at the Phone Numbers Shown on the Back Cover

## CRL SPS Stacking Partition System With Convertible Pivoting/Sliding Doors

**new**



- SPS Doors Can Now Pivot and Slide
- Fully Adjustable Closing Features
- 6" (152 mm) Rails Top and Bottom
- Available in Five Architectural Finishes
- Custom Finishes Available on Special Order

We have done it again! We have taken a great product and have made it even better! Now you can get our popular SPS System with a Convertible Door Option.

Convertible doors not only pivot, but they also slide and stack away, giving you the look of a standard pivoting door entrance with the ability to slide and stack away all the panels, even the pivoting doors.

Pivoting Doors are easily converted to Sliding Panels and back again by a simple 'one screw' Coordinator at the top of the door, and our fully concealed 'single lever' Closer Engagement Mechanism at the bottom of the door. A heavy-duty floor closer is concealed in the bottom rail of the door, eliminating the unsightly cover plates across the center of the opening when the panels are stacked away.



Pivoting to Sliding Door Top Coordinator



Heavy-Duty Floor Closer and Engagement Mechanism Concealed in the Bottom Rail



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[crlaurence.de](http://crlaurence.de)

[crlaurence.com](http://crlaurence.com)

## CRL SPS Stacking Partition System With Convertible Sliding/Pivoting Doors

**new**



### As Easy as One, Two, Slide.....

Our engineers worked long and hard on developing an easy to use system that allows you to convert our popular SPS Sliding Doors into Pivoting Doors! CRL is proud to introduce our latest enhancement, the Convertible SPS Door!

During normal operation your pivoting doors function and appear to be just standard doors. However, with two simple adjustments, your pivoting doors are ready to slide and stack away with the rest of the glass wall, leaving you with a completely open entrance. There is no unsightly floor closer in the floor; only a small round stainless steel cover concealing the pivot receiver can be seen.



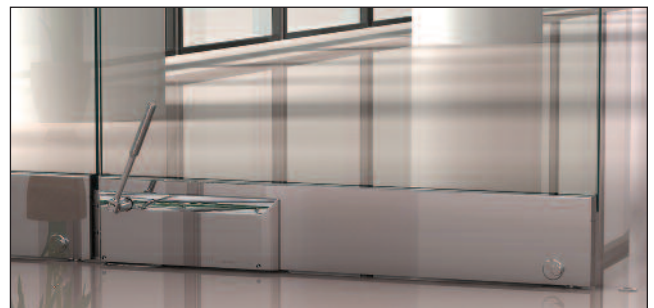
### Step 1: Engage the Overhead Rollers

Using the supplied Cat. No. 90SSW Speed Wrench, a few quick turns engages the Carrier Track for the Intelli-Track™ Rollers suspending the door from the Top Track.



### Step 2: Retract the Floor Closer Spindle

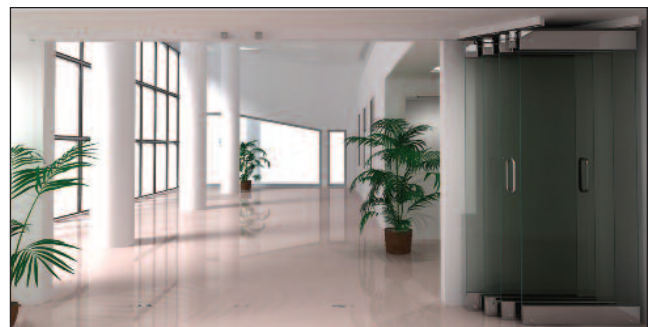
After the Top Rollers are engaged, use the supplied Cat. No. 90SCW Closer Wrench to raise the Closer Spindle out of its receiver in the floor. A quarter of a turn is all it takes and your pivoting door is now a slider!



### Door Now Operates Like a Standard Sliding Stacking Door

With the Top Rollers engaged and the Closer Spindle retracted, you can now stack all the panels of your SPS System neatly away, transforming the storefront into a completely open entrance with no doors or panels to be seen!

Simply reverse the process to convert the sliding stacking doors back to pivoting doors. It's just that simple!



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](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



## CRL's New and Versatile SPS Stacking Partition System Featuring Intelli-Track™

**new**



- Provides the 'All-Glass' Look When Closed and the 'Wide Open' Look When Opened
- Glass Panels Disappear From Sight When Parked in the Parking Closet
- Convertible System Available When a Pivot Door is Required
- A Large Variety of Parking Configurations to Accommodate Almost Any Installation
- Glass Panels Can Be Simply Stacked Against the End Wall or Stored Out of Sight in a Closet

The newest and most versatile option for 'all-glass' walls and partitions is CRL's patent pending Stacking Partition System, or 'SPS' for short. When you specify the SPS your installation options are virtually unlimited because the individual SPS components allow you to design stacking doors to fit almost any situation. Whether you need to partition off interior spaces, or provide movable 'all-glass' doors for a storefront or other public areas, you can select SPS with full assurance that the system will be easy to work with, easy to install, and easy to operate.

CRL Technical Sales is your source for detailed information on the SPS, and we invite you to contact us at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Please ask for Ext. 7700. You can send e-mail through our web site at [crlaurence.com](http://crlaurence.com). Click on Contact Us, and then click on Technical Sales for Commercial Products.



### Typical Applications:

- Retail Stores and Malls
- Banquet Halls
- Restaurants and Eateries
- Convention Centers
- Automobile Dealerships
- Stadium Club Boxes
- Reception Areas
- Pool Houses
- Recreation Centers
- Commercial Offices



# CRL STACKING PARTITION SYSTEM

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL's Versatile SPS Stacking Partition System Featuring Intelli-Track™



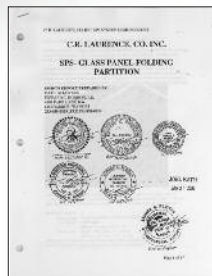
Our Stacking Partition System, or SPS, offers a variety of options to create a simple yet elegant interior space division or a large inviting mall front. Restaurants and sidewalk cafes can easily expand with indoor/outdoor seating space. The design options are limited only by the architect's imagination.

SPS utilizes our patented Wedge-Lock™ Glass Securing System, found in our popular DRS Door Rails. Available in a variety of rail configurations and finishes, SPS is the right choice when searching for an affordable, dependable, attractive stacking partition system.

Ease of operation was on the top of our list when we designed SPS. The Intelli-Track™ Roller is an innovative design that allows for smooth, almost effortless panel movement. Combined with our overhead track design, the panels seem to stack and park by themselves. Our multi-point locking system offers a secure, easily operated entrance.



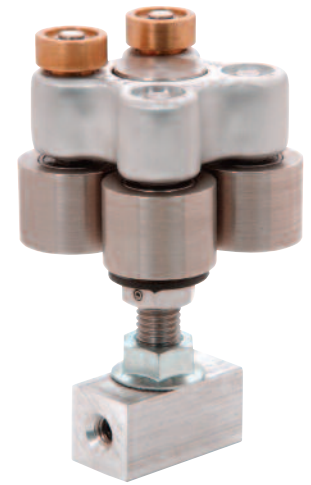
**SPS  
DESIGN  
REPORT**



For your convenience CRL has a complete Design Report published at [crlaurence.com](http://crlaurence.com).



## CRL SPS Stacking Partition System Featuring Intelli-Track™ With Parking Area

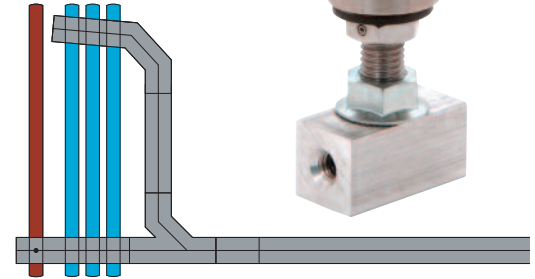


- Directional Rollers Work With Both Manual and Self-Guiding Intersections to Provide Directional Control
- Available in Five Finishes for 1/2" (12 mm) and 3/4" (19 mm) Glass (See Pages Z527-Z532)
- Many Custom Finishes Available
- Tracks and Intersections Are Available in Mill Aluminum and White Powder Paint (Other Finishes on Special Order)
- A Full Selection of Accessories to Accommodate Most Applications
- In-House Technical Sales Representatives to Assist You in Planning Your Installation

CRL Engineers asked questions, made product comparisons, and designed the most versatile Stacking Partition System available. The directional rollers of the Intelli-Track™ Roller can be positioned on either the inside or outside track, and when they come in contact with the switching block they will travel the direction the switching block is oriented. This prevents accidental panel rotation, and directs the panel to the proper track in the parking area every time you open it.

Two styles of Overhead Tracks are available: Standard, for almost any installation; and Flanged, for drop ceiling installations. Both are available in mill aluminum and powder painted white 120" (3.05 m) and 240" (6.10 m) stock lengths along with 14 different matching intersections. A variety of Door Rail configurations and finishes (see pages Z527-Z532) are available to meet your design criteria. Latches, locks, and alignment pins, when used in conjunction with our dustproof keepers, secure the doors in place when in the closed position.

Our most important offering is our Technical Sales Assistance to help you plan and design your project. We also provide drawings, glass sizes, and installation suggestions after you place your order. 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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



**NOTE:** System supports panels up to 470 pounds (213 kg). It is recommended that individual panels not exceed this weight, or any of the following measurements: **1/2" (12 mm) Glass Panels** - 120" (3.05 m) Maximum Height; 72" (1.83 m) Maximum Width  
**3/4" (19 mm) Glass Panels** - 156" (3.96 m) Maximum Height; 72" (1.83 m) Maximum Width.

## Information Required to Obtain a Quote

CRL is ready to assist your bid process by providing a timely and thorough quote on the Stacking Partition System to meet your needs. Please complete and submit the following:

1. SPS Rail Selection (see pages Z527-Z532)  
Style/Finish \_\_\_\_\_
2. Select Glass Thickness (Glass Supplied by Others)  
 1/2" (12 mm)       3/4" (19 mm)
3. Parking Configuration and Track Type (see pages Z526 and Z534-Z540)  
Type \_\_\_\_\_  Standard     Park Left  
 Flanged       Park Right

4. Measured Width and Height of the Opening  
Opening Width \_\_\_\_\_ Opening Height \_\_\_\_\_
5. Number of Panels in Opening \_\_\_\_\_  
(Not to Exceed Maximum Panel Width)
6. A Simple Drawing of Your Requirements (Fax or e-mail)

After filling out the above information contact our Technical Sales Representatives at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700.

We will be glad to answer any of your questions, help you design your Stacking Partition System, and provide you with the necessary drawings and details you will need to complete the job.



## CRL Intelli-Track™ Roller (Patent Pending)

- Intelli-Track™ Rollers Work With Both Manual and Self-Guiding Intersections to Provide Directional Control and Prevent Accidental Panel Rotation
- Two Rollers per Panel Will Support 470 Pounds (213 kg)
- Narrow Housing Width Allows for 2-7/8" (73 mm) Center-to-Center Door Rail Spacing in the Parking Area

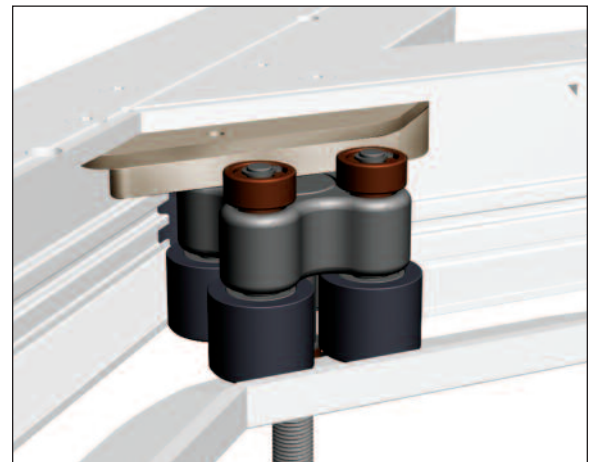
The CRL Intelli-Track™ Roller provides a large weight carrying capacity of 470 pounds (213 kg), along with the convenience of directional control when used with Self-Guiding Intersections. It also prevents accidental door panel rotation in both Manual and Self-Guiding Intersections. Heavy-duty construction will provide years of service. The Intelli-Track™ Roller is adaptable for use in all of our door rails and framed doors.



### • Adaptable to a Variety of Panel Types

The Intelli-Track™ Roller Assembly was designed to fit our standard DRS Door Rails. Also, by special order, CRL's Engineering Department can design custom mounting hardware to adapt SPS Track and Roller Assemblies to work with your custom panels. Whether you are using our DRS Rails or your own custom panels, make the CRL Stacking Partition System your choice for your overhead sliding or stacking partition needs.

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 the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.





## Our More Popular SPS Parking Configurations

- Five Standard Types of Parking Configurations Available to Accommodate Almost Any Installation Requirement
- Perpendicular and Parallel Stacking of Doors Makes the Best Possible Use of Available Space
- The Widest Possible Openings for Unimpeded Foot Traffic or 'Wide Open' Viewing
- All Parking Areas Come Pre-Assembled for Strength and Ease of Installation

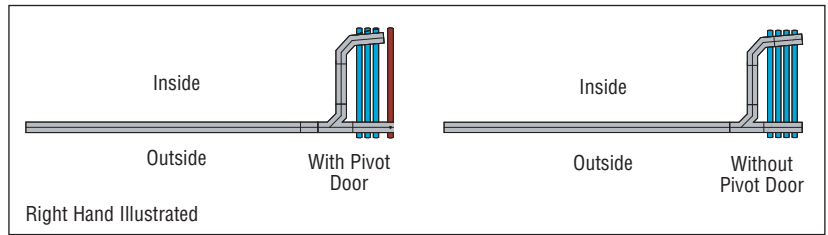
Parking configurations for Stacking Partition System Doors can be designed to make the best possible use of available space. This allows the widest possible openings for unimpeded foot traffic, and the 'wide open' look.

Self-Guiding Corners and Intersections make moving doors into the parking closet smooth and almost effortless. The option of two Overhead Track designs, Standard and Flanged, plus Custom Curved Overhead Track, assure that a Stacking Partition System can be tailored to meet your specific needs.

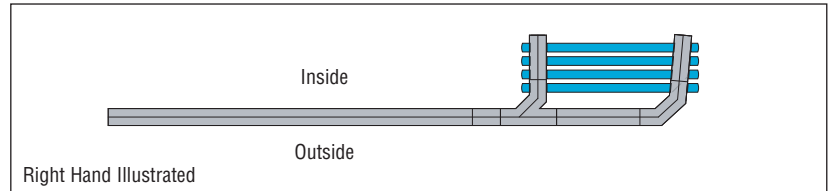
### NOTE:

Pivoting doors are shown in red; Stacking doors are shown in blue.

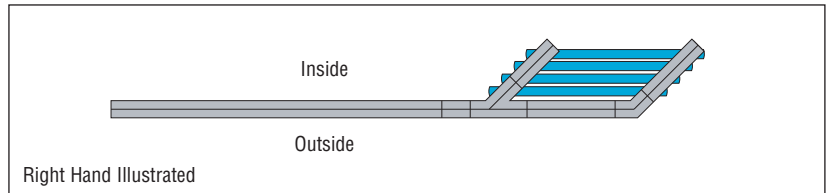
TYPE 1 – Self-Guiding Perpendicular Parking



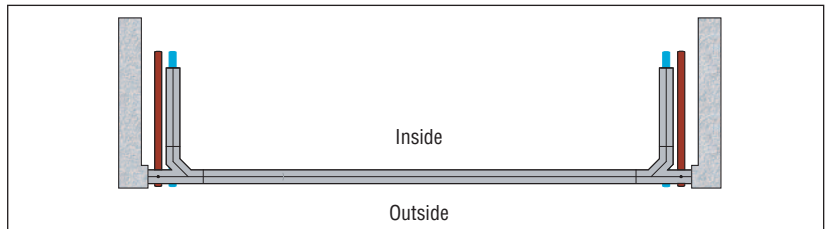
TYPE 2 – Self-Guiding Parallel Parking



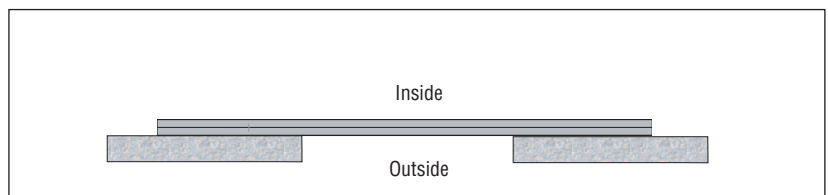
TYPE 3 – Self-Guiding 135 Degree Parallel Parking



TYPE 4 – Bi-Parting Perpendicular Parking with Pivot Doors

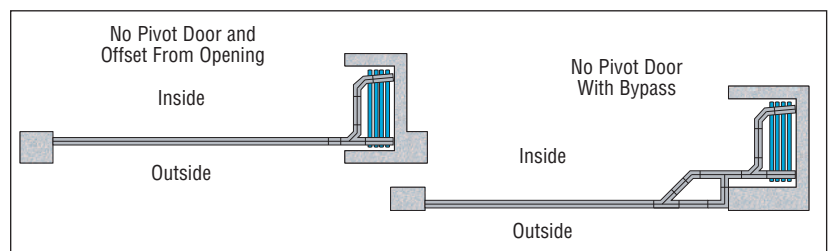


TYPE 5 – Bi-Parting No Parking



## Custom SPS Parking Configurations Available

For assistance with parking configuration selection and design, contact Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. To send e-mail from the [crlaurence.com](http://crlaurence.com) home page click on Contact Us, and then click on Technical Sales for Commercial Products.



## CRL SPS Convertible Sliding/Pivoting Door With 6" Square Rails Top and Bottom

- For 1/2" (12 mm) Tempered Glass
- Five Architectural Finishes

Now featuring our new Convertible Door System, which utilizes our 6" (152 mm) Square Door Rails top and bottom with a special Combination Rail at the Convertible Door. Designed for use with 1/2" (12 mm) tempered glass. You have a choice of five standard Parking Configurations, as well as an endless selection of custom configurations to fit your specific project. You can have all sliding panels, or a combination of sliding and pivoting panels.

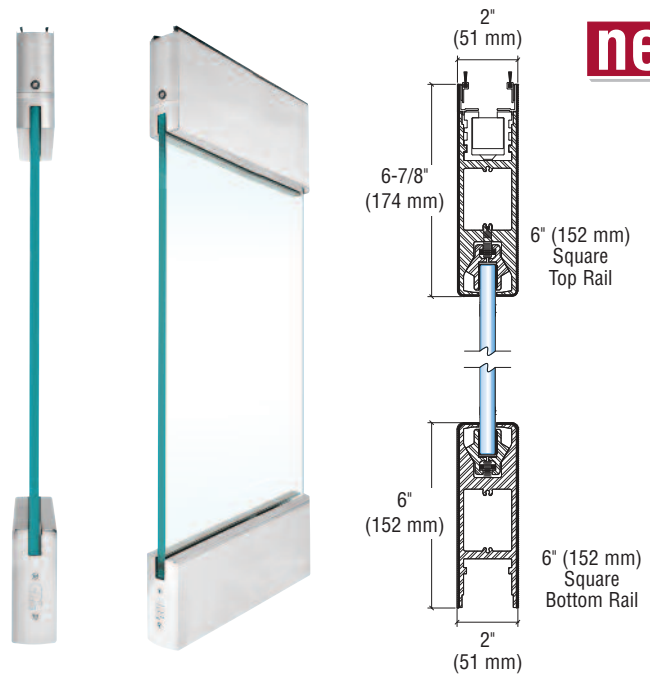


**AVAILABLE FINISHES**

- Satin Anodized\*
- Black Bronze Anodized\*
- Brushed Stainless\*
- Polished Brass\*
- Polished Stainless\*



\* Clad finish



TRACK STYLE	PARKING CONFIGURATIONS				
	TYPE 1 SERIES	TYPE 2 SERIES	TYPE 3 SERIES	TYPE 4 SERIES	TYPE 5 SERIES
Standard Track	<b>S112S1</b>	<b>S112S2</b>	<b>S112S3</b>	<b>S112S4</b>	<b>S112S5</b>
Flanged Track	<b>S112F1</b>	<b>S112F2</b>	<b>S112F3</b>	<b>S112F4</b>	<b>S112F5</b>

Note: Track comes in a standard white powder coat unless otherwise specified.

## CRL SPS Convertible Sliding/Pivoting Door With 6" Square Rail on the Top and 10" Square Rail on the Bottom

- For 1/2" (12 mm) Tempered Glass
- Five Architectural Finishes

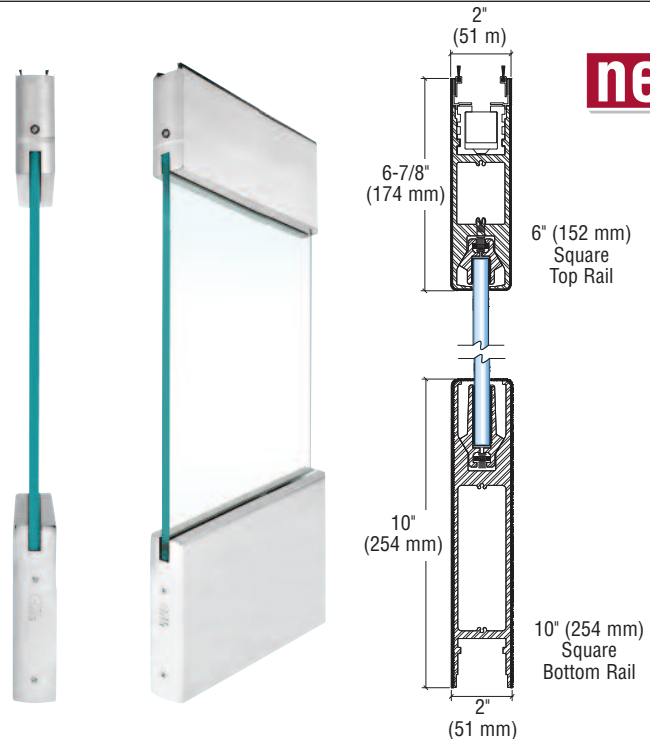
Our new Convertible Door System, utilizes our 6" (152 mm) Square Door Rail on the top and our 10" (254 mm) Square Door Rail on the bottom with a special Combination Rail at the Convertible Door. Designed for use with 1/2" (12 mm) tempered glass. You have a choice of five standard Parking Configurations, as well as an endless selection of custom configurations to fit your specific project. You can have all sliding panels, or a combination of sliding and pivoting panels.

**AVAILABLE FINISHES**

- Satin Anodized\*
- Black Bronze Anodized\*
- Brushed Stainless\*
- Polished Brass\*
- Polished Stainless\*



\* Clad finish



TRACK STYLE	PARKING CONFIGURATIONS				
	TYPE 1 SERIES	TYPE 2 SERIES	TYPE 3 SERIES	TYPE 4 SERIES	TYPE 5 SERIES
Standard Track	<b>S212S1</b>	<b>S212S2</b>	<b>S212S3</b>	<b>S212S4</b>	<b>S212S5</b>
Flanged Track	<b>S212F1</b>	<b>S212F2</b>	<b>S212F3</b>	<b>S212F4</b>	<b>S212F5</b>

Note: Track comes in a standard white powder coat unless otherwise specified.

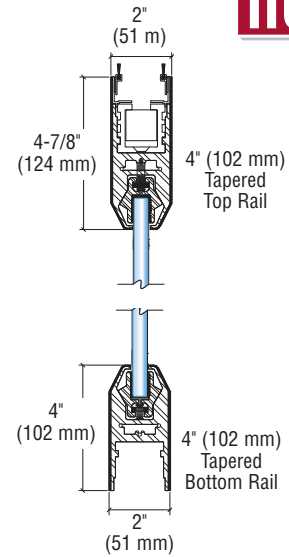
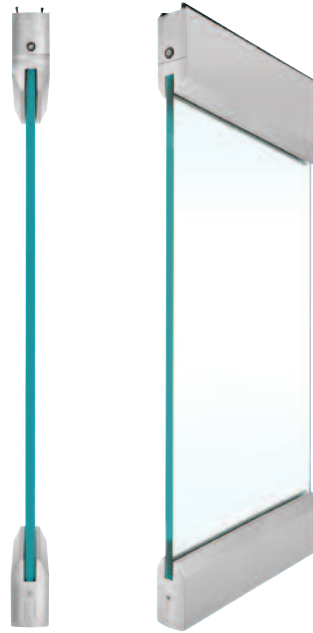
# CRL STACKING PARTITION SYSTEM

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## CRL SPS With 4" Tapered Rails Top and Bottom

- For 1/2" (12 mm) Tempered Glass
- Five Architectural Finishes

4" (102 mm) Tapered Door Rails top and bottom for use with 1/2" (12 mm) tempered glass. You have a choice of five standard Parking Configurations, as well as an endless selection of custom configurations to fit your project. You can have all sliding panels, or a combination of sliding and pivoting panels.



### AVAILABLE FINISHES

- Satin Anodized
- Black Bronze Anodized
- Brushed Stainless\*
- Polished Brass\*
- Polished Stainless\*



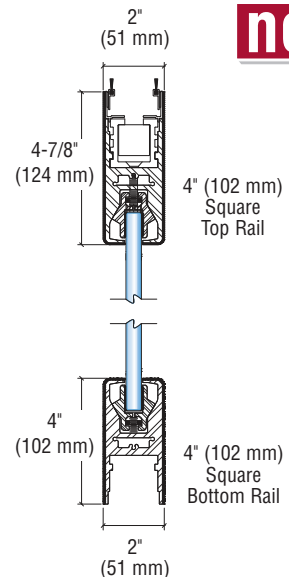
TRACK STYLE	PARKING CONFIGURATIONS				
	TYPE 1 SERIES	TYPE 2 SERIES	TYPE 3 SERIES	TYPE 4 SERIES	TYPE 5 SERIES
Standard Track	S312S1	S312S2	S312S3	S312S4	S312S5
Flanged Track	S312F1	S312F2	S312F3	S312F4	S312F5

**Note:** Track comes in a standard white powder coat unless otherwise specified.

## CRL SPS With 4" Square Rails Top and Bottom

- For 1/2" (12 mm) Tempered Glass
- Five Architectural Finishes

4" (102 mm) Square Door Rails top and bottom for use with 1/2" (12 mm) tempered glass. You have a choice of five standard Parking Configurations, as well as an endless selection of custom configurations to fit your project. You can have all sliding panels, or a combination of sliding and pivoting panels.



### AVAILABLE FINISHES

- Satin Anodized
- Black Bronze Anodized
- Brushed Stainless\*
- Polished Brass\*
- Polished Stainless\*



TRACK STYLE	PARKING CONFIGURATIONS				
	TYPE 1 SERIES	TYPE 2 SERIES	TYPE 3 SERIES	TYPE 4 SERIES	TYPE 5 SERIES
Standard Track	S412S1	S412S2	S412S3	S412S4	S412S5
Flanged Track	S412F1	S412F2	S412F3	S412F4	S412F5

**Note:** Track comes in a standard white powder coat unless otherwise specified.



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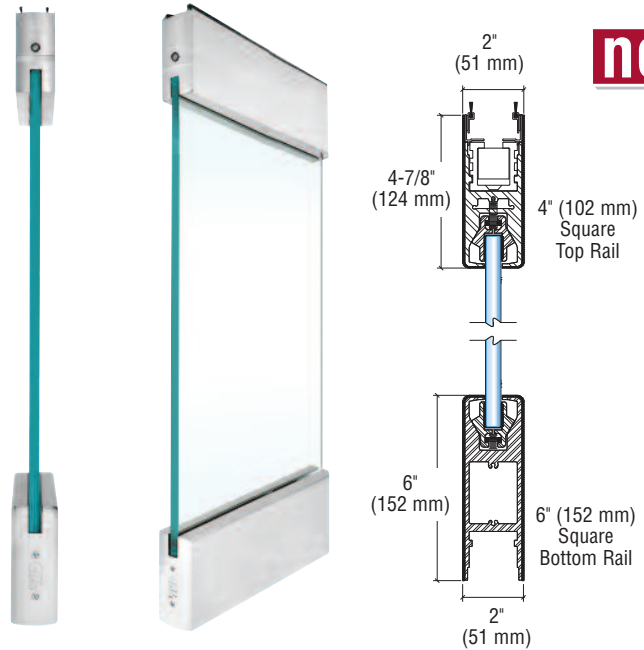
crlaurence.de



## CRL SPS With 4" Square Rail on the Top and 6" Square Rail on the Bottom

- For 1/2" (12 mm) Tempered Glass
- Five Architectural Finishes

4" (102 mm) Square Door Rail on the top and 6" Square Door Rail on the bottom for use with 1/2" (12 mm) tempered glass. You have a choice of five standard Parking Configurations, as well as an endless selection of custom configurations to fit your project. You can have all sliding panels, or a combination of sliding and pivoting panels.



**new**

### AVAILABLE FINISHES

- Satin Anodized
- Black Bronze Anodized
- Brushed Stainless\*
- Polished Brass\*
- Polished Stainless\*



\* Clad finish on 4" (102 mm) Rails, and all 6" (152 mm) Rails.

TRACK STYLE	PARKING CONFIGURATIONS				
	TYPE 1 SERIES	TYPE 2 SERIES	TYPE 3 SERIES	TYPE 4 SERIES	TYPE 5 SERIES
Standard Track	S512S1	S512S2	S512S3	S512S4	S512S5
Flanged Track	S512F1	S512F2	S512F3	S512F4	S512F5

Note: Track comes in a standard white powder coat unless otherwise specified.

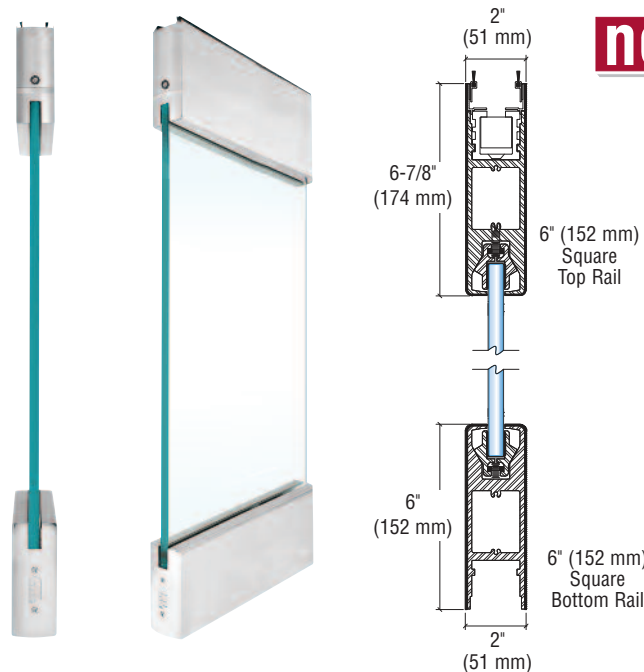
## CRL SPS With 6" Square Rails Top and Bottom

- For 1/2" (12 mm) Tempered Glass
- Five Architectural Finishes

6" (152 mm) Square Door Rails on the top and bottom for use with 1/2" (12 mm) tempered glass. You have a choice of five standard Parking Configurations, as well as an endless selection of custom configurations to fit your project. You can have all sliding panels, or a combination of sliding and pivoting panels.

### AVAILABLE FINISHES

- Satin Anodized\*
- Black Bronze Anodized\*
- Brushed Stainless\*
- Polished Brass\*
- Polished Stainless\*



**new**

TRACK STYLE	PARKING CONFIGURATIONS				
	TYPE 1 SERIES	TYPE 2 SERIES	TYPE 3 SERIES	TYPE 4 SERIES	TYPE 5 SERIES
Standard Track	S712S1	S712S2	S712S3	S712S4	S712S5
Flanged Track	S712F1	S712F2	S712F3	S712F4	S712F5

Note: Track comes in a standard white powder coat unless otherwise specified.

# CRL STACKING PARTITION SYSTEM

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## CRL SPS With 4" Square Rail on the Top and 10" Square Rail on the Bottom

- For 1/2" (12 mm) Tempered Glass
- Five Architectural Finishes

4" (102 mm) Square Door Rail on the top and 10" (254 mm) Square Door Rail on the bottom for use with 1/2" (12 mm) tempered glass. You have a choice of five standard Parking Configurations, as well as an endless selection of custom configurations to fit your project. You can have all sliding panels, or a combination of sliding and pivoting panels.

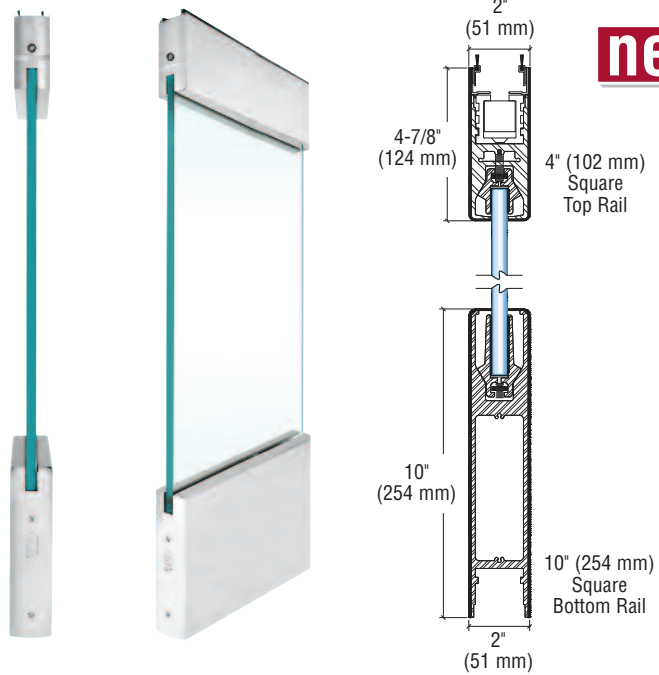


### AVAILABLE FINISHES

- Satin Anodized
- Black Bronze Anodized
- Brushed Stainless\*
- Polished Brass\*
- Polished Stainless\*



\* Clad finish on 4" (102 mm) Rails, and all 10" (254 mm) Rails.



TRACK STYLE	PARKING CONFIGURATIONS				
	TYPE 1 SERIES	TYPE 2 SERIES	TYPE 3 SERIES	TYPE 4 SERIES	TYPE 5 SERIES
Standard Track	S612S1	S612S2	S612S3	S612S4	S612S5
Flanged Track	S612F1	S612F2	S612F3	S612F4	S612F5

Note: Track comes in a standard white powder coat unless otherwise specified.

## CRL SPS With 6" Square Rail on Top and 10" Square Rail on the Bottom

- For 1/2" (12 mm) Tempered Glass
- Five Architectural Finishes

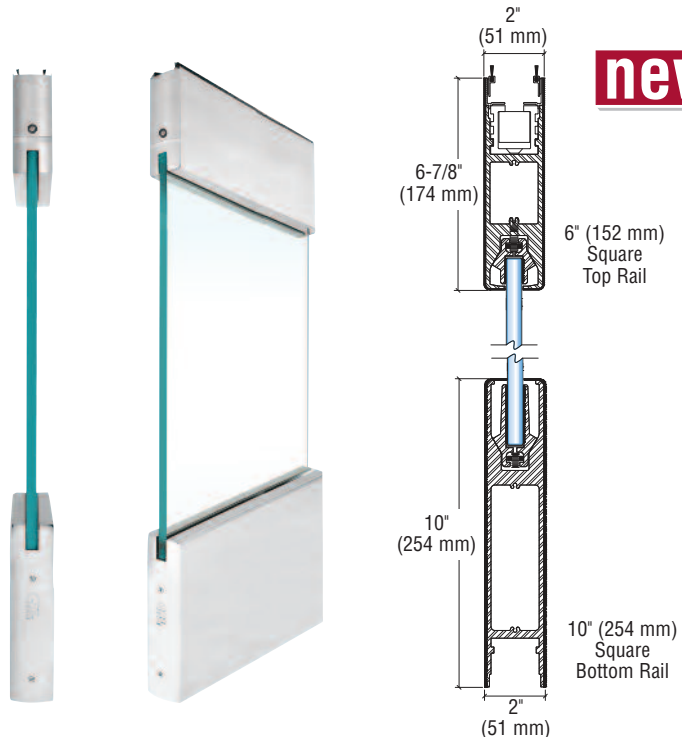
6" (152 mm) Square Door Rail on the top and 10" (254 mm) Square Door Rail on the bottom for use with 1/2" (12 mm) tempered glass. You have a choice of five standard Parking Configurations, as well as an endless selection of custom configurations to fit your project. You can have all sliding panels, or a combination of sliding and pivoting panels.

### AVAILABLE FINISHES

- Satin Anodized\*
- Black Bronze Anodized\*
- Brushed Stainless\*
- Polished Brass\*
- Polished Stainless\*



\* Clad finish



TRACK STYLE	PARKING CONFIGURATIONS				
	TYPE 1 SERIES	TYPE 2 SERIES	TYPE 3 SERIES	TYPE 4 SERIES	TYPE 5 SERIES
Standard Track	S812S1	S812S2	S812S3	S812S4	S812S5
Flanged Track	S812F1	S812F2	S812F3	S812F4	S812F5

Note: Track comes in a standard white powder coat unless otherwise specified.



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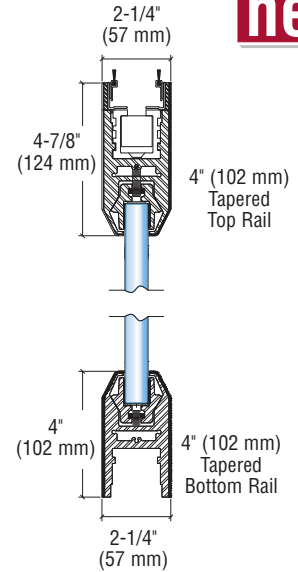
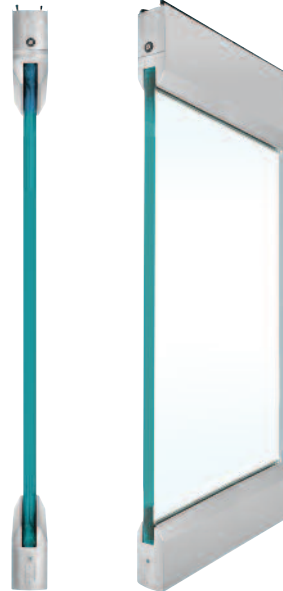
crlaurence.co.uk

crlaurence.de

## CRL SPS With 4" Tapered Rails Top and Bottom

- For 3/4" (19 mm) Tempered Glass
- Five Architectural Finishes

4" (102 mm) Tapered Door Rails top and bottom for use with 3/4" (19 mm) tempered glass. You have a choice of five standard Parking Configurations, as well as an endless selection of custom configurations to fit your project. You can have all sliding panels, or a combination of sliding and pivoting panels.



**new**

### AVAILABLE FINISHES

- Satin Anodized
- Black Bronze Anodized
- Brushed Stainless\*
- Polished Brass\*
- Polished Stainless\*

\* Clad finish



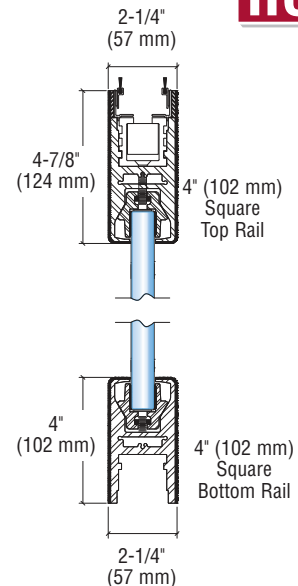
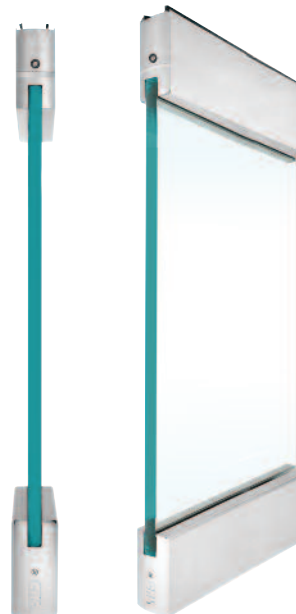
TRACK STYLE	PARKING CONFIGURATIONS				
	TYPE 1 SERIES	TYPE 2 SERIES	TYPE 3 SERIES	TYPE 4 SERIES	TYPE 5 SERIES
Standard Track	<b>S334S1</b>	<b>S334S2</b>	<b>S334S3</b>	<b>S334S4</b>	<b>S334S5</b>
Flanged Track	<b>S334F1</b>	<b>S334F2</b>	<b>S334F3</b>	<b>S334F4</b>	<b>S334F5</b>

**Note:** Track comes in a standard white powder coat unless otherwise specified.

## CRL SPS With 4" Square Rails Top and Bottom

- For 3/4" (19 mm) Tempered Glass
- Five Architectural Finishes

4" (102 mm) Square Door Rails top and bottom for use with 3/4" (19 mm) tempered glass. You have a choice of five standard Parking Configurations, as well as an endless selection of custom configurations to fit your project. You can have all sliding panels, or a combination of sliding and pivoting panels.



**new**

### AVAILABLE FINISHES

- Satin Anodized
- Black Bronze Anodized
- Brushed Stainless\*
- Polished Brass\*
- Polished Stainless\*

\* Clad finish



TRACK STYLE	PARKING CONFIGURATIONS				
	TYPE 1 SERIES	TYPE 2 SERIES	TYPE 3 SERIES	TYPE 4 SERIES	TYPE 5 SERIES
Standard Track	<b>S434S1</b>	<b>S434S2</b>	<b>S434S3</b>	<b>S434S4</b>	<b>S434S5</b>
Flanged Track	<b>S434F1</b>	<b>S434F2</b>	<b>S434F3</b>	<b>S434F4</b>	<b>S434F5</b>

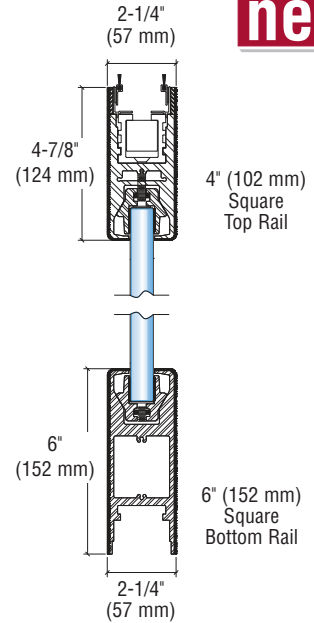
**Note:** Track comes in a standard white powder coat unless otherwise specified.



## CRL SPS With 4" Square Rail on the Top and 6" Square Rail on the Bottom

- For 3/4" (19 mm) Tempered Glass
- Five Architectural Finishes

4" (102 mm) Square Door Rail on the top and 6" (152 mm) Square Door Rail on the bottom for use with 3/4" (19 mm) tempered glass. You have a choice of five standard Parking Configurations, as well as an endless selection of custom configurations to fit your project. You can have all sliding panels, or a combination of sliding and pivoting panels.



**new**

- AVAILABLE FINISHES**
- Satin Anodized
  - Black Bronze Anodized
  - Brushed Stainless\*
  - Polished Brass\*
  - Polished Stainless\*



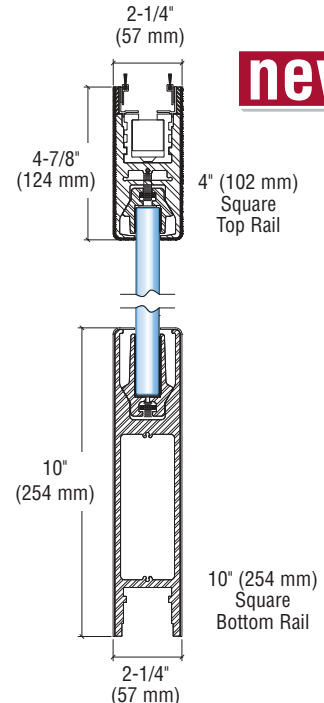
TRACK STYLE	PARKING CONFIGURATIONS				
	TYPE 1 SERIES	TYPE 2 SERIES	TYPE 3 SERIES	TYPE 4 SERIES	TYPE 5 SERIES
Standard Track	<b>S534S1</b>	<b>S534S2</b>	<b>S534S3</b>	<b>S534S4</b>	<b>S534S5</b>
Flanged Track	<b>S534F1</b>	<b>S534F2</b>	<b>S534F3</b>	<b>S534F4</b>	<b>S534F5</b>

**Note:** Track comes in a standard white powder coat unless otherwise specified.

## CRL SPS With 4" Square Rail on the Top and 10" Square Rail on the Bottom

- For 3/4" (19 mm) Tempered Glass
- Five Architectural Finishes

4" (102 mm) Square Door Rail on the top and 10" (254 mm) Square Door Rail on the bottom for use with 3/4" (19 mm) tempered glass. You have a choice of five standard Parking Configurations, as well as an endless selection of custom configurations to fit your project. You can have all sliding panels, or a combination of sliding and pivoting panels.



**new**

- AVAILABLE FINISHES**
- Satin Anodized
  - Black Bronze Anodized
  - Brushed Stainless\*
  - Polished Brass\*
  - Polished Stainless\*



TRACK STYLE	PARKING CONFIGURATIONS				
	TYPE 1 SERIES	TYPE 2 SERIES	TYPE 3 SERIES	TYPE 4 SERIES	TYPE 5 SERIES
Standard Track	<b>S634S1</b>	<b>S634S2</b>	<b>S634S3</b>	<b>S634S4</b>	<b>S634S5</b>
Flanged Track	<b>S634F1</b>	<b>S634F2</b>	<b>S634F3</b>	<b>S634F4</b>	<b>S634F5</b>

**Note:** Track comes in a standard white powder coat unless otherwise specified.

## CRL Stacking Partition System Accessories

- CRL Offers SPS Accessories to Cover Most Installation Requirements
- Custom Fabricated to Meet Your Needs



Spacing Bumper and Pin Receptacle for Adjacent Panel Slide Bolt



End Operated Slide Bolt that Locks into the Pin Receptacle and Floor



Adjustable Nylon Brush Gap Filler



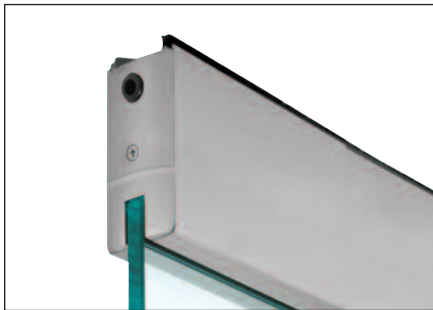
Thumbturn Operated Floor Bolt



Key Cylinder Operated Floor Bolt



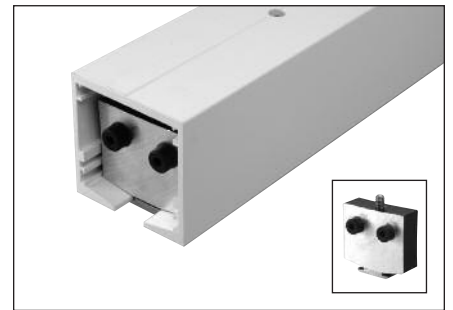
Top Pivot for Swinging Doors



Top Rail End Cap/Bumper



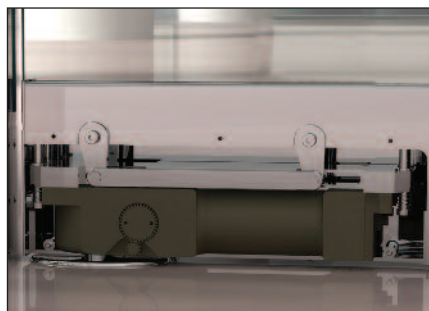
Slide Bolt and Floor Bolt Dustproof Keeper with Mounting Plate



Adjustable Roller Stop



Convertible Door Top Rail



Convertible Door Bottom Closer



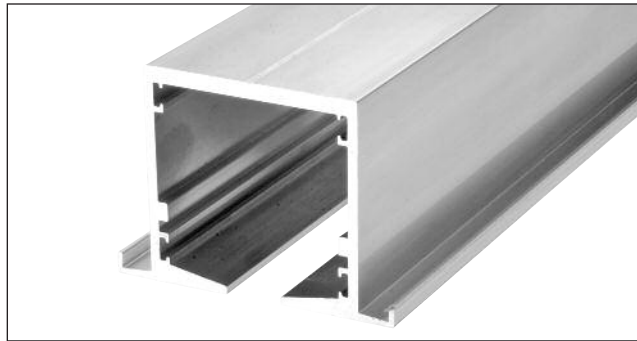
Cat. No. 90SCW Wrench for Convertible Door

## CRL SPS Overhead Straight Track



Standard Track for Almost Any Installation

- **Two Track Styles: Standard – for Almost Any Installation; and Flanged – for Drop Ceiling Installations**
- **Available in Mill Aluminum or White Powder Paint Finishes (Cladding on Special Order)**
- **Two Stock Lengths 120" (3.05 m) and 240" (6.10 m), Plus Splices for Roller Access**
- **Track is Pre-Drilled for 3/8" (9.5 mm) Fasteners at 24" (610 mm) Center-to-Center Spacing**
- **Fabricated Corners and Intersections**



Flanged Track for Drop Ceiling Installations

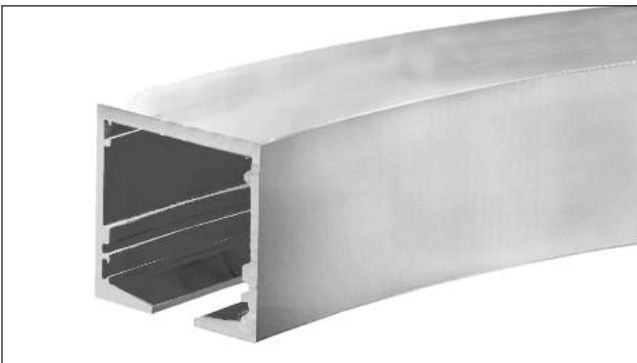
CRL SPS Overhead Track and Access Splices are 6063-T6 Alloy Aluminum, and are designed to accommodate the heavier loads required in stacking system installations. Two configurations, three lengths, and two finishes are carried in stock for immediate shipment. Lengths requiring cladding require 5 to 7 working days to fabricate. All lengths are pre-drilled at 24" (610 mm) on center for 3/8" (9.5 mm) fasteners.

Contact Technical Sales for additional information at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. Send e-mail from the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

STANDARD TRACK CAT. NO.	FLANGED TRACK CAT. NO.	DESCRIPTION	FINISH	LENGTH
S90120M	L90120M	Pre-Drilled Overhead Track	Mill Aluminum	120" (3.05 m)
S90240M	L90240M	Pre-Drilled Overhead Track	Mill Aluminum	240" (6.10 m)
S906M	L906M	Pre-Drilled Roller Access Splice	Mill Aluminum	6" (152.4 mm)*
S90120W	L90120W	Pre-Drilled Overhead Track	White Powder Paint	120" (3.05 m)
S90240W	L90240W	Pre-Drilled Overhead Track	White Powder Paint	240" (6.10 m)
S906W	L906W	Pre-Drilled Roller Access Splice	White Powder Paint	6" (152.4 mm)*

Minimum order: 1 each. Must ship common carrier. \*Roller Access Splice should be located in front of the first parking intersection.

## CRL SPS Overhead Curved Track



- **Curved Track Configuration in Standard Style Only**
- **Available in Mill Aluminum or White Powder Paint Finishes (Cladding on Special Order)**
- **Length and Radius\* Must Be Specified at Time of Ordering**

CRL SPS Curved Overhead Track is 6063-T6 Alloy Aluminum, and is designed to accommodate the heavier loads required in stacking system installations. Curved Overhead Track is offered only in the Standard Style. Length and radius\* must be specified at time of ordering. Minimum radius is 12' (3.66 m). Contact Technical Sales for additional information at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. Send e-mail from the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

CURVED TRACK CAT. NO.	FINISH	LENGTH AND RADIUS
C90MC	Mill Aluminum	Custom-Specify
C90WC	White Powder Paint	Custom-Specify

Minimum order: 1 each. Must ship common carrier.



## CRL SPS Self-Guiding Corners and Intersections

- Available in Mill Aluminum or White Powder Coated Aluminum
- Custom Colors Available on Special Order
- Completely Fabricated and Ready to Install

CRL SPS Self-Guiding Corners and Intersections are designed to easily guide the panels through an infinite variety of configurations and parking conditions to meet your specific job needs. Through the use of integral Switch Blocks in the various intersections and the Intelli-Track™ Rollers, the panels will steer to pre-selected parking areas automatically. All Corners and Intersections come with four drive-in alignment strips for each joint, and are pre-drilled for proper mounting to the substrate.

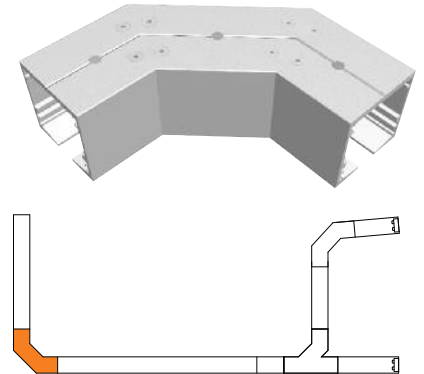
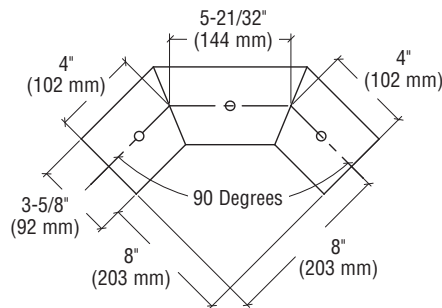


### CRL SPS Self-Guiding 90 Degree Corner

- Segmented Design for Smooth Transition Through 90 Degree Turn

STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90SC90M	Mill Aluminum	90LC90M
90SC90W	White Powder Paint	90LC90W

Minimum order: 1 each.



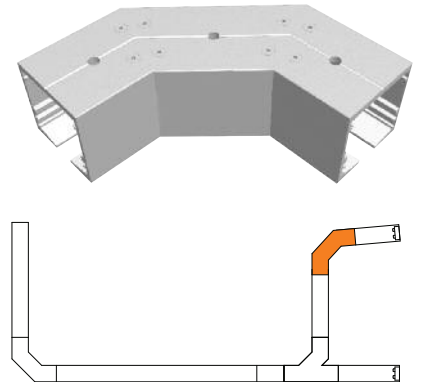
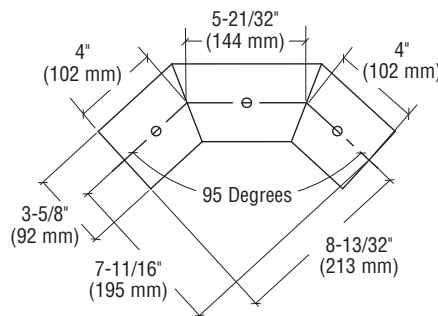
### CRL SPS Self-Guiding 95 Degree Corner

- Primarily Used in 90 Degree Parking Areas to Provide Smooth Panel Movement

Designed to spread the parking area rails 5 degrees, to prevent binding of the panels when they are pushed into their final parking position.

STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90SC95M	Mill Aluminum	90LC95M
90SC95W	White Powder Paint	90LC95W

Minimum order: 1 each.

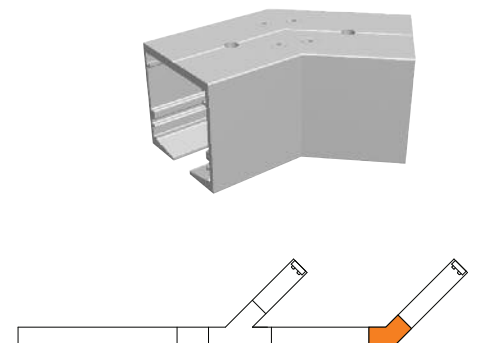
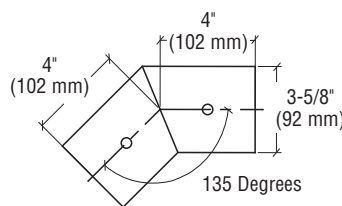


### CRL SPS Self-Guiding 135 Degree Corner

- For Smooth Transition Through 135 Degree Corner
- Primarily Used in 135 Degree Perpendicular Parking Areas

STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90SC135M	Mill Aluminum	90LC135M
90SC135W	White Powder Paint	90LC135W

Minimum order: 1 each.



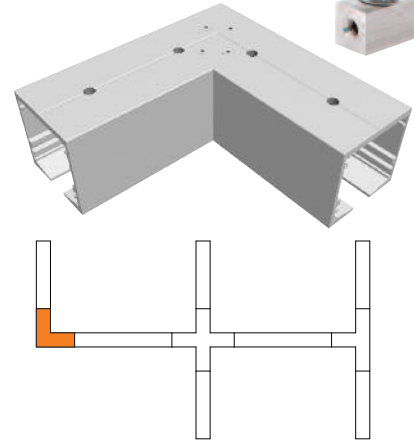
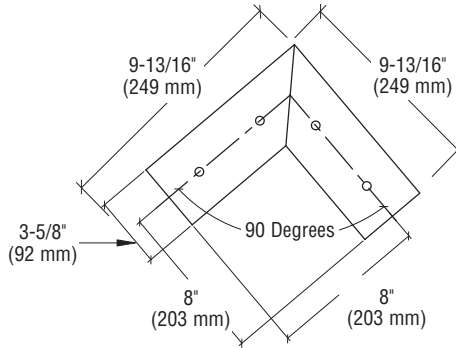
# CRL STACKING PARTITION SYSTEM

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## CRL SPS Manual Corners and Intersections

### CRL SPS Manual 90 Degree Corner

- Used to Create Tight 90 Degree Panel Corners
- Space Saver for Limited Parking Areas

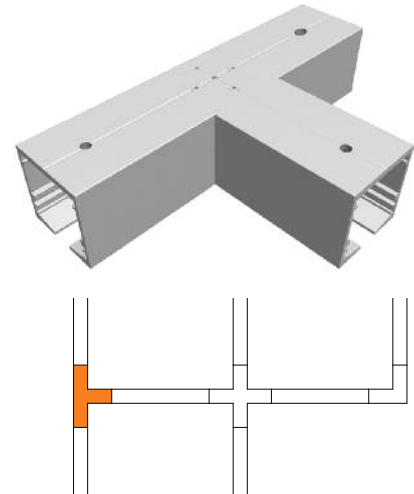
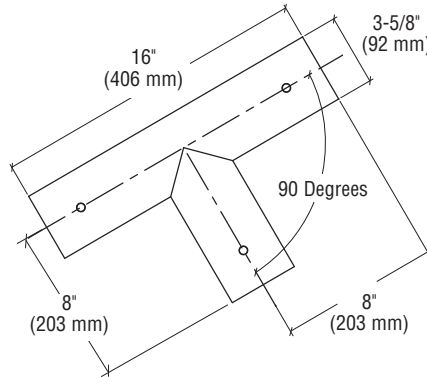


STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90SM90CM	Mill Aluminum	90LM90CM
90SM90CW	White Powder Paint	90LM90CW

Minimum order: 1 each.

### CRL SPS Manual 90 Degree "T" Intersection

- Used to Connect Multiple Panel Walls at 90 Degree Intersection
- Allows Panels to Travel to Various Parking Areas

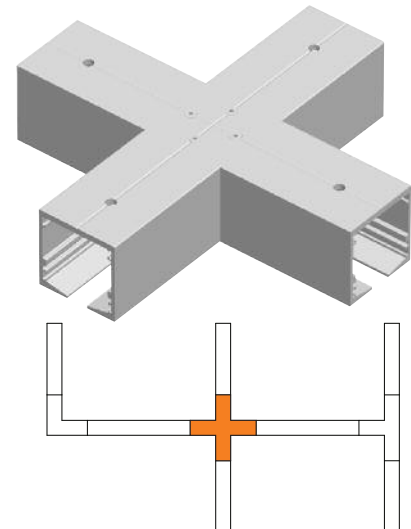
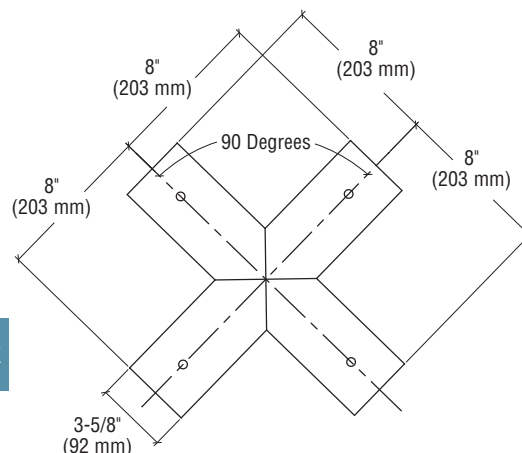


STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90SM90TM	Mill Aluminum	90LM90TM
90SM90TW	White Powder Paint	90LM90TW

Minimum order: 1 each.

### CRL SPS Manual 4-Way Cross Intersection

- Allows Panels to Travel to Various Parking Areas
- Used to Connect Multiple Panel Walls at 90 Degree Intersection



STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90SM4WM	Mill Aluminum	90LM4WM
90SM4WW	White Powder Paint	90LM4WW

Minimum order: 1 each.



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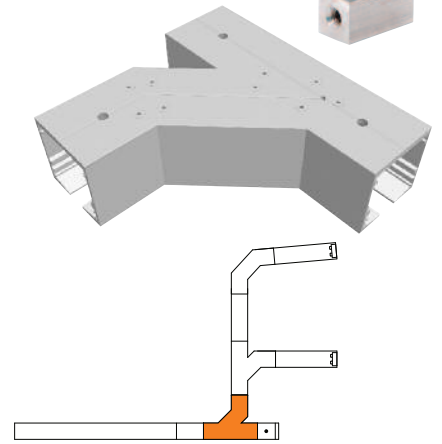
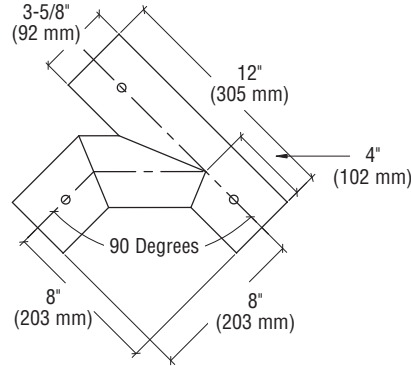
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crlaurence.com

## CRL SPS Self-Guiding Corners and Intersections

### CRL SPS Self-Guiding 90 Degree Left Hand Intersection With Switch Block

- Primarily Used in Parking Areas
- Panels Can Be Programmed to Go Specific Directions When Used With Intelli-Track™ Rollers



STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90S90LM	Mill Aluminum	90L90LM
90S90LW	White Powder Paint	90L90LW

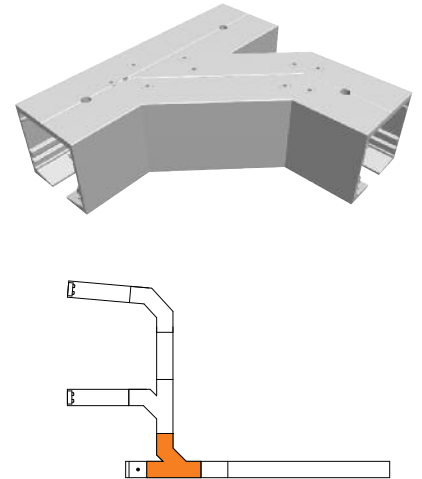
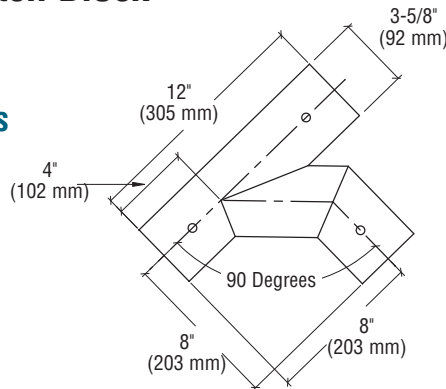
Minimum order: 1 each.

### CRL SPS Self-Guiding 90-Degree Right Hand Intersection With Switch Block

- Panels Can Be Programmed to Go Specific Directions When Used With Intelli-Track™ Rollers
- Primarily Used in Parking Areas

STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90S90RM	Mill Aluminum	90L90RM
90S90RW	White Powder Paint	90L90RW

Minimum order: 1 each.





# CRL STACKING PARTITION SYSTEM

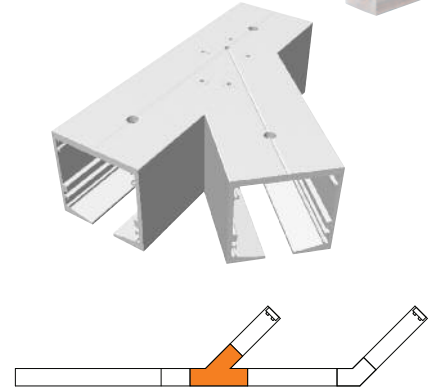
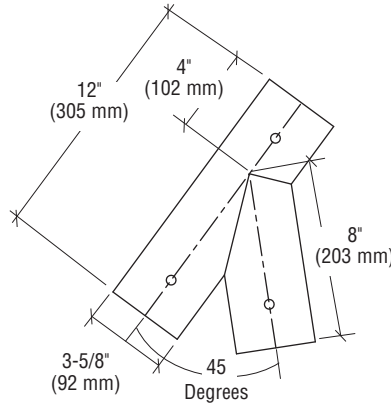
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## CRL SPS Self-Guiding Corners and Intersections

### CRL SPS Self-Guiding 135 Degree Left Hand Intersection With Switch Block



- Panels Can Be Programmed to Go Specific Directions
- Primarily Used in Parking Areas

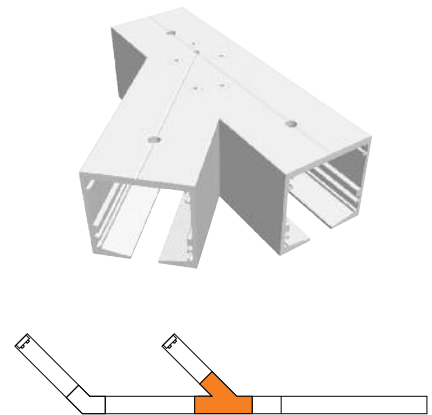
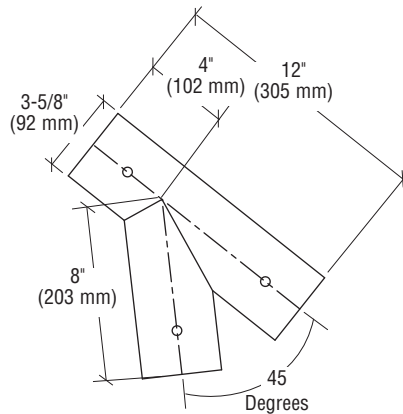


STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90S135LM	Mill Aluminum	90L135LM
90S135LW	White Powder Paint	90L135LW

Minimum order: 1 each.

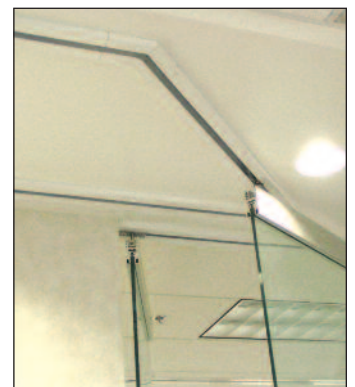
### CRL SPS Self-Guiding 135 Degree Right Hand Intersection With Switch Block

- Primarily Used in Parking Areas
- Panels Can Be Programmed to Go Specific Directions



STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90S135RM	Mill Aluminum	90L135RM
90S135RW	White Powder Paint	90L135RW

Minimum order: 1 each.



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## CRL SPS Self-Guiding Corners and Intersections

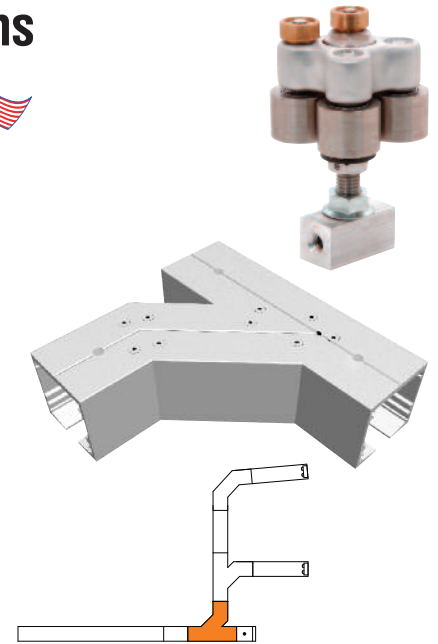
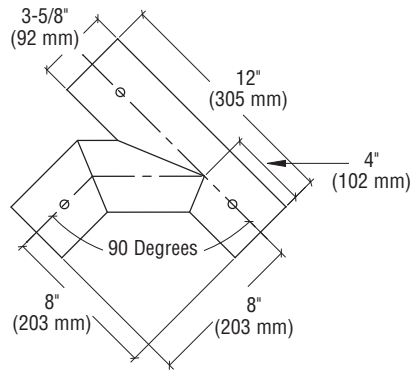
### CRL SPS Self-Guiding 90 Degree Left Hand Intersection With Forced Diverter



- Panels Are Forced to Go a Specific Direction
- Primarily Used in Parking Areas

STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90S90FLM	Mill Aluminum	90L90FLM
90S90FLW	White Powder Paint	90L90FLW

Minimum order: 1 each.

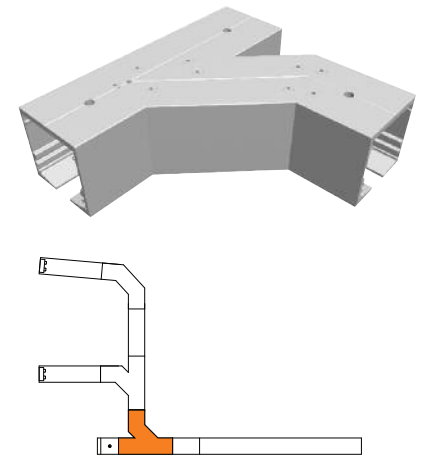
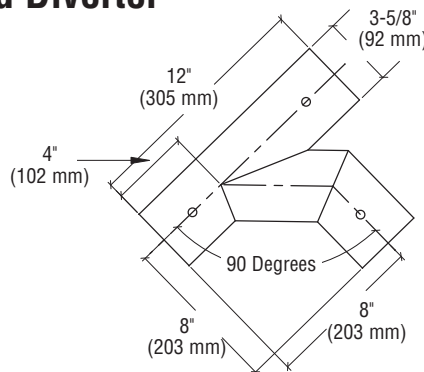


### CRL SPS Self-Guiding 90 Degree Right Hand Intersection With Forced Diverter

- Primarily Used in Parking Areas
- Panels Are Forced to Go a Specific Direction

STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90S90FRM	Mill Aluminum	90L90FRM
90S90FRW	White Powder Paint	90L90FRW

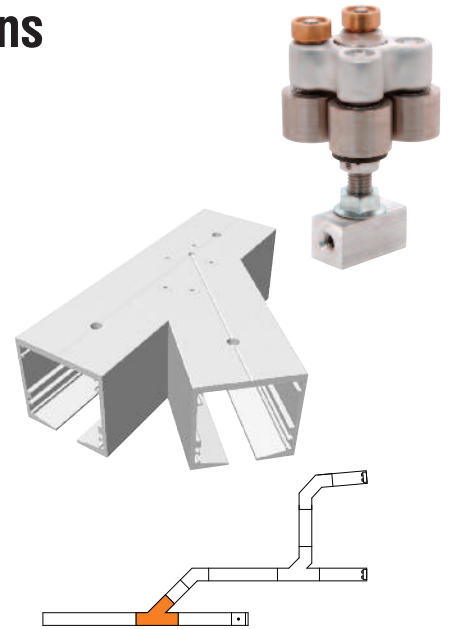
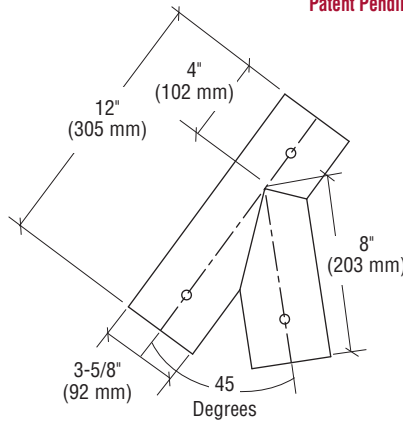
Minimum order: 1 each.



## CRL SPS Self-Guiding Corners and Intersections

### CRL SPS Self-Guiding 135 Degree Left Hand Intersection With Forced Diverter

- Panels Are Forced to Go a Specific Direction
- Primarily Used in Parking Areas

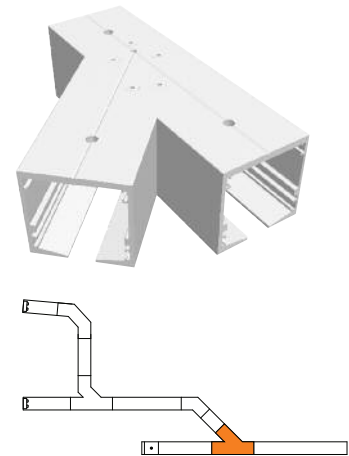
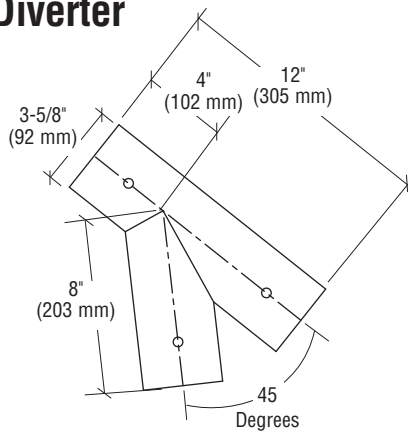


STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90S135FLM	Mill Aluminum	90L135FLM
90S135FLW	White Powder Paint	90L135FLW

Minimum order: 1 each.

### CRL SPS Self-Guiding 135 Degree Right Hand Intersection With Forced Diverter

- Primarily Used in Parking Areas
- Panels Are Forced to Go a Specific Direction



STANDARD TRACK CAT. NO.	FINISH	FLANGED TRACK CAT. NO.
90S135FRM	Mill Aluminum	90L135FRM
90S135FRW	White Powder Paint	90L135FRW

Minimum order: 1 each.





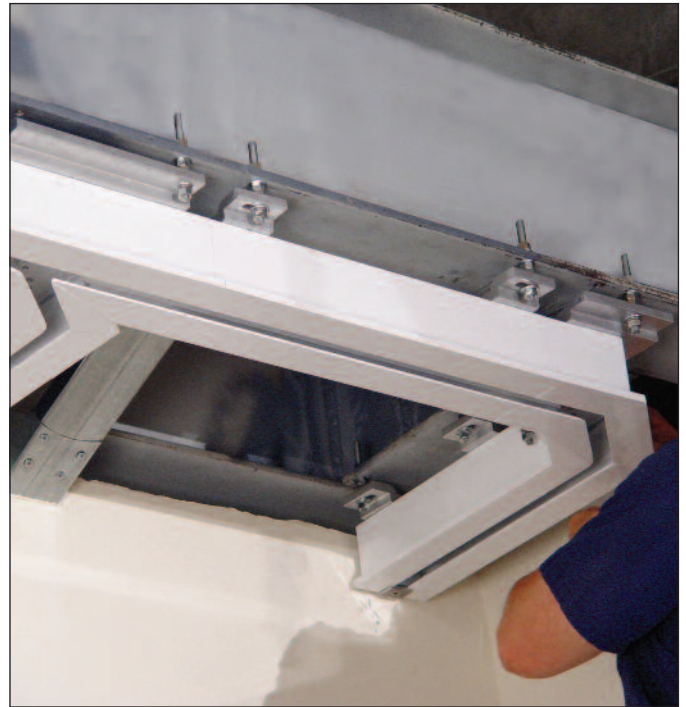
## CRL SPS Track Suspension System Mounting Components

### • Track Mounting Assistance

Proper mounting of the CRL SPS Overhead Track is crucial to the performance of the entire system. Since this is a suspended system, all the weight of the panels must be supported by the Overhead Track, and ultimately by the substrate and the fasteners used to hang the track. So we developed a Track Suspension System to accommodate multiple attachment elevations on a single run of SPS Track.

In a perfect world, the Overhead Track can be attached directly to the substrate, however, actual job conditions do not always allow for this, so we developed a complete line of Track Suspension Mounting Components to help overcome a variety of common installation obstacles. The various combinations of these Components will allow you to properly secure the SPS Track around ductwork, beams or other obstructions commonly found above a drop ceiling. Consult a structural engineer for the proper fasteners to attach these components to the structure.

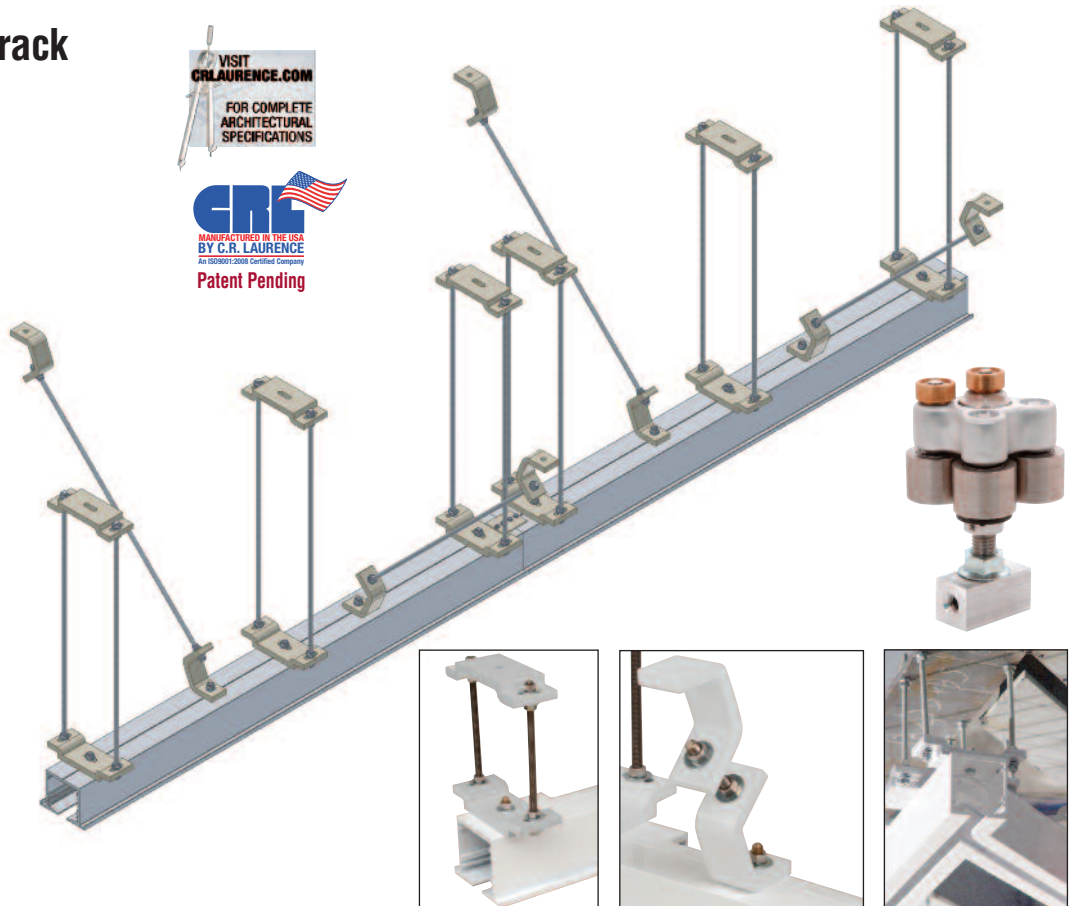
CRL Technical Sales can assist in choosing the right combination of mounting hardware for your particular job. For assistance contact us at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. You can send e-mail through our web site at [crlaurence.com](http://crlaurence.com). Click on Contact Us, and then click on Technical Sales for Commercial Products.



## Typical Suspended Track Featuring Extended Support Assembly and Angled Support Assembly

With the right combination of SPS Track Suspension System Mounting Components you can safely install a beautiful Stacking Partition System just about anywhere there is a suitably sound structure to support its weight.

For design assistance contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 in Canada, or (323) 588-1281 International. Ask for Ext. 7700. For e-mail go to the [crlaurence.com](http://crlaurence.com) home page and click on Contact Us, and then click on Technical Sales for Commercial Products.



## CRL SPS Alternate Locking Hardware

In its pure form, the CRL Stacking Partition System gives you maximum viewing area with minimal metal to detract from its beauty and elegance. This is not achieved without certain compensations being made, namely the way the door panels lock. Since there is no vertical metal to house any locking mechanisms, all the locking is done at floor level. We include several foot-activated deadbolts, but the first and last panels of every system require the user to hand-activate the locking mechanism. In true CRL fashion, we have reviewed this issue thoroughly and are proud to offer alternate locking hardware solutions.



## CRL Locking Ladder Pulls

- Lock Operates at a Comfortable Height Above the Floor
- Completely Fabricated and Ready to Install
- Seven Styles in Stock, Custom Sizes Available on Special Order

**new**



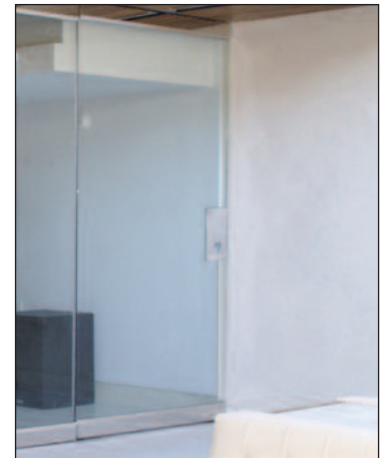
The newest and most practical option for 'all-glass' entrances is CRL's new Locking Ladder Pulls. These Locking Ladder Pulls have a fully concealed deadbolt locking mechanism with vertical models that lock into the floor, or both floor and head locking. There are also Horizontal Pulls that lock into a jamb or sidelite. See pages Z492-Z497 for information on these innovative new locking systems.

## CRL Center Lock With Bottom Rail Extension Rod Throw

- Completely Fabricated and Ready to Install
- Available in Five Standard Architectural Finishes
- Custom Finishes Available on Special Order



**new**



This 4" x 10" Center Lock has an extended throw that latches through the bottom door rail and into the floor. It is completely activated at a comfortable distance above the floor. See page Z508 for the complete story on this new and convenient locking concept.

## CRL Deadbolt Handles

- Completely Fabricated and Ready to Install
- Available in Five Standard Architectural Finishes
- Custom Finishes Available on Special Order

These UL Classified Deadbolt Handles are a quick and easy way to lock your SPS Doors from a comfortable 36" (914 mm) above the floor. See page Z478 for details on the CRL Deadbolt Handles, with specifications and ordering options.





## CRL Heavy Glass Sliding Door Systems

- Systems for Use With 5/16" to 1/2" (8 to 12 mm) Tempered Glass
- Top Hung or Bottom Rolling Configurations for Commercial and Residential Use
- Sliding and Bi-Fold Doors From Off the Shelf Components or Custom Built to Fit the Opening
- Up to Seven Stock Architectural Finishes or in Custom Finishes as Required



CRL Heavy Glass Sliding Door Systems give you design flexibility when building room partitions or mall fronts. Sliding doors are not only attractive, they save valuable floor space in a retail environment where you must maximize the available display area. In the following pages you will see many of the CRL Door Systems that can help you construct door systems that function well and allow you to maximize the advantages 'all-glass' doors offer.





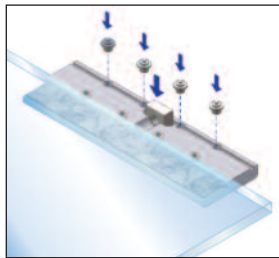
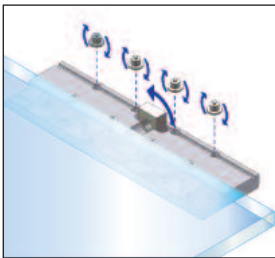
## CRL EZ-Slide 80 Top Hung Single Track Sliding Door System

- This System is for 5/16" (8 mm) or 3/8" (10 mm) Tempered Glass
- Rated for Panels Weighing Up to 176 Pounds (80 kg)
- No Notches or Holes Needed in the Glass for Installation

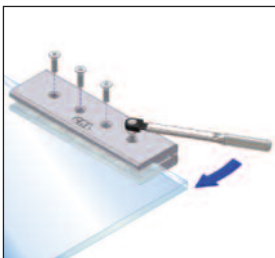
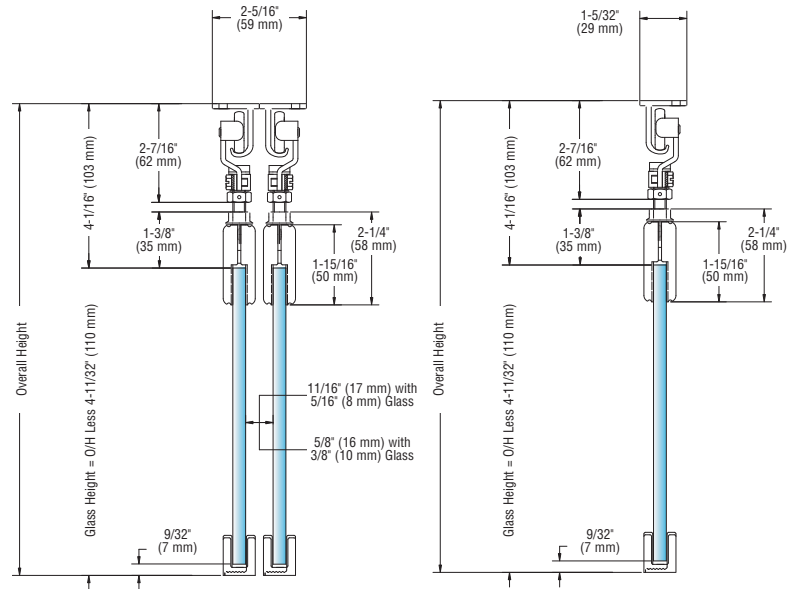


The CRL EZ-Slide 80 Top Hung Single Track Sliding Door System is an easy to install and cost effective solution to adding modern, elegant looking sliding doors in commercial or residential applications. The only glass fabrication required is to polish the edges. If handles or knobs are desired, holes will be required for their mounting. Optional break metal covers are available on special order to help conceal the operating hardware.

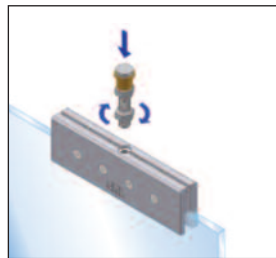
**NOTE:** The EZ-Slide System is not designed for use in shower or steam room applications.



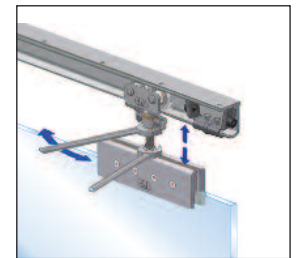
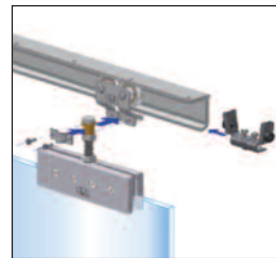
Each CRL EZ-Slide 80 Clamp Assembly is easily convertible to accommodate either 5/16" (8 mm) or 3/8" (10 mm) tempered glass by simply reversing the Spacer Pins.



With no required notches or holes, the Clamp Assemblies can be positioned as desired along the top edge of the glass.



Panels easily attach to Roller hardware via a Regulator Bolt. Positioning is a snap with dual Roller Stops



Fine tune adjustments to align the panel edges with the opening and floor clearances are as simple as turning a wrench.

For more information on this versatile and easy to install system, 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 home page of [crlaurence.com](http://crlaurence.com). Click on Contact Us, and then click on Technical Sales for Commercial Products.

## CRL EZ-Slide 80 System Components

- For Use With 5/16" (8 mm) or 3/8" (10 mm) Tempered Glass



### CRL EZ-Slide 80 Top Track

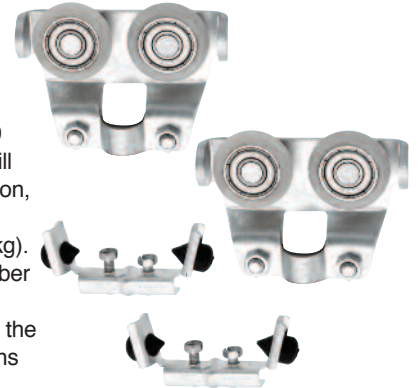
CRL EZ-Slide 80 Top Track is made of 6063-T6 Alloy Aluminum with a dark bronze hard anodized finish. It comes in 158-1/2" (4 m) stock lengths pre-drilled for #10 (4 mm) fasteners at 9-13/16" (250 mm) centers. Fasteners are not included. Minimum order is one each. Must ship common carrier. **NOTE:** Optional break metal covers are available on special order to help conceal the track and operating hardware



CAT. NO. CRL3319

### CRL EZ-Slide 80 Rollers and Stops

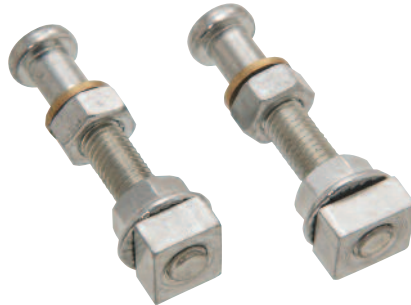
CRL EZ-Slide 80 Rollers and Stops are designed for use with the CRL EZ-Slide 80 Top Track. A pair of Rollers will provide smooth, silent operation, and are rated for panels that weigh up to 176 pounds (80 kg). The Stops, complete with rubber bumpers, can be set and secured at any location along the Top Track. Each pack contains two Rollers and two Stops. Minimum order is one pack.



CAT. NO. CRL3924

### CRL EZ-Slide 80 Regulator Bolts

CRL EZ-Slide 80 Regulator Bolts allow easy height and alignment adjustments to be made while the panels remain hanging on the Top Track. Each pack contains two Regulator Bolts. Minimum order is one pack.



CAT. NO. CRL3325

### CRL EZ-Slide 80 Clamps and Bottom Guide

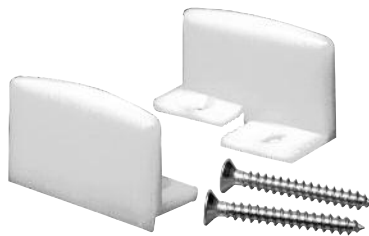
CRL EZ-Slide 80 Clamps and Bottom Guide are easily converted for use with 5/16" (8 mm) or 3/8" (10 mm) tempered glass. A pair of Clamps is rated for panels that weigh up to 176 pounds (80 kg). They grip the glass with precision-controlled pressure. No drilling or notching of the glass is required. Each pack contains two Clamps, Screws, and one nylon Bottom Guide. Minimum order is one pack.



CAT. NO. CRL3926

### CRL EZ-Slide 80/180 Bottom Guide

CRL EZ-Slide 80/180 Bottom Guides are made from durable and long-lasting nylon that will provide years of use. Its two-part construction allows it to be adjusted for 5/16" (8 mm), 3/8" (10 mm), or 1/2" (12 mm) glass thickness. Each Bottom Guide comes complete with mounting screws. Minimum order is one each.



CAT. NO. CRL3938

### Optional Pull Hardware



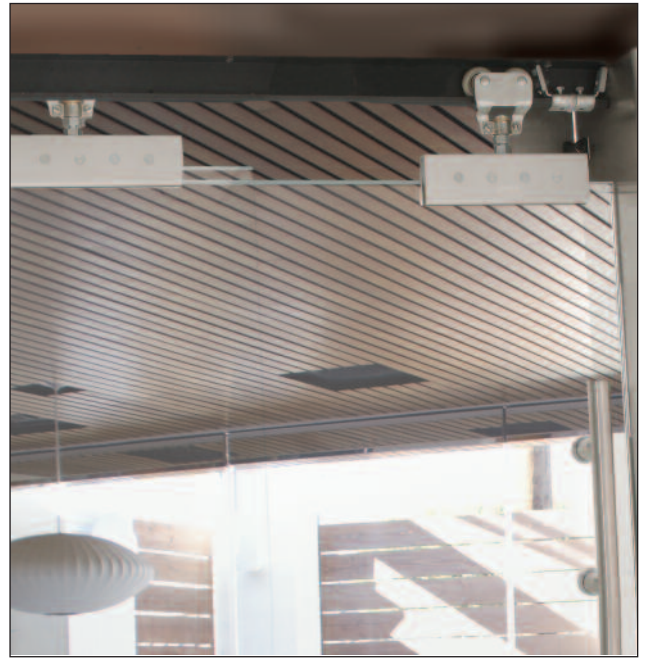
CRL Thru-Glass Pull  
Cat. No. FP214BS  
see page Z553

CRL SGH8 Series  
Frameless Sliding  
Door Handle  
see page Z504



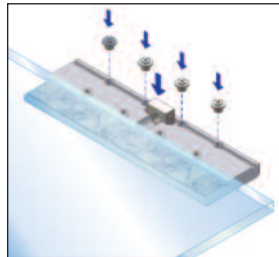
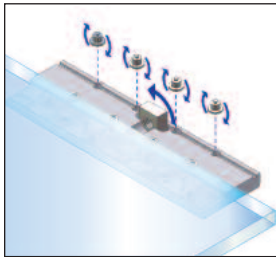
## CRL EZ-Slide 180 Top Hung Single Track Sliding Door System

- This System is for 3/8" (10 mm) or 1/2" (12 mm) Tempered Glass
- Rated for Panels Weighing Up to 396 Pounds (180 kg)
- No Notches or Holes Needed in the Glass for Installation

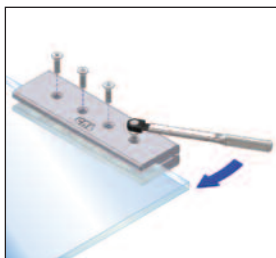
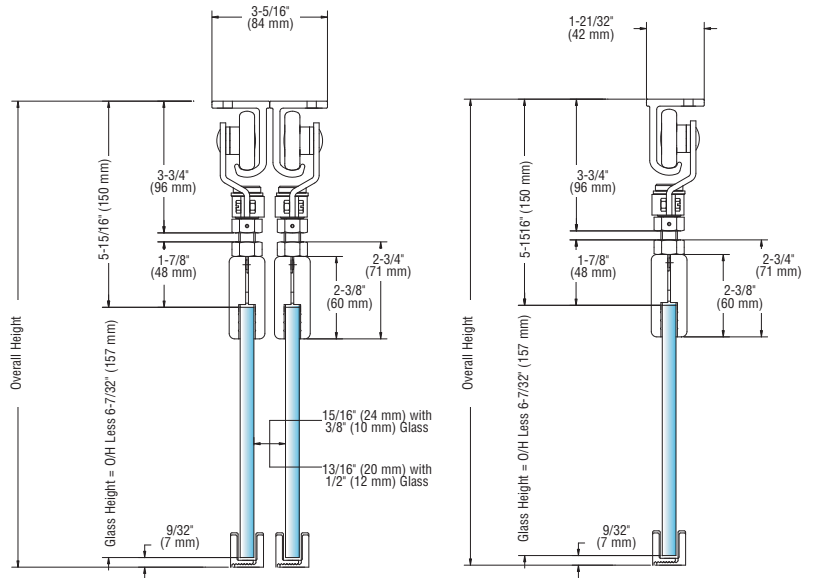


The CRL EZ-Slide 180 Top Hung Single Track Sliding Door System is a sturdier version of the EZ-Slide 80 System, and can handle over twice the weight. It is just as easy to install, and requires no glass fabrication other than edge polishing. If handles or knobs are desired, holes will be needed for their mounting. Optional break metal covers are available on special order to help conceal the operating hardware.

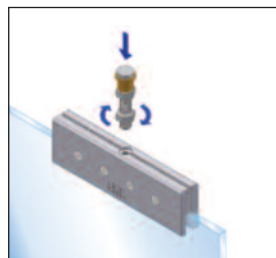
**NOTE:** The EZ-Slide System is not intended for use in shower or steam room applications.



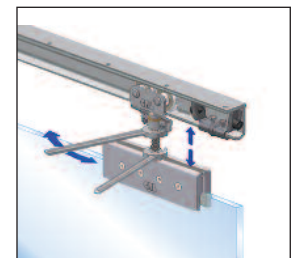
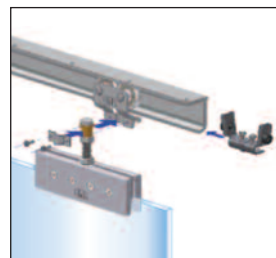
Each CRL EZ-Slide 180 Clamp Assembly is easily convertible to accommodate either 3/8" (10 mm) or 1/2" (12 mm) tempered glass by simply reversing the Spacer Pins.



With no required notches or holes, the Clamp Assemblies can be positioned as desired along the top edge of the glass.



Panels easily attach to Roller hardware via a Regulator Bolt. Positioning is a snap with dual Roller Stops.



Fine tune adjustments to align the panel edges with the opening and floor clearances are as simple as turning a wrench.

For more information on this sturdy yet easy to install system, 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 home page of [crlaurence.com](http://crlaurence.com). Click on Contact Us, and then click on Technical Sales for Commercial Products.



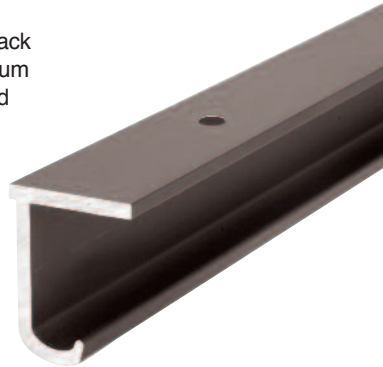
## CRL EZ-Slide 180 System Components

- For Use With 3/8" (10 mm) or 1/2" (12 mm) Tempered Glass



### CRL EZ-Slide 180 Top Track

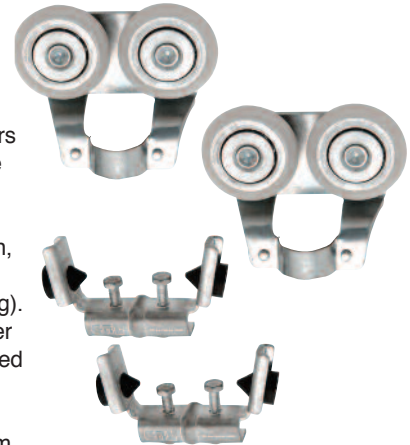
The CRL EZ-Slide 180 Top Track is made of 6063-T6 Alloy Aluminum with a dark bronze hard anodized finish. It comes in 158-1/2" (4 m) stock lengths that are pre-drilled for #12 (5 mm) fasteners at 4-13/16" (122 mm) centers. Fasteners are not included. Minimum order is one each. Must ship common carrier. **NOTE:** Optional break metal covers are available on special order to help conceal the track and operating hardware.



CAT. NO. CRL3611

### CRL EZ-Slide 180 Rollers and Stops

The CRL EZ-Slide 180 Rollers and Stops are designed for use with the CRL EZ-Slide 180 Top Track. A pair of Rollers will provide smooth, silent operation, and are rated for panels that weigh up to 396 pounds (180 kg). The Stops, complete with rubber bumpers, can be set and secured at any location along the Top Track. Each pack contains two Rollers and two Stops. Minimum order is one pack.



CAT. NO. CRL3927

### CRL EZ-Slide 180 Regulator Bolts

The CRL EZ-Slide 180 Regulator Bolt allows easy height and alignment adjustments to be made while the panels remain hanging on the Top Track. Each pack contains two Regulator Bolts. Minimum order is one pack.



CAT. NO. CRL3928

### CRL EZ-Slide 180 Clamps and Bottom Guide

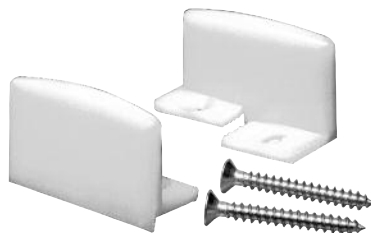
CRL EZ-Slide 180 Clamps and Bottom Guide are easily converted for use with 3/8" (10 mm) or 1/2" (12 mm) tempered glass. A pair of Clamps is rated for panels that weigh up to 396 pounds (180 kg). They grip the glass with precision-controlled pressure. No drilling or notching of the glass is required. Each pack contains two Clamps, Screws, and one nylon Bottom Guide. Minimum order is one pack.



CAT. NO. CRL3929

### CRL EZ-Slide 80/180 Bottom Guide

CRL EZ-Slide 80/180 Bottom Guides are made from durable and long-lasting nylon that will provide years of use. Its two-part construction allows it to be adjusted for 5/16" (8 mm), 3/8" (10 mm), or 1/2" (12 mm) glass thickness. Each Bottom Guide comes complete with mounting screws. Minimum order is one each.



CAT. NO. CRL3938

### Optional Pull Hardware



CRL Thru-Glass Pull  
Cat. No. FP214BS  
see page Z553

CRL SGH8 Series  
Frameless Sliding  
Door Handle  
see page Z504



## CRL Model R130 Top Hung Single Track Sliding Door System

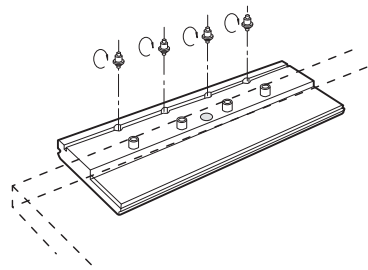
- **Designed for Use With 3/8" (10 mm) or 1/2" (12 mm) Tempered Glass**
- **No Notches or Holes Needed in the Glass for Installation**
- **Rated for Panels Weighing Up to 297 Pounds (135 kg)**

**new**

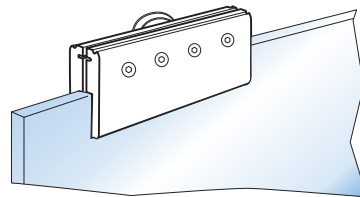


Our new Model R130 Top Hung Single Track Sliding Door System has an integral glass pocket for the fixed panel of a typical XO or OX opening. The Top Track combines the Roller Track and Top Channel for the fixed panel in one easy-to-install extrusion. The system now comes with a removable snap-in Side Cover that conceals the Roller Assemblies and also acts as an 'anti-jump' feature, stopping the Rollers from 'jumping' off the track. Installation of the R130 System can be done with common tools and the 'lift and drop' glazing method. The R130 System requires no glass fabrication other than edge polishing. If handles or knobs are to be added, holes will be needed to mount them. See next page for handle and knob options.

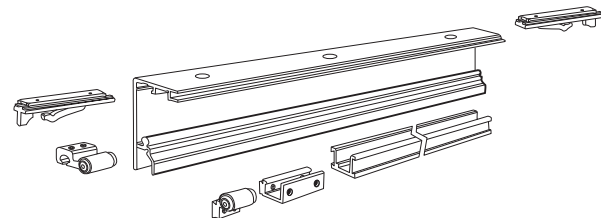
**NOTE:** This system is not intended for use in shower or steam room applications.



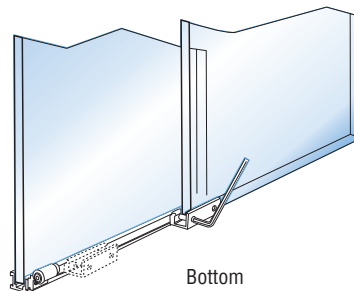
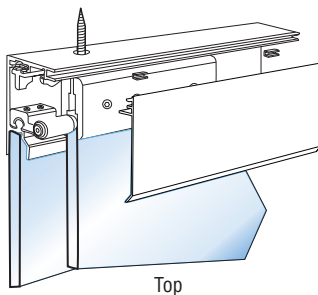
Each CRL R130 Roller Assembly is easily convertible to accommodate either 3/8" (10 mm) or 1/2" (12 mm) tempered glass by simply reversing the Spacer Pins.



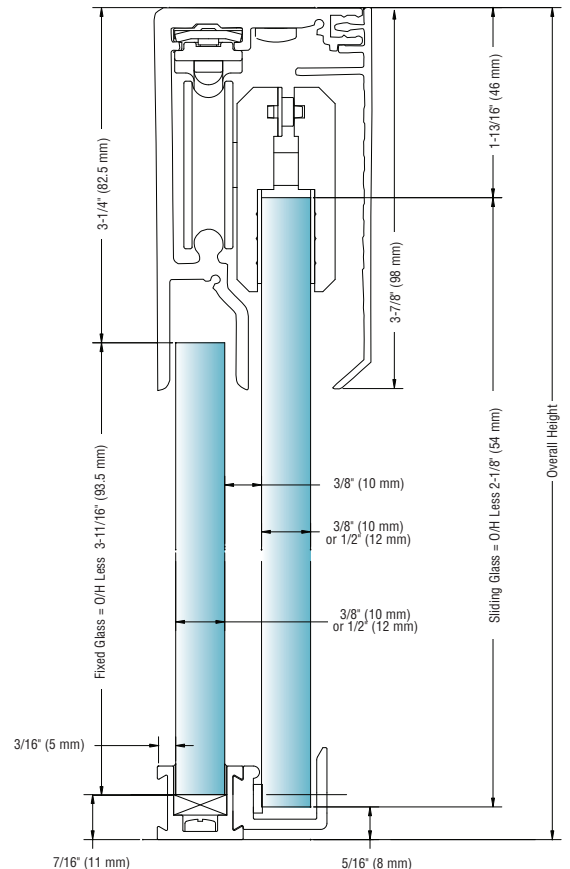
With no required notches or holes, the Roller Assemblies can be positioned as desired along the top edge of the glass.



Stops and Roller Detents install easily and are secured with set screws, so no drilling is required.



Fixed panel is installed into the integral channels, creating a minimal gap between the fixed and sliding panels. The sliding panel is easily side-loaded onto the track, thanks to the removable side cover. The Roller Assemblies, along with the adjustable Stops and Guides, allow you to fine tune the installation to your desired effect.



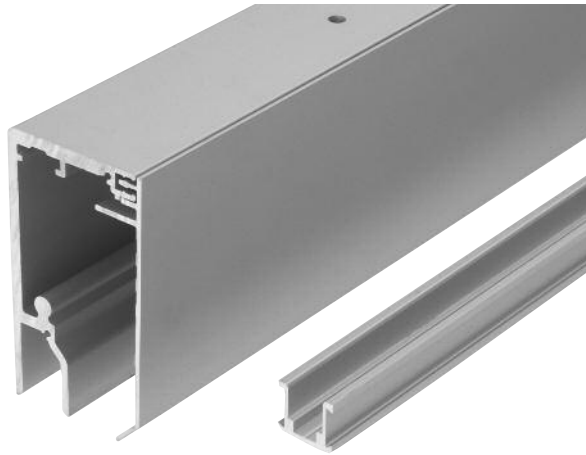
For more information on this versatile and easy to install system, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. You can also send e-mail from the home page of [crlaurence.com](http://crlaurence.com). Click on Contact Us, and then click on Technical Sales for Commercial Products.

## CRL Model R130 System Components

- For Use With 3/8" (10 mm) or 1/2" (12 mm) Tempered Glass



### CRL Model R130 Top and Bottom Track



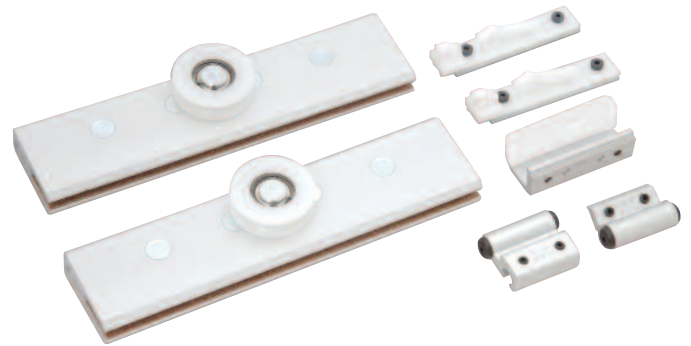
- 'Anti-Jump' Feature Keeps Rollers From Jumping Off the Track

CRL Model R130 Top and Bottom Tracks are made of aluminum with a satin anodized finish. They come as a set, in 118" (3 m) stock lengths, pre-drilled for 3/16" (4.8 mm) fasteners (not included) at 9-7/8" (250.8 mm) centers.

The Top Track is a two-piece assembly that consists of the main track and a removable snap-on side cover. An inner leg on the side cover acts as an 'anti-jump' feature, stopping the Rollers from 'jumping' off the track. Includes one two-piece Top Track and one Bottom Track. Minimum order is one 118" (3 m) stock length. Must ship common carrier.

CAT. NO. K2943

### CRL Model R130 Sliding Panel Kit



- Everything You Need to Mount a Single Door of 3/8" to 1/2" (10 to 12 mm) Glass

The CRL Model R130 Sliding Panel Kit consists of two Roller Assemblies, two Door Stops, one Bottom Guide, and two Roller Detents. Each Kit gives you enough hardware to mount a single door panel of 3/8" (10 mm) or 1/2" (12 mm) tempered glass weighing up to 297 pounds (135 kg).

The Roller Assemblies grip the glass with precision-controlled pressure, and require no drilling or notching of the glass. The Door Stops, Bottom Guide, and Roller Detents all mount into integral channels in the Track Extrusions, requiring no drilling. Simply insert, slide into position, tighten two set screws for each part, and you are done. Minimum order is one set.

CAT. NO. K2939

### CRL Model R130 Door Stops

- No Drilling Required to Install

CRL Model R130 Door Stops attach to the Top and Bottom Tracks to enable you to control the placement of the sliding panel in the open position. No drilling is required, they simply attach with set screws into integral channels in the tracks. Each set contains one Top Stop and one Bottom Stop. Minimum order is one set.



CAT. NO. K2900

### Optional Pull Hardware



CRL Thru-Glass Pull  
Cat. No. FP214BS  
see page Z553

**NOTE:** Only works on R130 Systems with 3/8" (10 mm) Glass.



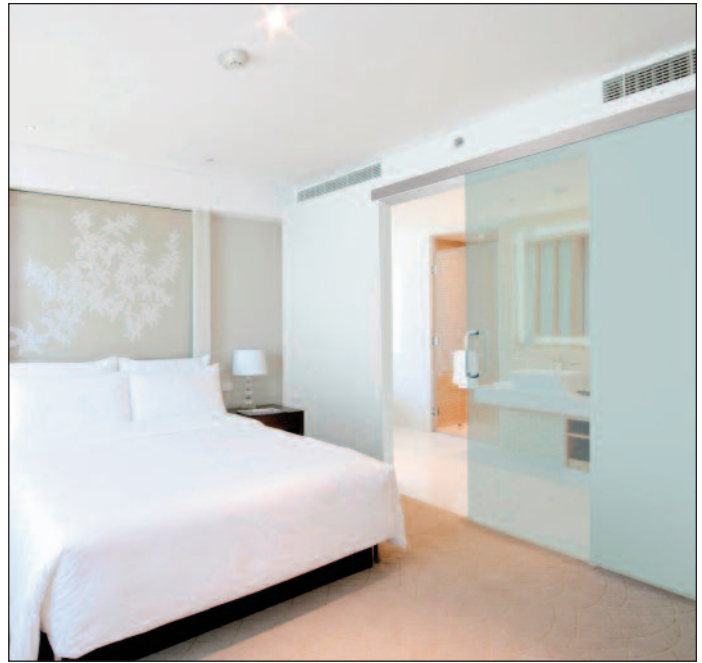
CRL SGH8 Series  
Frameless Sliding  
Door Handle  
see page Z504



## CRL 90V Series Top Hung Single Track Sliding Door System

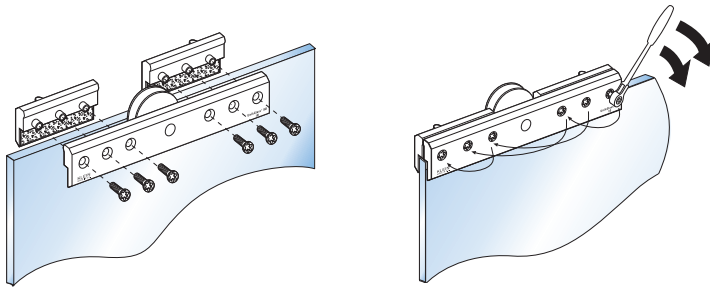
- Kits Designed for Use With 3/8" (10 mm) or 1/2" (12 mm) Tempered Glass
- No Notches or Holes Needed in the Glass for Installation
- Rated for Panels Weighing Up to 198 Pounds (90 kg)

**new**

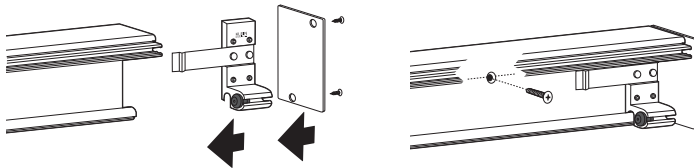


Our 90V Series Top Hung Single Track Sliding Systems have a two-piece Top Track Assembly that completely conceals the Glass Clamp Roller Assemblies. Its removable snap-on Side Cover allows for easy installation of the door panels and also acts as an 'anti-lift' feature keeping the rollers on the track at all times. This new System requires no glass fabrication other than edge polishing. If handles or knobs are to be added, holes will be needed to mount them. See pages Z500 to Z504 for handle options.

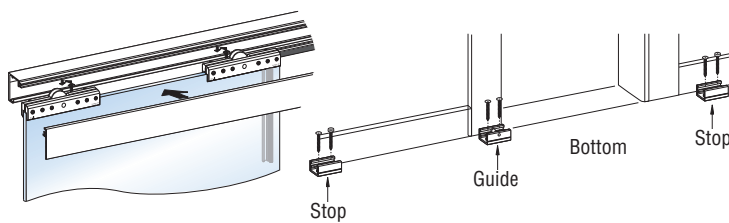
**NOTE:** This system is not intended for use in shower or steam room applications.



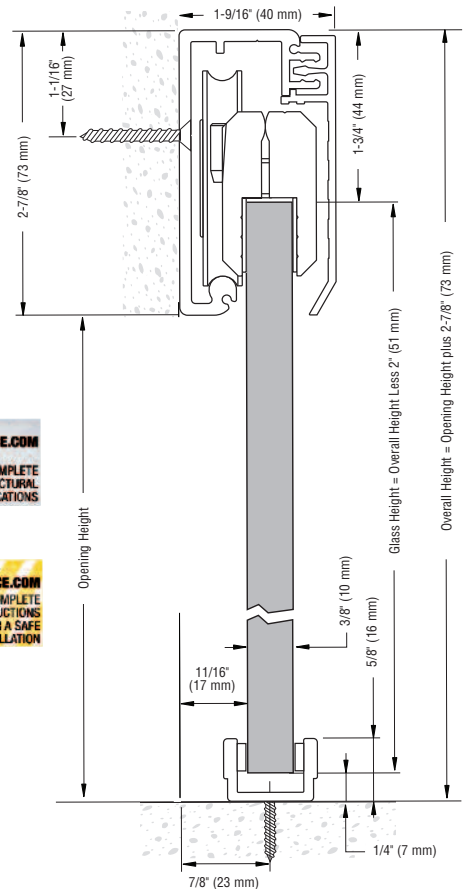
With no required notches or holes, the Glass Clamp Roller Assemblies can be positioned as desired along the top edge of the glass. Simply position Assembly on the glass and tighten the six fasteners.



Upper Door Stops with Brakes and End Caps install easily onto the Top Track. They are secured with provided fasteners, and no drilling is required.



The sliding panel is easily side-loaded onto the track, thanks to the removable side cover. The Glass Clamp Roller Assemblies, along with the adjustable Stops and Guide, allow you to fine tune the installation to your desired effect.



For more information on this versatile and easy to install system, 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 home page of [crlaurence.com](http://crlaurence.com). Click on Contact Us, and then click on Technical Sales for Commercial Products.

## CRL 90V Series Top Hung Single Track Sliding Door System

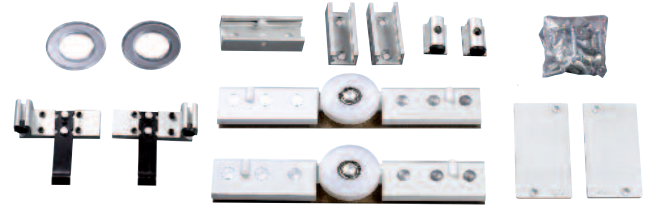
- Kits for 3/8" (10 mm) or 1/2" (12 mm) Tempered Glass
- 'Anti-Jump' Feature Keeps Roller From Jumping Off the Track

**new**



The new CRL 90V Series Sliding Door System has a Top Track made of aluminum with a satin anodized finish. It is a two-piece assembly that consists of the main track and a removable snap-on side cover. An inner leg on the side cover acts as an 'anti-jump' feature, preventing the Rollers from 'jumping' off the track. The Top Track is 118" (3 m) in length and pre-drilled for 3/16" (4.8 mm) fasteners (not included) at 9-7/8" (251 mm) centers. Maximum weight per panel is 198 pounds (90 kg) for the 90V10 Kit; 297 pounds (135 kg) for the 90V12 Kit.

Included in the 90V Kits are one 118" (3 m) length of Aluminum Top Track, two Glass Clamp Roller Assemblies, two Upper Door Stops with Brakes, one Bottom Guide, two Lower Door Stops, optional adhesive applied finger pulls, two End Caps, and required fasteners. Fasteners to attach Top Track to structure not supplied.

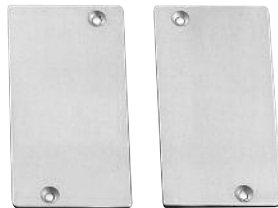


CAT. NO.	DESCRIPTION
90V10	Kit for 3/8" (10 mm) Thick Tempered Glass
90V12	Kit for 1/2" (12 mm) Thick Tempered Glass

Minimum order: 1 set. Sizes can be combined for quantity pricing. Because of track length Kits must ship common carrier.

## CRL Replacement End Caps

- Fits 90V Series Top Track



These CRL Replacement End Caps are pre-drilled and attach to the ends of the 90V Series Top Track. Comes with two Caps and four Attachment Screws. Minimum order is one set.

CAT. NO. 90VEC

## CRL Replacement Screws for Roller Assemblies

- Screws for Either 90V10 or 90V12 Glass Clamp Roller Assemblies



These CRL Replacement Screws are available for either 3/8" (10 mm) or 1/2" (12 mm) Glass Clamp Roller Assemblies. Each pack includes 12 screws.

CAT. NO.	DESCRIPTION
90V10RS	Screws for 3/8" (10 mm) Glass Rollers
90V12RS	Screws for 1/2" (12 mm) Glass Rollers

Minimum order: 1 pack.

## CRL Replacement Upper Door Stops With Brakes

- Fits 90V Series Top Track

These CRL Replacement Upper Stops with Brakes slide right into the ends of 90V Series Top Track, and are held in place by four set screws. Comes with two Upper Stops with Brakes (one right hand and one left hand). Minimum order is one set.



CAT. NO. 90VUDS

## CRL Replacement Lower Door Stops

- For Use With 90V10 and 90V12 Kits

These CRL Replacement Lower Door Stops are made of aluminum with a satin anodized finish, and can be used with either 3/8" or 1/2" (10 or 12 mm) panels. Each set comes with two Door Stops, two Mounting Channels and Mounting Screws. Minimum order is one set.



CAT. NO. 90VLDs

## CRL Replacement Bottom Guide

- Guides for Either 90V10 or 90V12 Kits

These CRL Replacement Bottom Guides are made of aluminum with a satin anodized finish. Available in sizes for use with either 3/8" or 1/2" (10 or 12 mm) panels. Complete with mounting screws.



CAT. NO.	DESCRIPTION
90V10BG	Guide for 3/8" (10 mm) Thick Glass
90V12BG	Guide for 1/2" (12 mm) Thick Glass

Minimum order: 1 each.

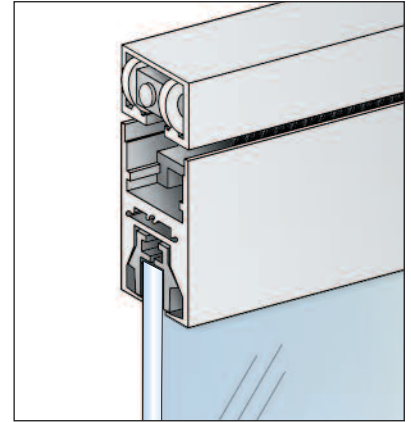
## CRL Overhead Track Sliding and Bi-Fold Doors



- Custom Built in Eight Standard Sliding Configurations and Eight Standard Bi-Fold Configurations
- For Use With 3/8" (10 mm) or 1/2" (12 mm) Tempered Glass
- Available in Six Architectural Finishes
- Custom Finishes Available on Special Order

The CRL Overhead Track Sliding and Bi-Fold Door Systems are designed to work in a variety of different applications. Their universal track and roller design allows them to be used as Sliding, Half Panel Bi-Fold or Full Panel Bi-Fold configurations. Each unit is custom built to your specifications for opening size, glass thickness, and locking hardware.

Our Cat. No. 0TCA Top Roller Carriage Assemblies adjust easily for both height and alignment. Their compact design allows for the Top Track and the Door Rail widths to match, providing an even sight line. A pile weatherstrip fills the gap between the Top Track and Door Rail. An optional recessed 0TBR Series Guide Channel is included with each system for increased performance and added security.

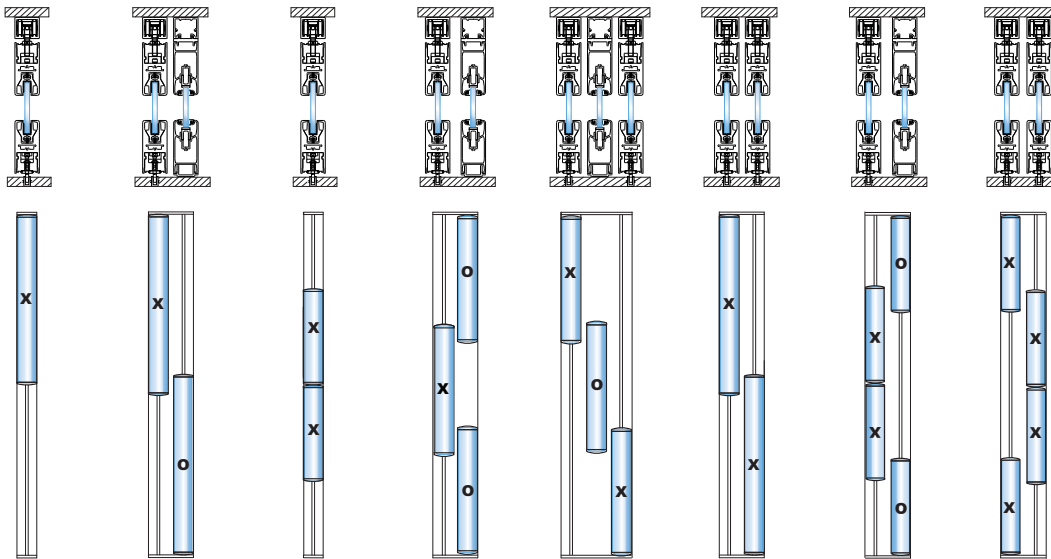


## CRL Overhead Track Sliding Door Configurations

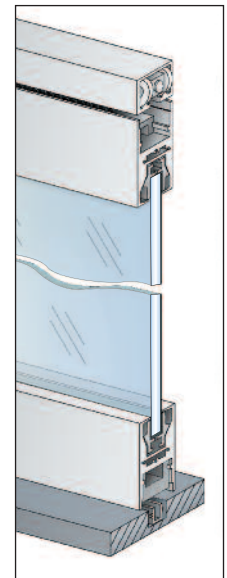
### • Silent Moving Four-Roller Carriage Assemblies

CRL Overhead Track Sliding Door Systems are available in eight standard configurations. Each sliding panel is hung from two Cat. No. 0TCA Carriage Assemblies. Maximum panel weight not to exceed 225 pounds (102 kg). Maximum panel width is 72" (1829 mm). Minimum panel width is 15" (381 mm).

**NOTE:** Available by custom order only. Standard with 4" (102 mm) square Rails, however, any 4", 6", or 10" (102, 152, or 254 mm) Rail combinations are available. Most orders can be fabricated in five business days at our Los Angeles, California manufacturing facility. 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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



X = Sliding Panel O = Fixed Panel



X	XO (OX) BYPASS	XX BI-PART	OXO BYPASS	XOX BYPASS	XX BYPASS	OXOX BI-PART	XXXX BYPASS
SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.
OTS1	OTS101	OTS2	OTS102	OTS203	OTS22	OTS202	OTS24

FINISHES
Satin Anodized
Black Bronze Anodized
Black Powder Coat
Brushed Stainless*
Polished Stainless*
Polished Brass*

Minimum order: 1 each. Must ship common carrier.

\*Clad finish.





## CRL Overhead Track Sliding and Bi-Fold Door Components

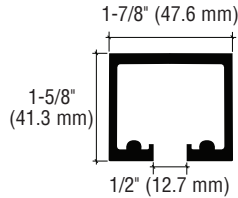


### CRL Top Track for OT Series Sliding and Bi-Fold Doors

- Available in 10' (3.05 m) and 20' (6.1 m) Stock Lengths
- Choice of Two Finishes
- Custom Finishes, Available on Special Order



CRL Top Track for Overhead Track Sliding and Bi-Fold Doors is available in stock lengths that you can cut to size in the field if conditions require mounting the Top Track prior to ordering the entire system. Extruded aluminum for durability and maximum strength.



CAT. NO.	STOCK LENGTH	FINISH
<b>OTTR120DU</b>	10' (3.05 m)	Black Bronze Anodized
<b>OTTR120SA</b>	10' (3.05 m)	Satin Anodized
<b>OTTR240DU</b>	20' (6.1 m)	Black Bronze Anodized
<b>OTTR240SA</b>	20' (6.1 m)	Satin Anodized

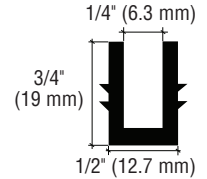
Minimum order: 1 stock length. Finishes can be combined for quantity pricing. Must ship via common carrier.

### CRL Guide Channel for OT Series Sliding and Bi-Fold Doors

- Available in 10' (3.05 m) and 20' (6.1 m) Stock Lengths
- Choice of Two Finishes



This CRL Guide Channel for Overhead Track Sliding and Bi-Fold Doors is available in stock lengths that you can cut to size in the field if conditions require mounting the Guide Channel prior to ordering the entire system. Its narrow, recessed design eliminates tripping hazards.

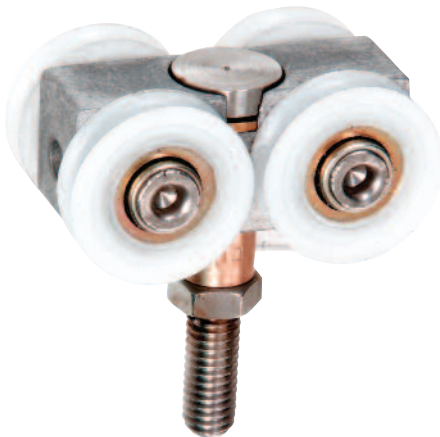


CAT. NO.	STOCK LENGTH	FINISH
<b>OTBR120DU</b>	10' (3.05 m)	Black Bronze Anodized
<b>OTBR120SA</b>	10' (3.05 m)	Satin Anodized
<b>OTBR240DU</b>	20' (6.1 m)	Black Bronze Anodized
<b>OTBR240SA</b>	20' (6.1 m)	Satin Anodized

Minimum order: 1 stock length. Finishes can be combined for quantity pricing. Must ship via common carrier.

### CRL Carriage Assembly for OT Series Sliding and Bi-Fold Doors

- Durable, Long Lasting Roller Assemblies Included With All OT Series Systems



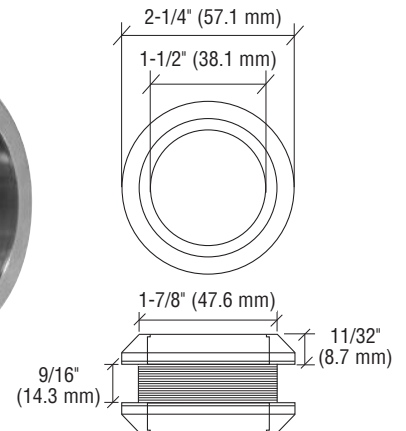
This Carriage Assembly for our OT Series Sliding and Bi-Fold Doors has an extruded aluminum body with stainless steel hanging bolt and axles, bronze bushings, and nylon rollers with ball bearings. Minimum order is one each.

**NOTE:** Maximum load per Carriage Assembly not to exceed 112 pounds (51 kg).

CAT. NO. OTCA

### CRL Thru-Glass Pull

- Low Profile Design Allows for Full Door Opening Access
- Brushed Stainless Finish



The CRL Thru-Glass Pull has a recessed low profile design that you screw together to install. Its solid stainless steel construction makes this a rugged yet elegant solution for a pull handle. The thickness of this Thru-Glass Pull Handle doesn't impede movement in front of walls or glass sidelites as it allows for full door opening access. Supplied with clear gaskets to accommodate door glass from 3/8" to 1/2" (10 to 12 mm) thick. Minimum order is one each. **NOTE:** Requires 1-7/8" (48 mm) hole in glass panel for installation. You can use our Cat. No. PDT48MM Diamond Drill to fabricate the proper size hole.

CAT. NO. FP214BS



## CRL Overhead Track Half Panel Bi-Fold Door Systems

- With 4" (101.6 mm) Square DR4S Series Door Rails
- Panels Hung From Mid-Point, Maximizing Panel Width
- Available In Six Architectural Finishes



CRL Overhead Track Half Panel Bi-Fold Door Systems are available in four configurations, with a maximum of three panels on each side of the opening. The end panels act like normal center pivoting doors and connect to the first hanging panel using special hinged end caps. The hanging panels are joined in the same manner, and are hung from a single Cat. No. 0TCA Carriage Assembly at the midpoint of the panel's width.

Use of our Cat. No. 0TBR Series Guide Channel supplied with each order is highly recommended to prevent the panels from dragging during operation. Maximum panel weight not to exceed 170 pounds (77 kg). Maximum panel width is 41" (1041 mm). Minimum panel width is 15" (381 mm).

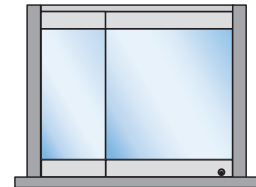
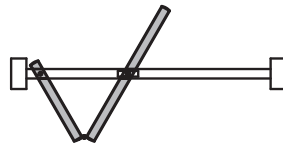
**NOTE:** Available with 4" (101.6 mm) square rails, and by custom order only. Most orders can be fabricated in five business days at our Los Angeles, California manufacturing facility. Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail from the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



### HALF LEAF BI-FOLD 2 PANELS

CAT. NO.	FINISH
OTC2SA	Satin Anodized
OTC2DU	Black Bronze Anodized
OTC2BL	Black Powder Coat
OTC2BS	*Brushed Stainless
OTC2PS	*Polished Stainless
OTC2PB	*Polished Brass

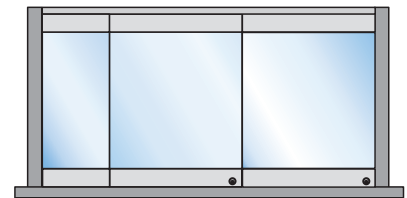
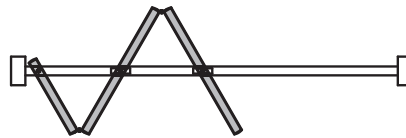
Minimum order: 1 each. \*Clad Finish.



### HALF LEAF BI-FOLD 3 PANELS

CAT. NO.	FINISH
OTC3SA	Satin Anodized
OTC3DU	Black Bronze Anodized
OTC3BL	Black Powder Coat
OTC3BS	*Brushed Stainless
OTC3PS	*Polished Stainless
OTC3PB	*Polished Brass

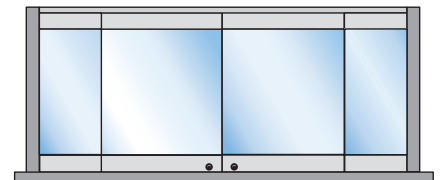
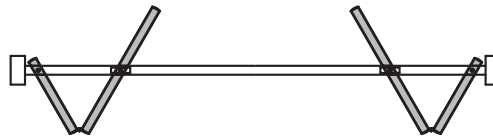
Minimum order: 1 each. \*Clad Finish.



### HALF LEAF BI-FOLD 4 PANELS BIPART

CAT. NO.	FINISH
OTC4BPSA	Satin Anodized
OTC4BPDU	Black Bronze Anodized
OTC4BPBL	Black Powder Coat
OTC4BPBS	*Brushed Stainless
OTC4BPPS	*Polished Stainless
OTC4BPPB	*Polished Brass

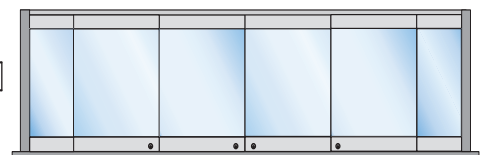
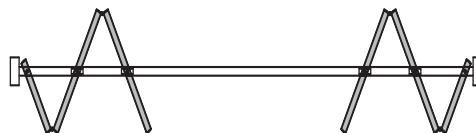
Minimum order: 1 each. \*Clad Finish.



### HALF LEAF BI-FOLD 6 PANELS BIPART

CAT. NO.	FINISH
OTC6BPSA	Satin Anodized
OTC6BPDU	Black Bronze Anodized
OTC6BPBL	Black Powder Coat
OTC6BPBS	*Brushed Stainless
OTC6BPPS	*Polished Stainless
OTC6BPPB	*Polished Brass

Minimum order: 1 each. \*Clad Finish.



## CRL Overhead Track Full Panel Bi-Fold Door Systems

- With 4" (101.6 mm) Square DR4S Series Door Rails
- Panels Hung From End Point, Minimizing Obstruction
- Custom Built to Your Specs for Fit and Finish



CRL Overhead Track Full Panel Bi-Fold Door Systems are available in four configurations, with a maximum of three panels on each side of the opening. The end panels act like normal center pivoting doors and connect to the first hanging panel using special hinged end caps. The hanging panels are joined in the same manner, and are hung from a single Cat. No. 0TCA Carriage Assembly at the panel's end point.

Use of our Cat. No. 0TBR Series Guide Channel supplied with each order is highly recommended to prevent the panels from dragging during operation. Maximum panel weight not to exceed 170 pounds (77 kg). Maximum panel width is 39" (990 mm). Minimum panel width is 15" (381 mm).

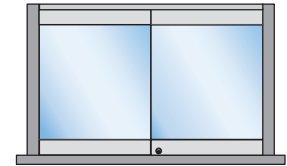
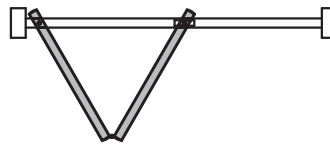
**NOTE:** Available with 4" (101.6 mm) square rails, and by custom order only. Most orders can be fabricated in five business days at our Los Angeles, California manufacturing facility. Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail from the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



### FULL LEAF BI-FOLD 2 PANELS

CAT. NO.	FINISH
0TB2SA	Satin Anodized
0TB2DU	Black Bronze Anodized
0TB2BL	Black Powder Coat
0TB2BS	*Brushed Stainless
0TB2PS	*Polished Stainless
0TB2PB	*Polished Brass

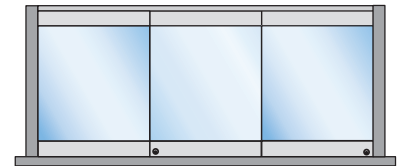
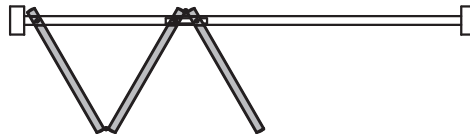
Minimum order: 1 each. \*Clad Finish.



### FULL LEAF BI-FOLD 3 PANELS

CAT. NO.	FINISH
0TB3SA	Satin Anodized
0TB3DU	Black Bronze Anodized
0TB3BL	Black Powder Coat
0TB3BS	*Brushed Stainless
0TB3PS	*Polished Stainless
0TB3PB	*Polished Brass

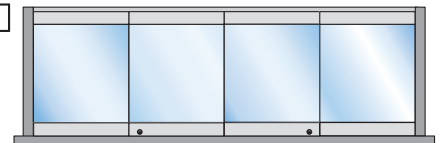
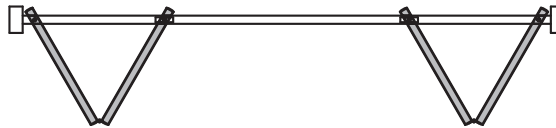
Minimum order: 1 each. \*Clad Finish.



### FULL LEAF BI-FOLD 4 PANELS BIPART

CAT. NO.	FINISH
0TB4BPSA	Satin Anodized
0TB4BPDU	Black Bronze Anodized
0TB4BPBL	Black Powder Coat
0TB4BPBS	*Brushed Stainless
0TB4BPPS	*Polished Stainless
0TB4BPPB	*Polished Brass

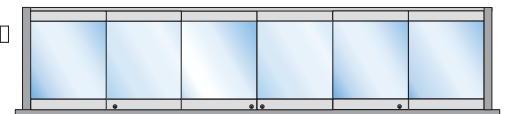
Minimum order: 1 each. \*Clad Finish.



### FULL LEAF BI-FOLD 6 PANELS BIPART

CAT. NO.	FINISH
0TB6BPSA	Satin Anodized
0TB6BPDU	Black Bronze Anodized
0TB6BPBL	Black Powder Coat
0TB6BPBS	*Brushed Stainless
0TB6BPPS	*Polished Stainless
0TB6BPPB	*Polished Brass

Minimum order: 1 each. \*Clad Finish.



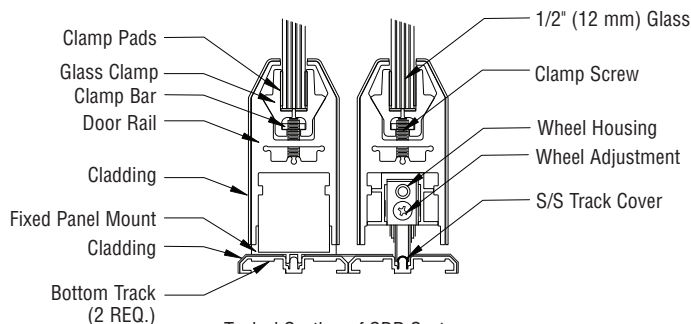
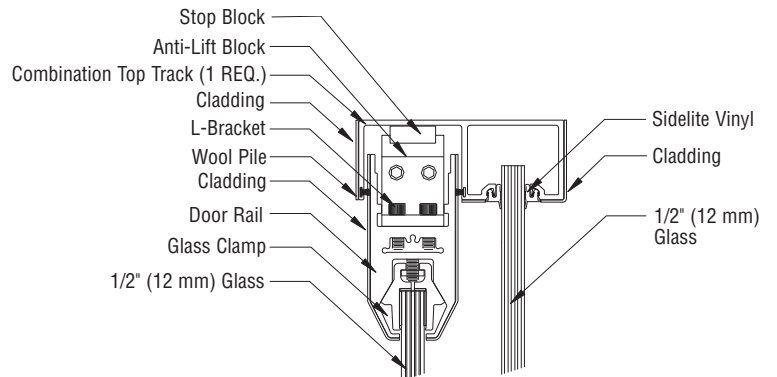
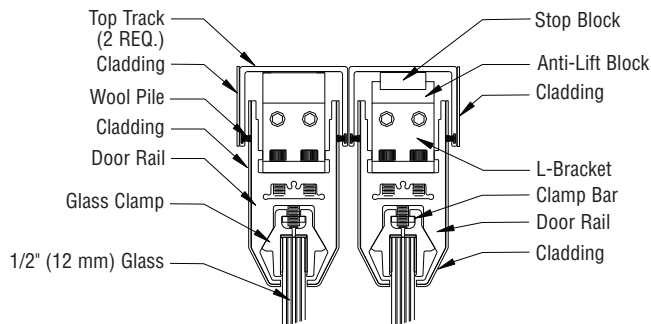


## CRL Bottom Rolling Sliding Door Systems

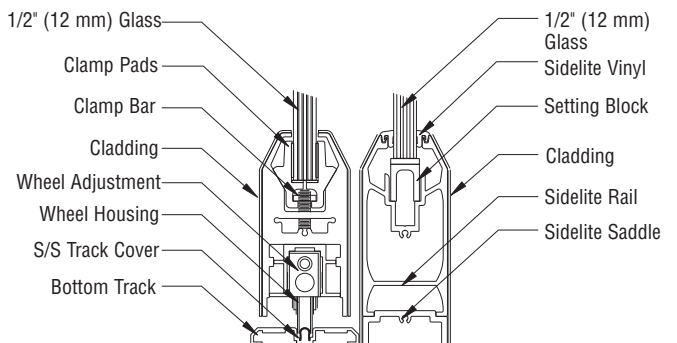
- Variety of Styles and Finishes Available for Use With 3/8" or 1/2" (10 or 12 mm) Tempered Glass
- Each Unit Custom Built to Fit the Opening
- Doors Can Be Aligned Without Removal
- Saves Valuable Floor Space – Does Not Project Out of the Door Opening

CRL Bottom Rolling Sliding Door Systems use the same technology found in our Wedge-Lock™ Door Rails to secure heavy panels of 3/8" or 1/2" (10 or 12 mm) tempered glass to create almost 'frameless' glass doors between interior areas. Several profiles are available in any of the seven architectural finishes used for our Door and Sidelite Rails in both Tapered and Square Styles. Installation is simplified because each unit is custom built to your specifications for opening size and glass thickness. Once installed you can adjust or align the doors without removal. Maximum door width is 48" (1219 mm); maximum door height is 108" (2743 mm), with a maximum weight not to exceed 234 pounds (106 kg).

**NOTE:** Available by custom order only. Most orders can be fabricated in five business days at our Los Angeles, California manufacturing facility. 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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



Typical Section of SDR System (see pages Z557 to Z559)



Typical Section of SSR System (see pages Z560 to Z562)

All CRL Bottom Rolling Sliding Door Units come complete with Top and Bottom Tracks, Top and Bottom Door and Fixed Panel Rails, Fixed Panel Saddles, Bottom Tandem Rollers, Stop and Anti-Lift Blocks, and Locking Hardware; everything you need with the exception of the tempered glass and track fasteners. Top and Bottom Tracks can be ordered in stock lengths prior to ordering complete unit if needed, see pages Z563 to Z564.



# CRL HEAVY GLASS SLIDING DOOR SYSTEMS

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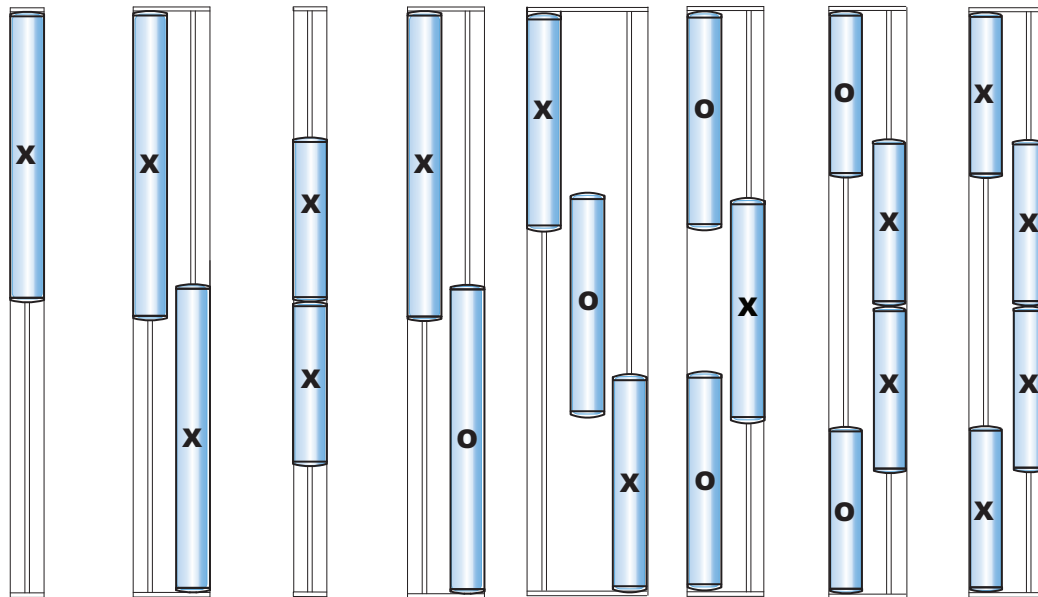
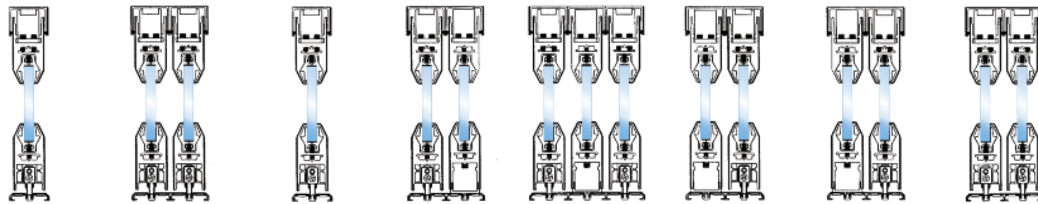
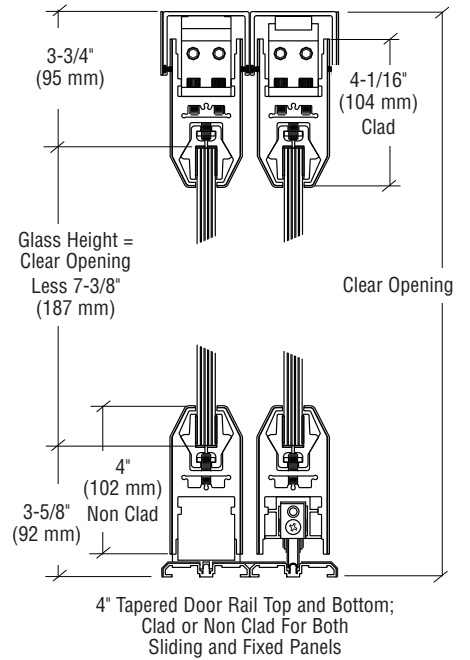
## CRL SDR Bottom Rolling Sliding Door System



- With 4" Tapered DR4T Series Door Rails
- Available in Seven Architectural Finishes

The CRL SDR Bottom Rolling Sliding Door System with 4" (101.6 mm) Tapered Rails Top and Bottom utilizes our popular Wedge-Lock™ Glass Securing System. The DR4T Series Door Rails are used for all door and fixed panels, and are custom fabricated to your specifications. The doors can be ordered with or without locks in the bottom rail. Maximum door width is 48" (1219 mm); maximum door height is 108" (2743 mm), with a maximum weight not to exceed 234 pounds (106 kg).

**NOTE:** Available by custom order only. Most orders can be fabricated in five business days at our Los Angeles, California manufacturing facility. 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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



X = Sliding Panel O = Fixed Panel



X	XX BYPASS	XX BI-PART	XO (OX) BYPASS	XOX BYPASS	OXO BYPASS	OXXO BI-PART	XXXX BYPASS
SYSTEM USING 4" TAPERED RAILS TOP AND BOTTOM							
SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.
SDR1A	SDR2B	SDR21B	SDR2C	SDR3D	SDR3E	SDR4F	SDR42F

Minimum order: 1 each. Must ship common carrier.

### FINISHES

- Satin Anodized
- Black Bronze Anodized
- Black Powder Coat
- \*Brushed Stainless
- \*Polished Stainless
- \*Polished Brass
- \*Satin Brass
- \*Clad finish.



# CRL HEAVY GLASS SLIDING DOOR SYSTEMS

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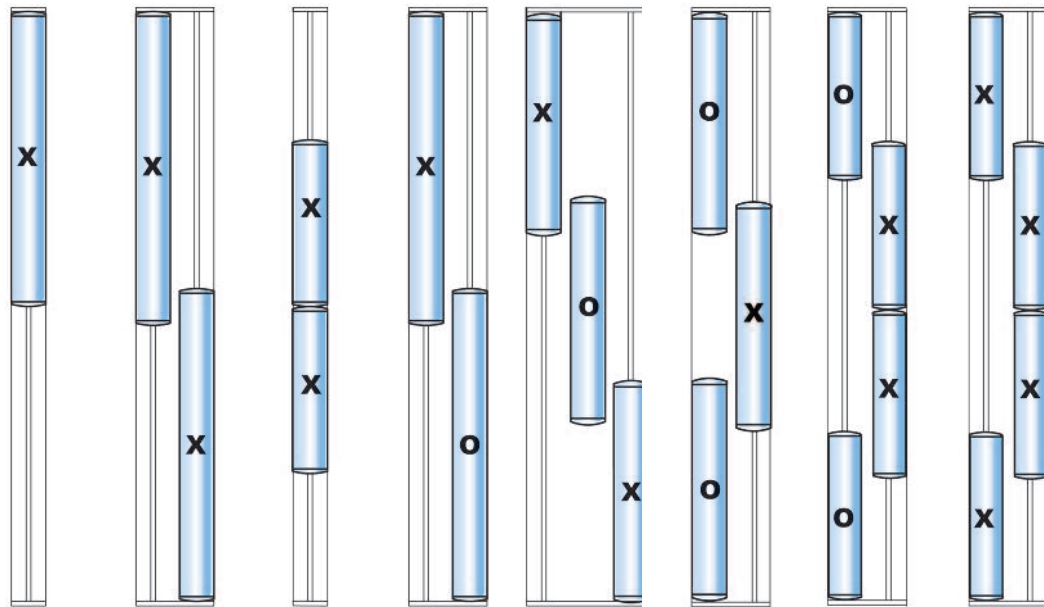
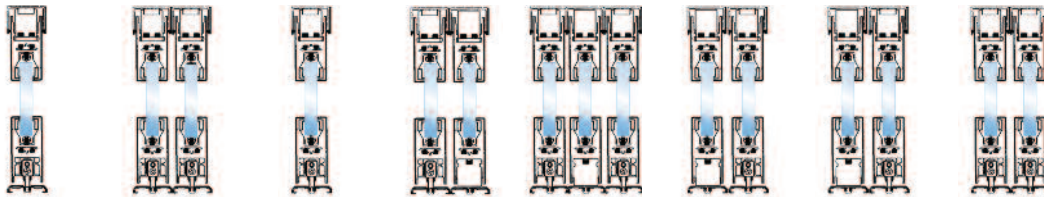
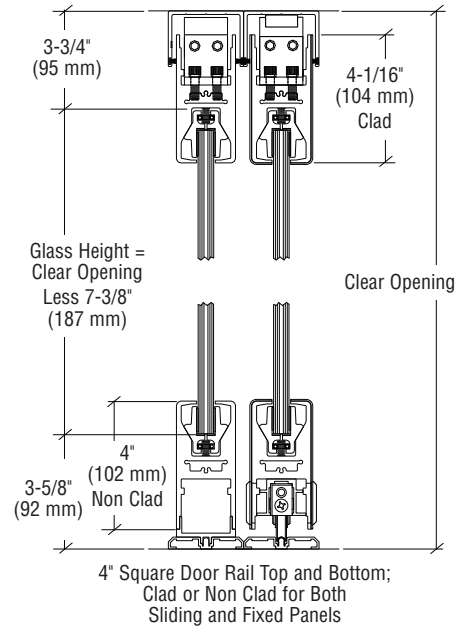
## CRL SDR Bottom Rolling Sliding Door System



- With 4" Square DR4S Series Door Rails
- Available in Seven Architectural Finishes

The CRL SDR Bottom Rolling Sliding Door System with 4" (101.6 mm) Square Rails Top and Bottom utilizes our popular Wedge-Lock™ Glass Securing System. The DR4S Series Door Rails are used for all door and fixed panels, and are custom fabricated to your specifications. The doors can be ordered with or without locks in the bottom rail. Maximum door width is 48" (1219 mm); maximum door height is 108" (2743 mm), with a maximum weight not to exceed 234 pounds (106 kg).

**NOTE:** Available by custom order only. Most orders can be fabricated in five business days at our Los Angeles, California manufacturing facility. Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail from the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



X = Sliding Panel O = Fixed Panel



### FINISHES

- Satin Anodized
- Black Bronze Anodized
- Black Powder Coat
- \*Brushed Stainless
- \*Polished Stainless
- \*Polished Brass
- \*Satin Brass

\*Clad finish.

SYSTEM USING 4" SQUARE RAILS TOP AND BOTTOM							
SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.
4SDR1A	4SDR2B	4SDR21B	4SDR2C	4SDR3D	4SDR3E	4SDR4F	4SDR42F

Minimum order: 1 each. Must ship common carrier.



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# CRL HEAVY GLASS SLIDING DOOR SYSTEMS

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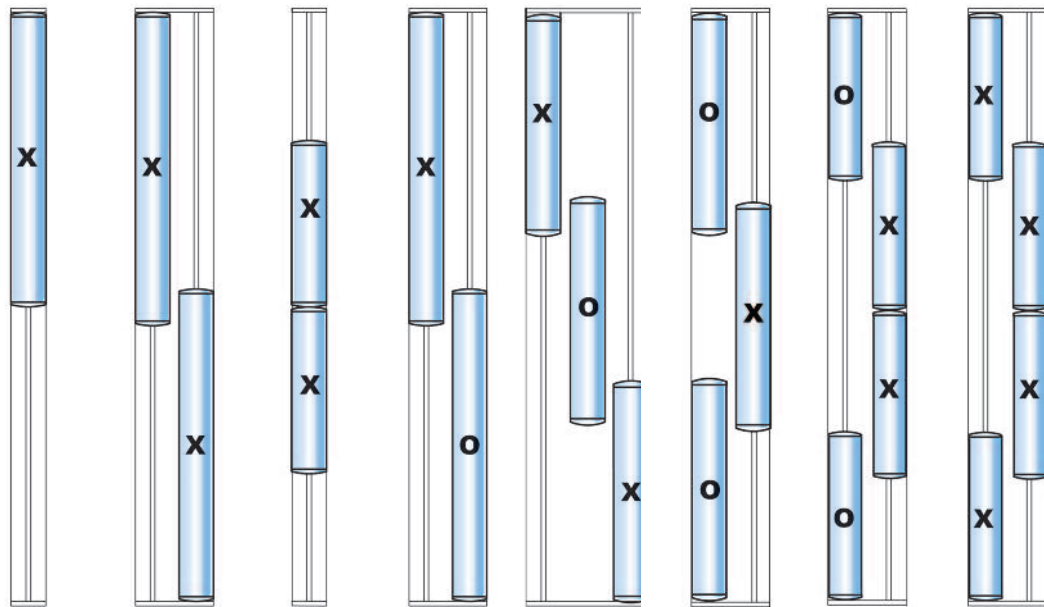
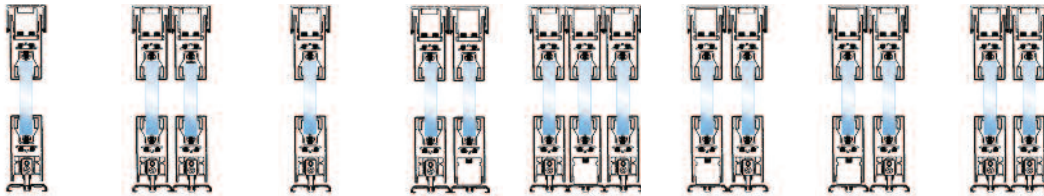
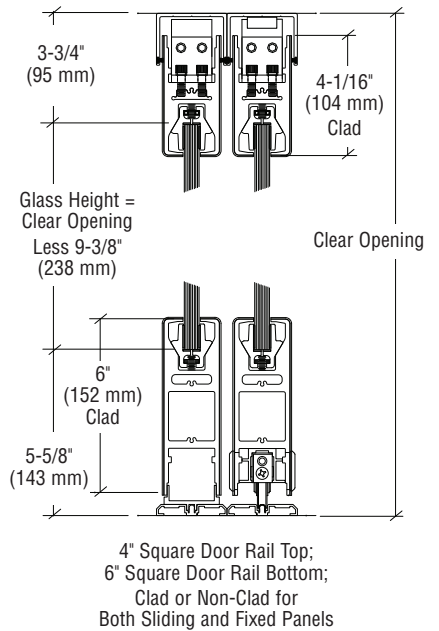
## CRL SDR Bottom Rolling Sliding Door System



- With 4" Square DR4S Series Door Rails and 6" Square DR6S Series Bottom Rails
- Available in Seven Architectural Finishes

The CRL SDR Bottom Rolling Sliding Door System with 4" (101.6 mm) Square Top Rails and 6" (152.4 mm) Square Bottom Rails, utilizes our popular Wedge-Lock™ Glass Securing System found in the DR4S and DR6S Series Door Rails. They can be ordered with or without locks in the bottom rail, and are custom fabricated to your specifications. Maximum door width is 48" (1219 mm); maximum door height is 108" (2743 mm), with a maximum weight not to exceed 234 pounds (106 kg).

**NOTE:** Available by custom order only. Most orders can be fabricated in five business days at our Los Angeles, California manufacturing facility. 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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



X = Sliding Panel O = Fixed Panel



### FINISHES

- Satin Anodized
- Black Bronze Anodized
- Black Powder Coat
- \*Brushed Stainless
- \*Polished Stainless
- \*Polished Brass
- \*Satin Brass

\*Clad finish.

X	XX BYPASS	XX BI-PART	XO (OX) BYPASS	XOX BYPASS	OXO BYPASS	OXXO BI-PART	XXXX BYPASS
SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.
6SDR1A	6SDR2B	6SDR21B	6SDR2C	6SDR3D	6SDR3E	6SDR4F	6SDR42F

Minimum order: 1 each. Must ship common carrier.

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[crlaurence.de](http://crlaurence.de)

| Z559

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# CRL HEAVY GLASS SLIDING DOOR SYSTEMS

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## CRL SSR Bottom Rolling Sliding Door System



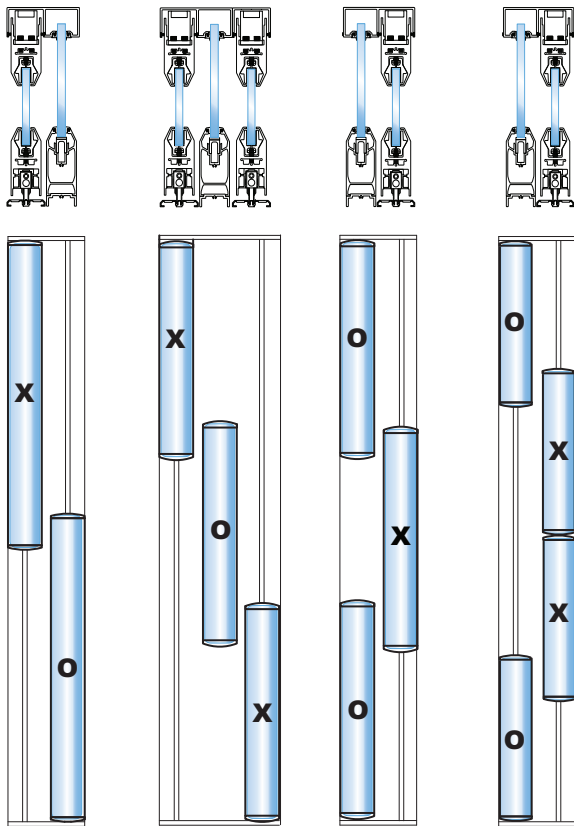
4" (102 mm) Tapered Bottom Rolling Rail

- With 4" Tapered DR4T Series Door Rails and 4" Tapered SR4T Series Sidelite Bottom Rails
- Available in Seven Architectural Finishes

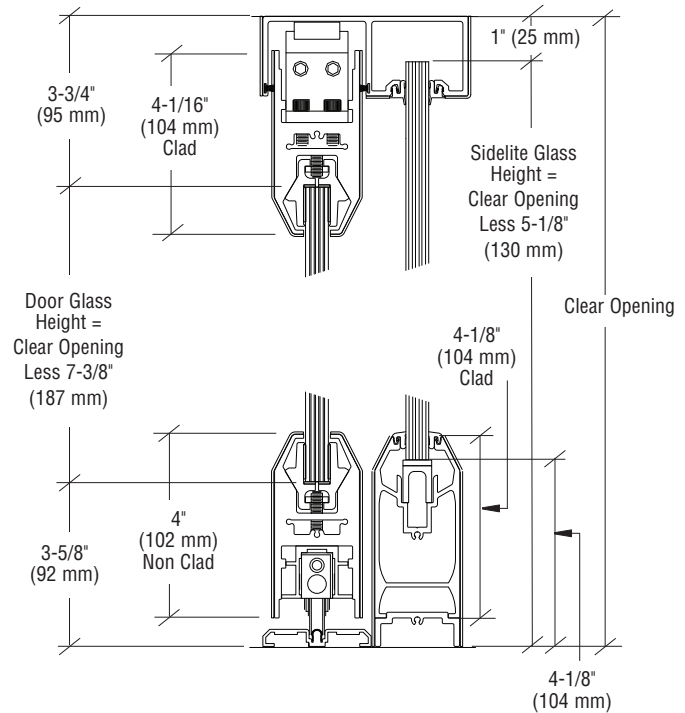
The CRL SSR Bottom Rolling Sliding Door System with 4" (102 mm) Tapered Rails utilizes our popular Wedge-Lock™ Glass Securing System found in the DR4T Series Door Rails on all sliding panels. They can be ordered with or without locks in the bottom rail.

The fixed panels utilize our popular SR4T Series Sidelite Rails with roll-in vinyl at the bottom of the panel, and an integrated glazing channel with roll-in vinyl in the top track. Maximum door width is 48" (1219 mm); maximum door height is 108" (2743 mm), with a maximum weight not to exceed 234 pounds (106 kg). All panels are custom fabricated to your specifications.

**NOTE:** Available by custom order only. Most orders can be fabricated in five business days at our Los Angeles, California manufacturing facility. 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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



X = Sliding Panel O = Fixed Panel



4" Tapered Door Rail Top and Bottom; Clad or Non Clad; Fixed Panel No Rail Top

XO (OX) BYPASS	XOX BYPASS	OXO BYPASS	OOXO BI-PART
SYSTEM USING 4" TAPERED RAILS TOP AND BOTTOM			
SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.
SSR2C	SSR3D	SSR3E	SSR4F

Minimum order: 1 each. Must ship common carrier.

### FINISHES

- Satin Anodized
- Black Bronze Anodized
- Black Powder Coat
- \*Brushed Stainless
- \*Polished Stainless
- \*Polished Brass
- \*Satin Brass

\*Clad finish.



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[crlaurence.com](http://crlaurence.com)

[crlaurence.de](http://crlaurence.de)

## CRL SSR Bottom Rolling Sliding Door System



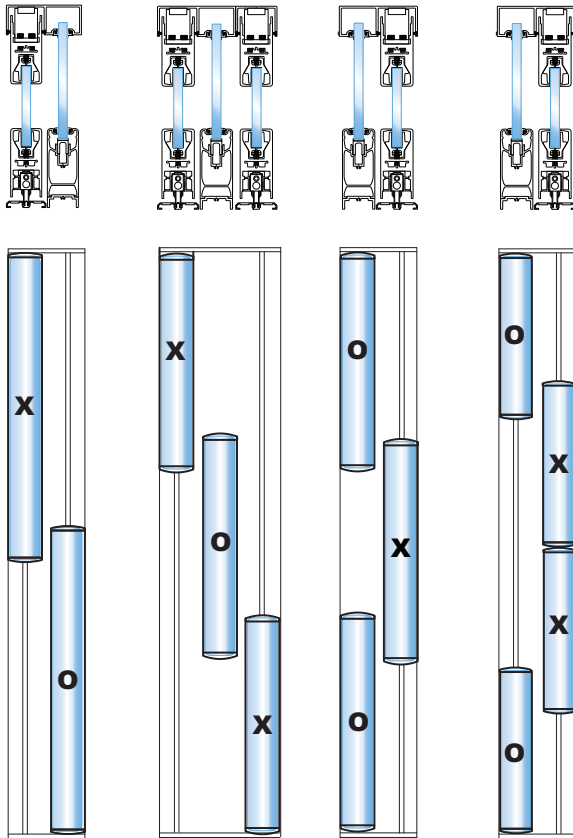
4" (102 mm) Square Bottom Rolling Rail

- With 4" Square DR4S Series Door Rails and 4" Square SR4S Series Sidelite Bottom Rails
- Available in Seven Architectural Finishes

The CRL SSR Bottom Rolling Sliding Door System with 4" (102 mm) Square Rails utilizes our popular Wedge-Lock™ Glass Securing System found in the DR4S Series Door Rails on all sliding panels. They can be ordered with or without locks in the bottom rail.

The fixed panels utilize our popular SR4S Series Sidelite Rails with roll-in vinyl at the bottom of the panel, and an integrated glazing channel with roll-in vinyl in the top track. Maximum door width is 48" (1219 mm); maximum door height is 108" (2743 mm), with a maximum weight not to exceed 234 pounds (106 kg). All panels are custom fabricated to your specifications.

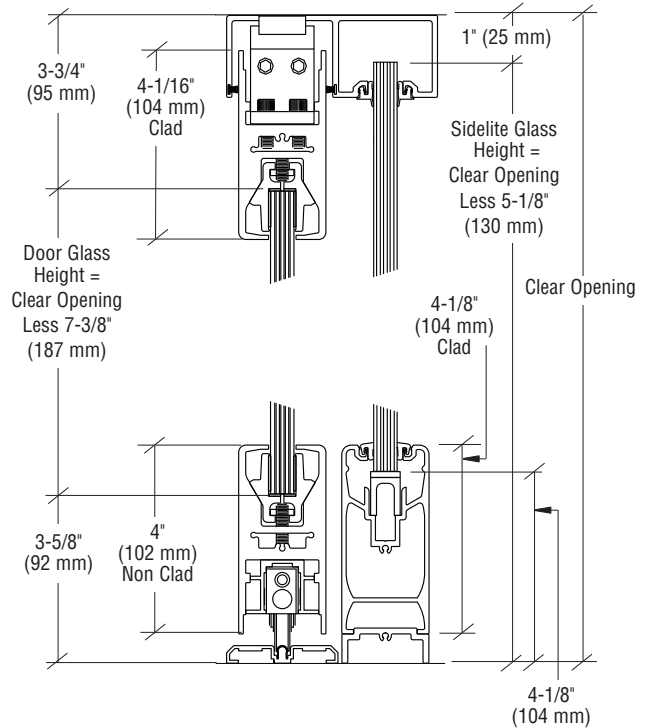
**NOTE:** Available by custom order only. Most orders can be fabricated in five business days at our Los Angeles, California manufacturing facility. Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail from the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



X = Sliding Panel O = Fixed Panel

XO (OX) BYPASS	XOX BYPASS	OXO BYPASS	OXXO BI-PART
SYSTEM USING 4" SQUARE RAILS TOP AND BOTTOM			
SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.
4SSR2C	4SSR3D	4SSR3E	4SSR4F

Minimum order: 1 each. Must ship common carrier.



4" Square Door Rail Top and Bottom; Clad or Non Clad; Fixed Panel No Rail Top

### FINISHES

- Satin Anodized
- Black Bronze Anodized
- Black Powder Coat
- \*Brushed Stainless
- \*Polished Stainless
- \*Polished Brass
- \*Satin Brass

\*Clad finish.





# CRL HEAVY GLASS SLIDING DOOR SYSTEMS

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## CRL SSR Bottom Rolling Sliding Door System



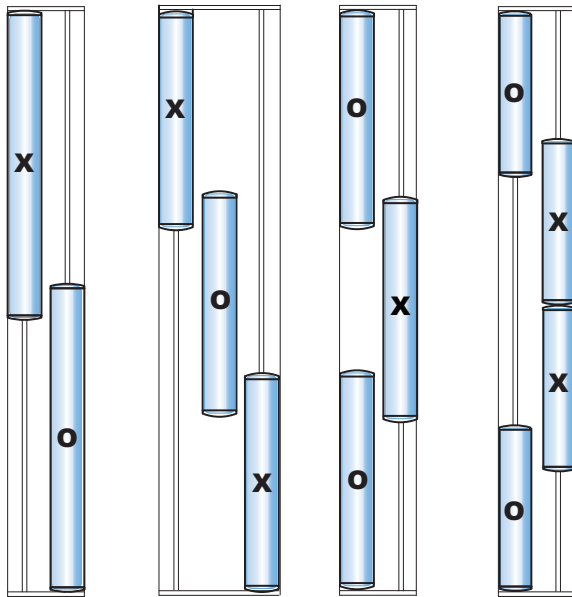
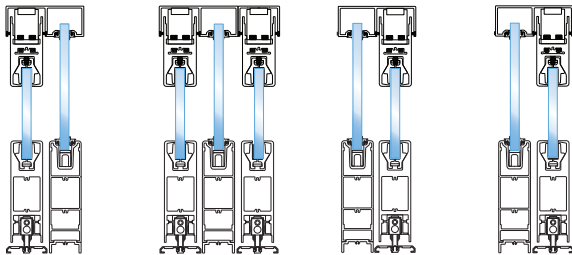
6" (152 mm) Square Bottom Rolling Rail

- With 4" Square DR4S Series Door Top Rails, 6" Square DR6S Series Door Bottom Rails, and 6" Square SR6S Series Sidelite Bottom Rails
- Available in Seven Architectural Finishes

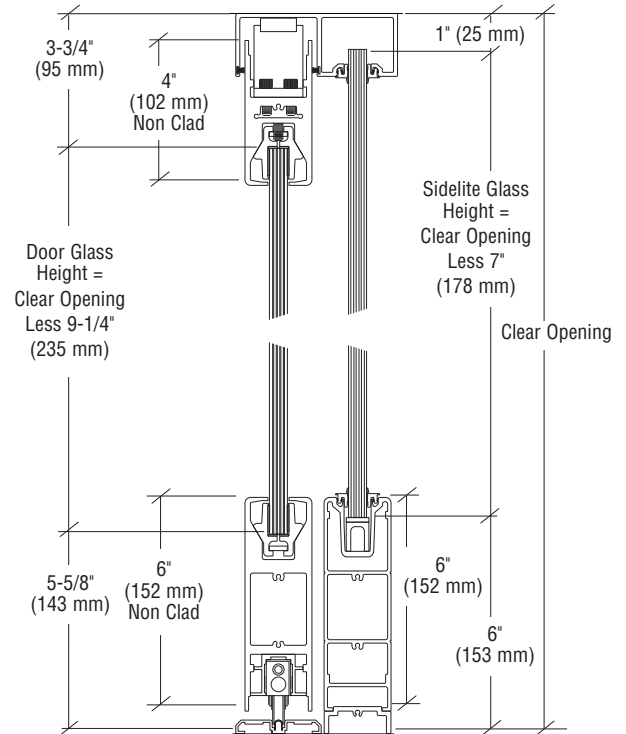
The CRL SSR Bottom Rolling Sliding Door System with 4" (102 mm) Square Door Top Rails and 6" (152 mm) Square Door Bottom Rails, utilizes our popular Wedge-Lock™ Glass Securing System found in the DR4S and DR6S Series Door Rails on all sliding panels. They can be ordered with or without locks in the bottom rail.

The fixed panels utilize our popular SR6S Series Sidelite Rails with roll-in vinyl at the bottom of the panel, and an integrated glazing channel with roll-in vinyl in the top track. Maximum door width is 48" (1219 mm); maximum door height is 108" (2743 mm), with a maximum weight not to exceed 234 pounds (106 kg). All panels are custom fabricated to your specifications.

**NOTE:** Available by custom order only. Most orders can be fabricated in five business days at our Los Angeles, California manufacturing facility. 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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



X = Sliding Panel O = Fixed Panel



4" Square Door Rail Top;  
6" Square Door Rail Bottom;  
Clad or Non Clad; Fixed Panel No Rail Top

### FINISHES

- Satin Anodized
- Black Bronze Anodized
- Black Powder Coat
- \*Brushed Stainless
- \*Polished Stainless
- \*Polished Brass
- \*Satin Brass

\*Clad finish.



XO (OX) BYPASS	XOX BYPASS	OXO BYPASS	OXOX BI-PART
SYSTEM USING 4" SQUARE RAILS TOP AND 6" SQUARE RAILS BOTTOM			
SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.	SERIES CAT. NO.
6SSR2C	6SSR3D	6SSR3E	6SSR4F

Minimum order: 1 each. Must ship common carrier.



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[crlaurence.com](http://crlaurence.com)

[crlaurence.de](http://crlaurence.de)

## CRL Bottom Rolling Sliding Door Systems

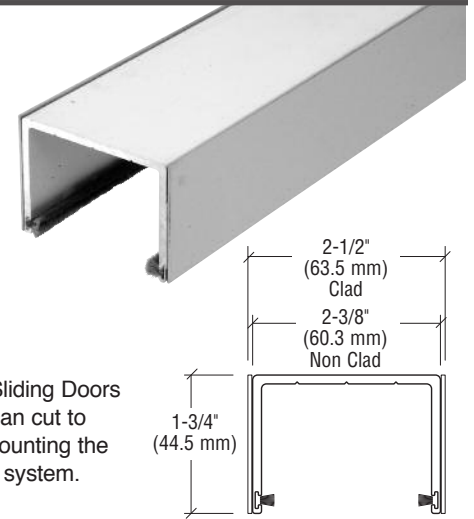
### CRL Top Track for Bottom Rolling Sliding Doors

- Available in Seven Architectural Finishes

CAT. NO.	FINISH	LENGTH
SD1TTSA	Satin Anodized	10' (3.05 m)
SD1TTDU	Black Bronze Anodized	10' (3.05 m)
SD1TTBL	Black Powder Coat	10' (3.05 m)
SD1TTBS	*Brushed Stainless	10' (3.05 m)
SD1TTPS	*Polished Stainless	10' (3.05 m)
SD1TTPB	*Polished Brass	10' (3.05 m)
SD1TTSB	*Satin Brass	10' (3.05 m)

Minimum order: 1 each. Finishes can be combined for quantity pricing. Must ship common carrier. Stock lengths cannot be cut to ship via U.P.S. \*Clad finish.

CRL Top Track for Bottom Rolling Sliding Doors is available in stock lengths that you can cut to size in the field if conditions require mounting the Top Tracks prior to ordering the entire system.



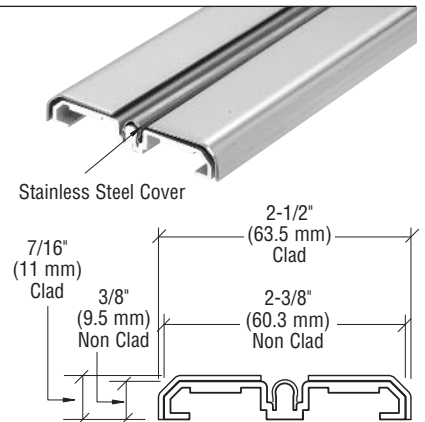
## CRL Bottom Track for Bottom Rolling Sliding Doors

- With Stainless Steel Roller Guide Cover for Durability

CAT. NO.	FINISH	LENGTH
SD1BTSA	Satin Anodized	10' (3.05 m)
SD1BTDU	Black Bronze Anodized	10' (3.05 m)
SD1BTBL	Black Powder Coat	10' (3.05 m)
SD1BTBS	*Brushed Stainless	10' (3.05 m)
SD1BTPS	*Polished Stainless	10' (3.05 m)
SD1BTPB	*Polished Brass	10' (3.05 m)
SD1BTSB	*Satin Brass	10' (3.05 m)

Minimum order: 1 each. Finishes can be combined for quantity pricing. Must ship common carrier. Stock lengths cannot be cut to ship via U.P.S. \*Clad finish.

CRL Bottom Track for Bottom Rolling Sliding Doors comes standard with a durable stainless steel roller guide cover to prevent track wear. They are available in stock lengths that you can cut to size in the field if conditions require mounting the Bottom Tracks prior to ordering the entire system.



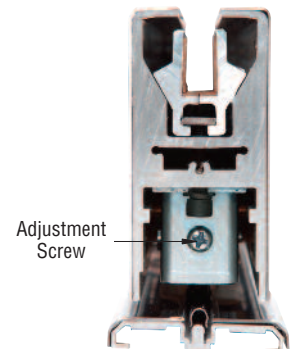
## CRL Heavy-Duty Bottom Roller Assembly

- Easy Alignment of Door Panels Without Removing the Door

CRL Heavy-Duty Bottom Roller Assemblies are constructed from durable, long-lasting components capable of supporting 125 pounds (56.7 kg) each. They have a vertical adjustment of 9/16" (14.3 mm) for easy alignment of door panels without removing the doors. Minimum order is one each.



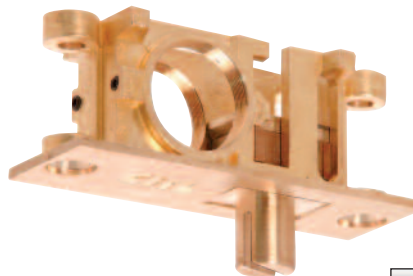
CAT. NO. SDR100



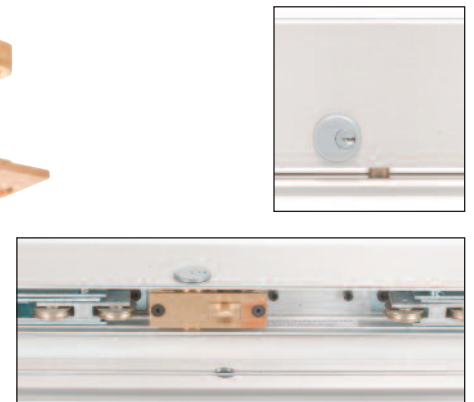
## CRL Straddle Lock for Bottom Rolling Sliding Doors

- Works With Key Cylinder or Thumbturn

The CRL Straddle Lock comes standard with all CRL Bottom Rolling Sliding Doors. The bolt is designed to straddle the stainless steel track cover of the SD1BT Series Bottom Track, penetrating at the sides of the cover, allowing the door panels to roll freely across the locking position. It works with our Cat. No. DRA10 Series Mortise Key Cylinders and Cat. No. DRA20 and DRA22 Series Mortise Thumbturns (see page Z438). Minimum order is one each.



CAT. NO. SDRLOCK1



## CRL Bottom Rolling Sliding Door Systems

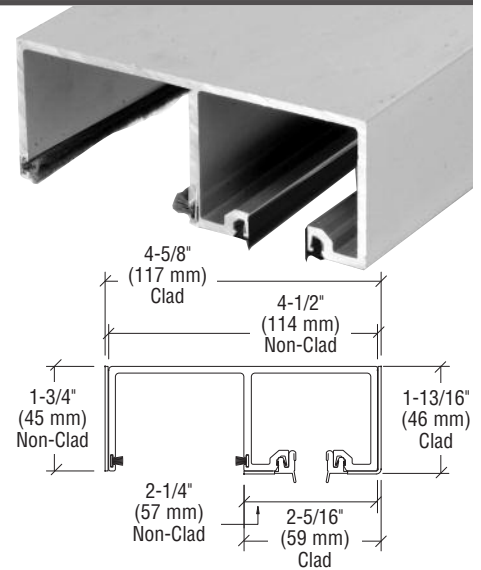
### CRL SSR Top Track for Bottom Rolling Sliding Doors With Glazing Pocket

- Comes With Roll-In Glazing Vinyl for 1/2" (12 mm) Glass

CAT. NO.	FINISH	LENGTH
SSR1TTSA	Satin Anodized	10' (3.05 m)
SSR1TTDU	Black Bronze Anodized	10' (3.05 m)
SSR1TTBL	Black Powder Coat	10' (3.05 m)
SSR1TTBS	*Brushed Stainless	10' (3.05 m)
SSR1TTPS	*Polished Stainless	10' (3.05 m)
SSR1TTPB	*Polished Brass	10' (3.05 m)
SSR1TTSB	*Satin Brass	10' (3.05 m)

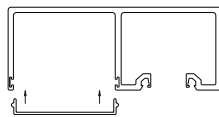
Minimum order: 1 each. Finishes can be combined for quantity pricing. Must ship common carrier. Stock lengths cannot be cut to ship via U.P.S. \*Clad finish.

CRL SSR Top Track With Glazing Pocket is available in stock lengths that you can cut to size in the field if conditions require mounting the SSR Top Tracks prior to ordering the entire system. Roll-In Glazing Vinyl for 1/2" (12 mm) glass is included. Choice of seven architectural finishes.



## CRL Snap-In Filler Strip for Sliding Door Pocket

- Snaps Into the Unused Sliding Door Pocket of Our SD1TT and SSR1TT Series Top Track



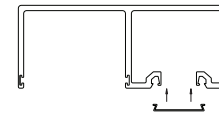
Snap-In Filler Strip for the Sliding Door Pocket of the Top Track gives your project that finished look. It is available in seven architectural finishes.

CAT. NO.	FINISH	LENGTH
SDTTF1SA	Satin Anodized	10' (3.05 m)
SDTTF1DU	Black Bronze Anodized	10' (3.05 m)
SDTTF1BL	Black Powder Coat	10' (3.05 m)
SDTTF1BS	*Brushed Stainless	10' (3.05 m)
SDTTF1PS	*Polished Stainless	10' (3.05 m)
SDTTF1PB	*Polished Brass	10' (3.05 m)
SDTTF1SB	*Satin Brass	10' (3.05 m)

Minimum order: 1 each. Finishes can be combined for quantity pricing. Must ship common carrier. Stock lengths cannot be cut to ship via U.P.S. \*Clad finish.

## CRL Snap-In Filler Strip for Glass Pocket

- Snaps Into the Unused Glass Pocket of Our SSR1TT Series Top Track



Snap-In Filler Strip for the Glass Pocket of the Top Track conceals the unused glass pocket. It is available in seven architectural finishes to give your project a finished look.

CAT. NO.	FINISH	LENGTH
NHF12SA	Satin Anodized	10' (3.05 m)
NHF12DU	Black Bronze Anodized	10' (3.05 m)
NHF12BL	Black Powder Coat	10' (3.05 m)
NHF12BS	*Brushed Stainless	10' (3.05 m)
NHF12PS	*Polished Stainless	10' (3.05 m)
NHF12PB	*Polished Brass	10' (3.05 m)
NHF12SB	*Satin Brass	10' (3.05 m)

Minimum order: 1 each. Finishes can be combined for quantity pricing. Must ship common carrier. Stock lengths cannot be cut to ship via U.P.S. \*Clad finish.

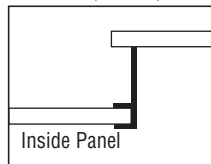
## CRL Sliding Door Gap Closing Polycarbonate

- For 1/2" (12 mm) Glass
- Simple Snap-On Installation

This clear polycarbonate extrusion closes the gap between the two sliding panels in our SDR and SSR Series Sliding Door Systems. Fits glass up to 1/2" (12 mm) thick, and can be permanently adhered using our Cat. No. AT0401436 Double-Sided Very High Bond Tape. Simply apply tape to leading edge of glass on inside panel, then snap extrusion in place.



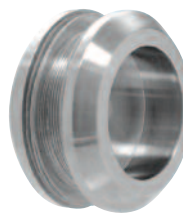
Closes Gaps Up to 1-13/16" (46 mm) Wide



CAT. NO.	STOCK LENGTH
SDGC98	98" (2.5 m)

Minimum order: 1 each. Stock lengths are individually packed to protect them during shipping.

## Optional Pull Hardware



CRL Thru-Glass Pull  
Cat. No. FP214BS  
See page Z571



CRL SGH8 Series Frameless  
Sliding Door Handle  
See page Z504





# CRL HEAVY GLASS SLIDING DOOR SYSTEMS

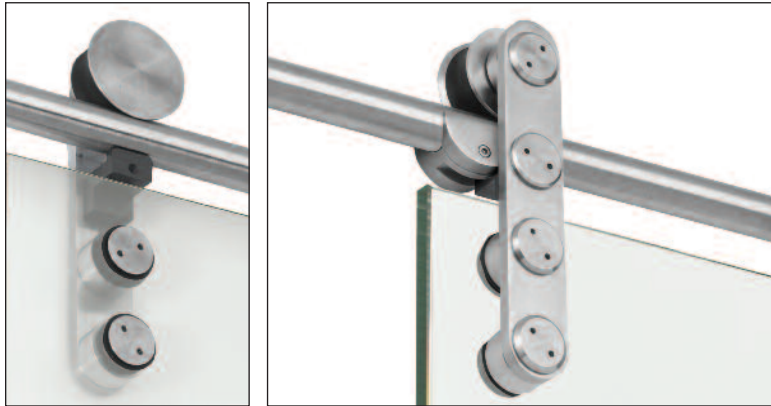
For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover



## CRL Laguna Series Sliding Glass Door System With Anti-Lift Safety Features

**new**

- New Anti-Lift Features for Added Safety
- All 316 Alloy Brushed Stainless Steel Construction
- Ideal for Interior Applications
- For Use With 3/8" or 1/2" (10 or 12 mm) Glass
- Comes With All Fasteners Needed for Either Flush (Countersunk) or Surface (Straight Hole) Mounting
- Custom Adaptor Kits Available for Wood Door Applications



We have upgraded our popular Laguna Series Sliding Glass Door System to now include a new 'anti-lift' feature. Through a combination of additions and very subtle changes, we have improved the performance, safety, and security while still offering a clean, simple look. The Laguna Series Sliding Glass Door System can be installed on glass partitions or directly to the side of a sufficiently reinforced wall. The adjustable Top Rollers make final adjustments quick and easy, without the need to remove the door. Their smooth operation and solid stainless steel construction minimizes maintenance issues.

CRL provides you with all the glass attachment fasteners for either flush mounting, requiring a countersunk hole, or surface mounting, requiring a straight hole. The glass attachment fasteners accommodate either 3/8" or 1/2" (10 or 12 mm) tempered glass. **NOTE:** Laminated glass cannot be used in these systems.

Standardized sets allow you to make planning and purchasing quick and easy for basic installations. We offer four different complete installation assemblies; two for wall mounting, and two for glass mounting. Available accessories give you the opportunity to customize the standard sets to accommodate the most imaginative designers. All components are sized to easily ship via UPS, which helps to keep your job costs and lead times down.

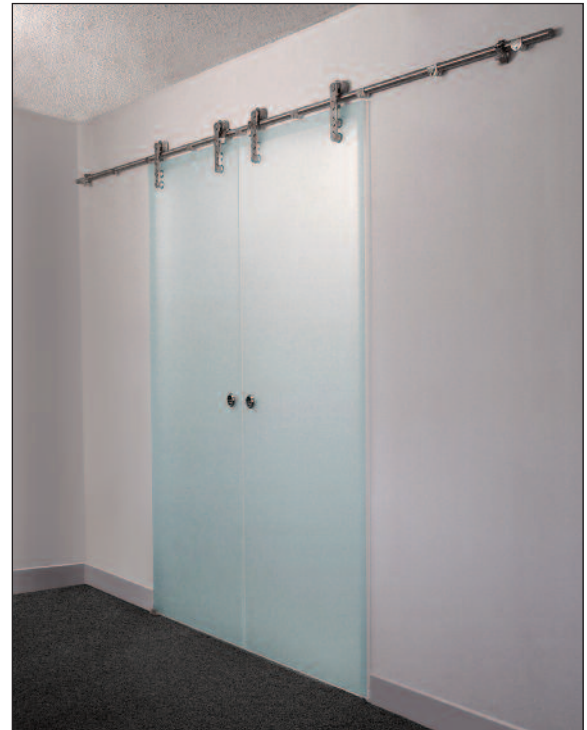
For more information or ordering assistance, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click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

### DOOR SYSTEM LIMITATIONS

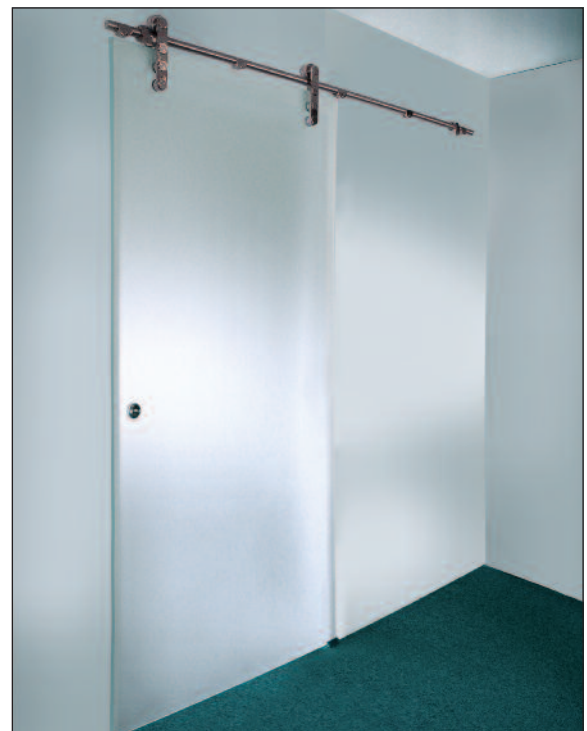
Maximum Door Weight:	220 lbs. (100 kg)
Maximum Panel Width:	53-1/2" (1.36 m)
Maximum Panel Height:	98-7/16" (2.50 m)
Maximum Track Length:	104" (2.64 m)



### Typical Wall Mount Installation



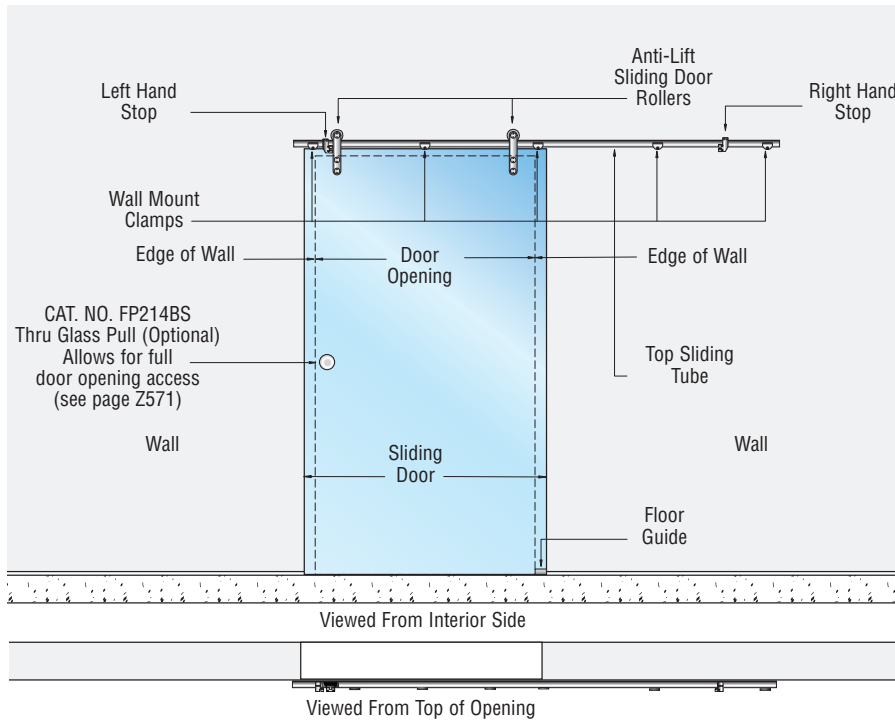
### Typical Glass Mount Installation





## CRL Cat. No. LSWM3BS Laguna Series Single Sliding Door Wall Mount Installation Assembly

**new**

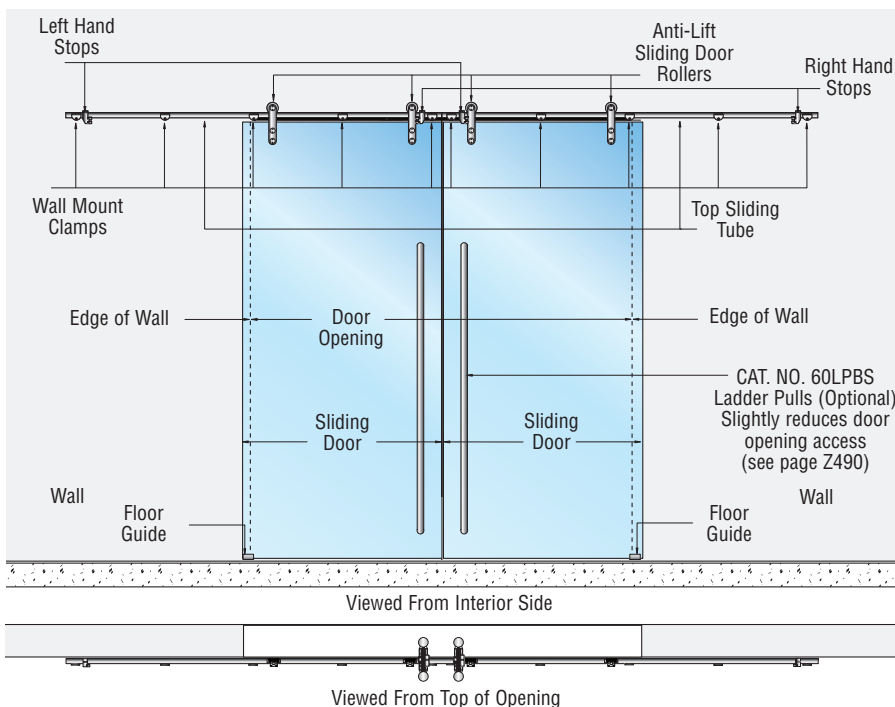


- **New Anti-Lift Design**
- **Assembly Contains All Necessary Hardware to Complete the Installation With 3/8" or 1/2" (10 or 12 mm) Tempered Glass**
- **Brushed Stainless Steel Construction**

The CRL Laguna Series Single Sliding Door Wall Mount Installation Assembly contains all of the components you will need (except the tempered glass) to complete this style of installation. This model is used in applications where you are attaching a single sliding door to the inside face of a sufficiently reinforced wall.

The Anti-Lift Sliding Door Top Rollers can be attached to the glass with either Surface Mount or Flush Mount Fittings (both are supplied). The Rollers have a 1/8" (3.2 mm) +/- vertical adjustment to aid in door alignment. This system should only be used with 3/8" or 1/2" (10 or 12 mm) tempered glass. Laminated glass cannot be used.

## CRL Cat. No. LSWM4BS Laguna Series Double Sliding Door Wall Mount Installation Assembly



- **New Anti-Lift Design**
- **Assembly Contains All Necessary Hardware to Complete the Installation With 3/8" or 1/2" (10 or 12 mm) Tempered Glass**
- **Brushed Stainless Steel Construction**

The CRL Laguna Series Double Sliding Door Wall Mount Installation Assembly contains all of the components you will need (except the tempered glass) to complete this style of installation. This model is used in applications where you are attaching two bi-parting sliding doors to the inside face of a sufficiently reinforced wall.

The Anti-Lift Sliding Door Top Rollers can be attached to the glass with either Surface Mount or Flush Mount Fittings (both are supplied). The Rollers have a 1/8" (3.2 mm) +/- vertical adjustment to aid in door alignment. This system should only be used with 3/8" or 1/2" (10 or 12 mm) tempered glass. Laminated glass cannot be used.

### DOOR SYSTEM LIMITATIONS

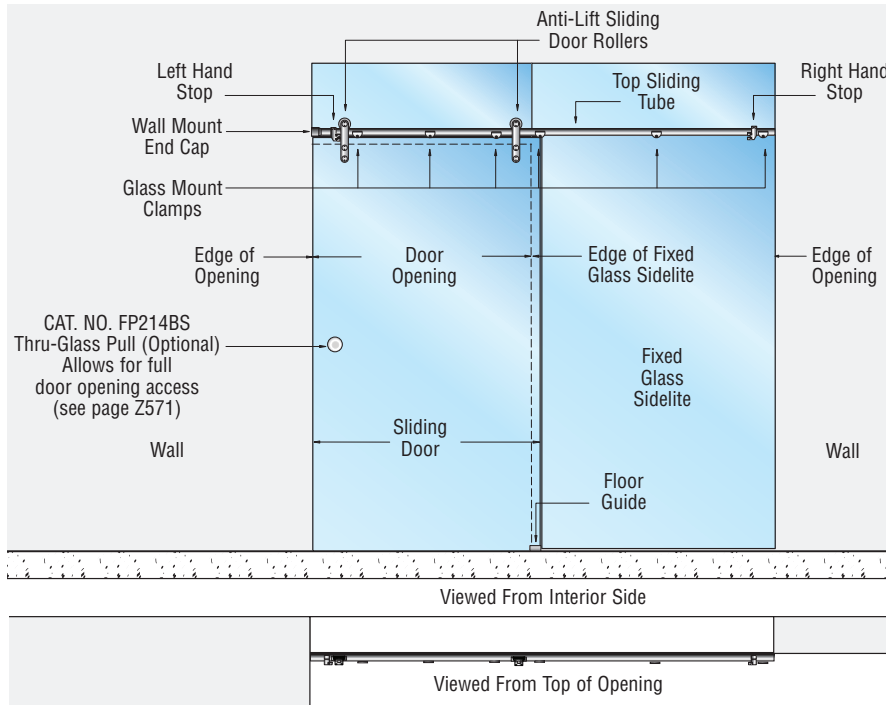
- Maximum Door Weight: 220 lbs. (100 kg)
- Maximum Panel Width: 53-1/2" (1.36 m)
- Maximum Panel Height: 98-7/16" (2.50 m)
- Maximum Track Length: 104" (2.64 m)

Complete glass fabrication details and drawings are available from [crlaurence.com](http://crlaurence.com) or 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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



## CRL Cat. No. LSGM3BS Laguna Series Single Sliding Door Glass Mount Installation Assembly

**new**

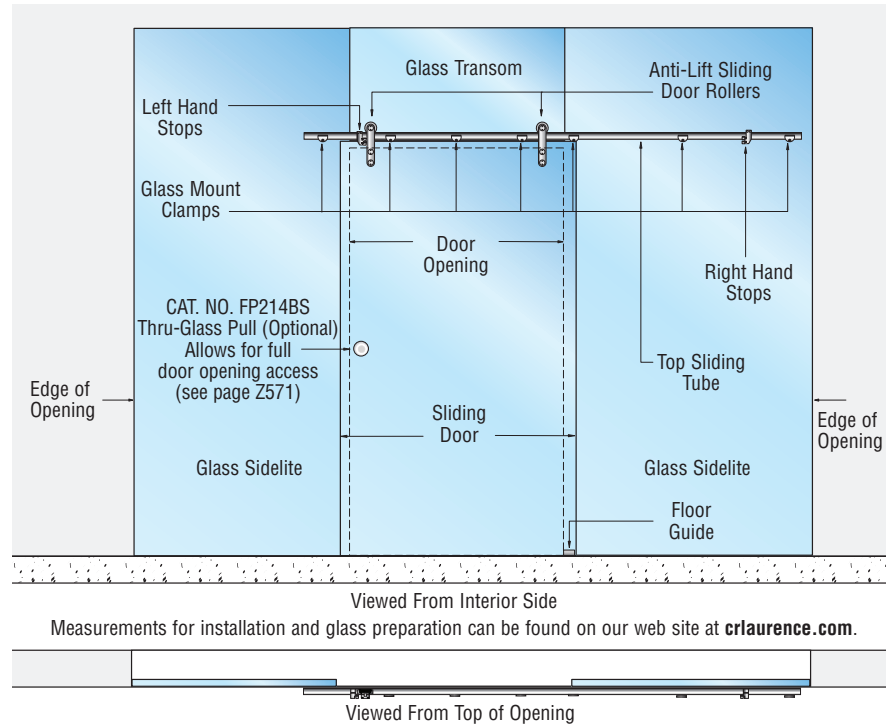


- **New Anti-Lift Design**
- **Assembly Contains All Necessary Hardware to Complete the Installation With 3/8" or 1/2" (10 or 12 mm) Tempered Glass**
- **Brushed Stainless Steel Construction**

The CRL Laguna Series Single Sliding Door Glass Mount Installation Assembly contains all of the components you will need (except the tempered glass) to complete this style of installation. This model is used in applications where you are attaching a single sliding door in an 'all-glass' opening where you have a wall on one end next to the door, a glass transom above the door, and a fixed glass panel on the other side of the door. Bi-parting double doors are not possible for this application.

The Anti-Lift Sliding Door Top Rollers can be attached to the glass with either Surface Mount or Flush Mount Fittings (both are supplied). The Rollers have a 1/8" (3.2 mm) +/- vertical adjustment to aid in door alignment. This system should only be used with 3/8" or 1/2" (10 or 12 mm) tempered glass. Laminated glass cannot be used.

## CRL Cat. No. LSGM4BS Laguna Series Single Sliding Door With Sidelites Glass Mount Installation Assembly



- **New Anti-Lift Design**
- **Assembly Contains All Necessary Hardware to Complete the Installation With 3/8" or 1/2" (10 or 12 mm) Tempered Glass**
- **Brushed Stainless Steel Construction**

The CRL Laguna Series Single Sliding Door With Sidelites Glass Mount Installation Assembly contains all of the components you will need (except the tempered glass) to complete this style of installation. This model is used in applications where you are attaching a single sliding door in an 'all-glass' opening where you have a glass transom above the door and fixed glass panels on both sides of the door. Bi-parting double doors are not possible for this application.

The Anti-Lift Sliding Door Top Rollers can be attached to the glass with either Surface Mount or Flush Mount Fittings (both are supplied). The Rollers have a 1/8" (3.2 mm) +/- vertical adjustment to aid in door alignment. This system should only be used with 3/8" or 1/2" (10 or 12 mm) tempered glass. Laminated glass cannot be used.

### DOOR SYSTEM LIMITATIONS

- Maximum Door Weight: 220 lbs. (100 kg)
- Maximum Panel Width: 53-1/2" (1.36 m)
- Maximum Panel Height: 98-7/16" (2.50 m)
- Maximum Track Length: 104" (2.64 m)

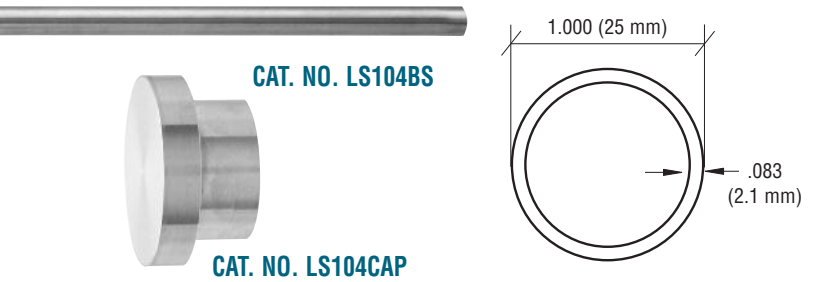
Complete glass fabrication details and drawings are available from [crlaurence.com](http://crlaurence.com) or by contacting our Technical Sales Department at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. You can send e-mail through the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



## CRL Laguna Series Top Sliding Tube

- Supports Sliding Door
- Brushed Stainless Steel
- Includes Two LS104CAP End Caps

This CRL Top Sliding Tube provides support for the sliding door when properly attached to walls using Cat. No. LS302BS Top Sliding Tube Wall Mount Clamps, or to glass panels when using Cat. No. LS303BS Top Sliding Tube Glass Mount Clamp Fittings (see next page).



CAT. NO.	DESCRIPTION	LENGTH	FINISH
LS104BS	Top Sliding Tube With Two End Caps	104" (2.64 m)	Brushed Stainless Steel
LS104CAP	Replacement End Cap	---	Brushed Stainless Steel

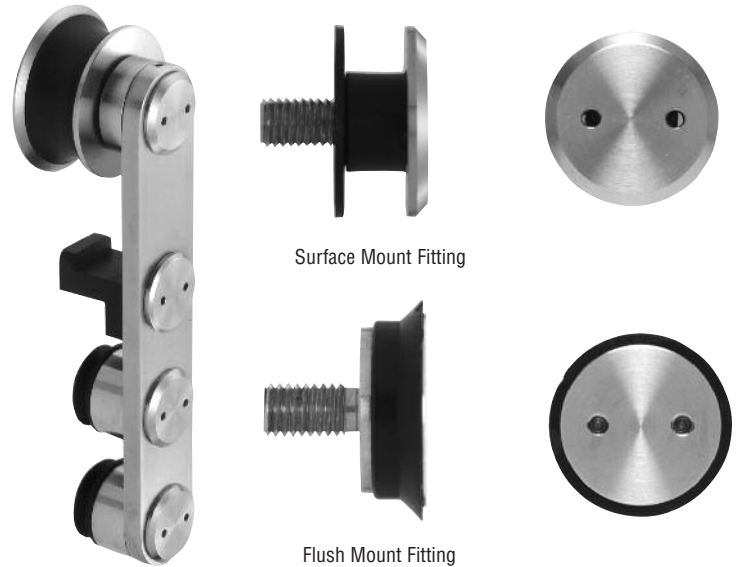
Minimum order: 1 each.

## CRL Laguna Series Anti-Lift Top Roller

- Includes Both Surface Mount and Flush Mount Fittings
- Allows 1/8" (3.2 mm) Vertical Adjustment

**new**

Two CRL Laguna Series Anti-Lift Top Rollers are needed for each sliding door panel. These will be placed on the Cat. No. LS104BS Top Sliding Tube after it has been mounted to the glass panels or wall. The door panel is then positioned and attached to the Rollers. Anti-Lift Top Rollers will allow for 1/8" (3.2 mm) up or down adjustment for final alignment. Rollers are supplied with both Surface Mount and Flush Mount Fittings so the glass fabrication choice is yours.



CAT. NO.	DESCRIPTION	FINISH
LS300BS	Anti-Lift Top Roller	Brushed Stainless Steel

Minimum order: 1 each.

## CRL Universal Spanner Wrench

**new**



Use this CRL Universal Spanner Wrench as a quick and efficient method of attaching or loosening Spanners. Kit includes: one Adjustable Tool, five Metric (1.5, 2, 2.5, 3, and 4 millimeter) Spanner Pin Sets, five Fractional (1/16", 3/32", 1/8", 5/32", and 3/16") Spanner Pin Sets, and one Molded Carrying Case.

CAT. NO.	DESCRIPTION
USW10	Universal Spanner Wrench

Minimum order: 1 each.

## CRL Spanner Wrench



Use this CRL Spanner Wrench as a quick and efficient method to secure and tighten Laguna Series Rollers, Brackets, and Fittings to the glass.

CAT. NO.	DESCRIPTION
SW19	Spanner Wrench

Minimum order: 1 each.

## CRL Spanner Head



This CRL Spanner Head is used with your 1/4" drive ratchet wrench to secure and tighten Laguna Series Rollers, Brackets, and Fittings to the glass. Ratchet wrench not included.

CAT. NO.	DESCRIPTION
LSSW1	1/4" Drive Spanner Head

Minimum order: 1 each.

## CRL Laguna Series Top Sliding Tube Wall Mount Clamp

- Used in Wall Mounting Applications
- Anti-Lift System

**new**

This CRL Top Sliding Tube Wall Mount Clamp attaches to the surface of a sufficiently reinforced wall. The Cat. No. LS104BS Top Sliding Tube is then clamped in place by tightening the jaws of the Clamp. Fasteners are not supplied.



CAT. NO.	DESCRIPTION	FINISH
LS302BS	Top Sliding Tube Wall Mount Clamp	Brushed Stainless Steel

Minimum order: 1 each.

## CRL Laguna Series Top Sliding Tube Glass Mount Clamp

- Used in Glass Transom and Sidelite Applications
- Anti-Lift System

**new**

This CRL Top Sliding Tube Glass Mount Clamp is used in glass transom and sidelite applications. They mount through the holes prepared in the glass. The Cat. No. LS104BS Top Sliding Tube is then clamped in place by tightening the jaws. Supplied with both Surface Mount and Flush Mount Fittings.



CAT. NO.	DESCRIPTION	FINISH
LS303BS	Top Sliding Tube Glass Mount Clamp	Brushed Stainless Steel

Minimum order: 1 each.

## CRL Laguna Series Door Stops

- Prevent 'Over Travel' of Door Panel
- Protects Finished Opening
- Simple to Install

These Door Stops prevent 'over travel' of the door panels used in Laguna Series Assemblies, which helps protect the finished opening and the glass. Door Stops are installed by simply sliding them over the end of the Cat. No. LS104BS Top Sliding Tube and then tightening them in place.

**NOTE:** Left or right handing is determined as viewed from the hardware side of the opening.

CAT. NO.	DESCRIPTION	FINISH
LS105LBS	Left Hand Door Stop	Brushed Stainless Steel
LS105RBS	Right Hand Door Stop	Brushed Stainless Steel

Minimum order: 1 each.



Left Hand



Right Hand

## CRL Laguna Series Top Sliding Tube Wall Mount End Cap

- For Top Sliding Tubes That Terminate Into a Wall

The CRL Top Sliding Tube Wall Mount End Cap is a non-handed fitting. It is used in conditions where the Cat. No. LS104BS Top Sliding Tube terminates into a wall. The elongated hole and internal sleeve make final minor adjustments quick and easy.

CAT. NO.	DESCRIPTION	FINISH
LS106BS	Top Sliding Tube Wall Mount End Cap	Brushed Stainless Steel

Minimum order: 1 each.





# CRL LAGUNA SERIES SLIDING GLASS DOOR SYSTEM

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Laguna Series Bottom Floor Guide

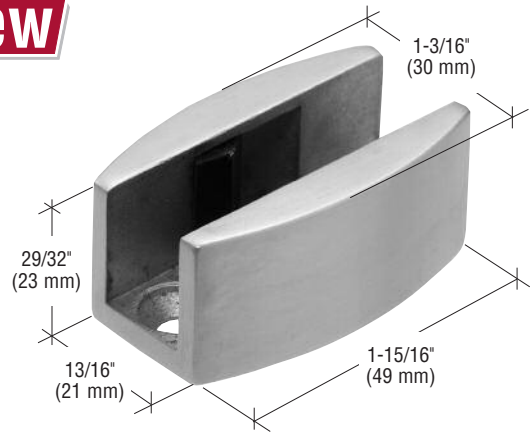
- Stainless Steel Guide Keeps Glass Door Aligned
- Adjustable for 3/8" and 1/2" (10 and 12 mm) Glass Doors

The CRL Laguna Series Bottom Floor Guide is adjustable for 3/8" and 1/2" (10 and 12 mm) glass doors. The Guide keeps the glass door aligned so it can slide straight when opening and closing. It also prevents the door glass from being pushed in at the bottom.

CAT. NO.	DESCRIPTION	FINISH
LS307BS	Bottom Floor Guide	Brushed Stainless Steel

Minimum order: 1 each.

**new**



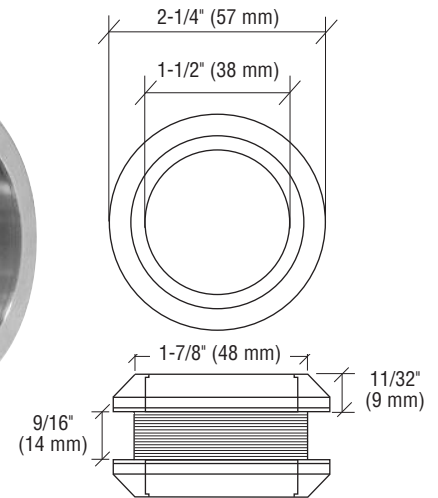
## CRL Laguna Series Thru-Glass Pull

- Low Profile Design Allows for Full Door Opening Access

The CRL Laguna Series Thru-Glass Pull has a recessed low profile design that you screw together to install. Its solid stainless steel construction makes this a rugged yet elegant solution for a pull handle. The thickness of this Thru-Glass Pull doesn't impede movement in front of walls or glass sidelites as it allows for full door opening access. Supplied with clear gaskets to accommodate door glass from 3/8" to 1/2" (10 to 12 mm) thick. **NOTE:** Requires 1-7/8" (48 mm) hole in glass panel for installation. You can use our Cat. No. PDT48MM Diamond Drill to fabricate the proper size hole.

CAT. NO.	DESCRIPTION	FINISH
FP214BS	2-1/4" (57 mm) Thru-Glass Pull	Brushed Stainless Steel

Minimum order: 1 each.



## CRL Ladder Style Back-to-Back Pull Handles

- Locking Ladder Pulls, Extra Length Ladder Pulls, and "S" Style Ladder Pulls
- Heavy Wall Brushed Stainless Steel Tubing
- An Excellent Choice for Laguna Series Glass Doors

CRL Ladder Style Pull Handles accommodate 3/8" and 1/2" (10 and 12 mm) glass, making them an excellent choice for glass doors using Laguna Series hardware. Fabricated using heavy wall brushed stainless steel tubing. Several lengths are stocked, with custom sizes also available. See additional details and finishes on pages Z490 to Z497. **NOTE:** Use of these Pull Handles will slightly reduce door opening access. Laguna Series Door Stops (see page Z570) should be adjusted to prevent 'over travel'.



## CRL Back-to-Back Pull Handles for Glass Doors

- The Industry's Largest Selection

CRL manufacturers a complete selection of Back-to-Back Pull Handles in a variety of finishes and styles for sliding and swinging glass doors. Turn to pages Z500 to Z504.

Custom handles for hotels, casinos, storefronts, and more are available on special order to meet your exact requirements. Turn to page Z506.



## CRL Laguna Series Pivot Door System

- All 316 Alloy Brushed Stainless Steel Construction
- Ideal for Interior Room Applications
- For Use With 3/8" (10 mm) or 1/2" (12 mm) Tempered Glass
- Comes With All Fasteners Needed for Either Flush Mount (Countersunk) or Surface Mount (Straight Hole) Glass Fabrication



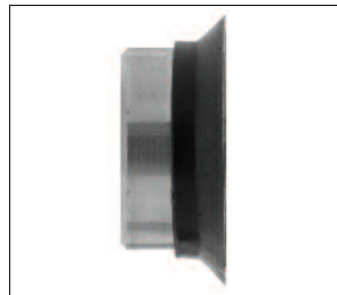
Our Laguna Series Hardware brings a contemporary look to interior home or office partitions. Made of high-grade 316 alloy stainless steel, it will give years of reliable function and modern beauty to your projects.

The CRL Laguna Pivot Door System can be used with free-swinging doors, or doors controlled by floor mounted door closers. The hardware can be ordered in sets or by individual components.

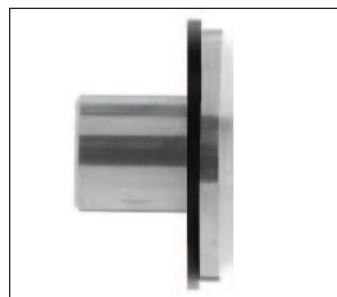
CRL provides you with all of the Glass Fasteners for either flush mounting, which requires a countersunk hole, or surface mounting, where a straight hole is needed. The Glass Fasteners will accommodate either 3/8" (10 mm) or 1/2" (12 mm) tempered glass. Laminated glass cannot be used with this type of hardware.

Standardized sets allow easy planning and purchasing for a number of basic configurations. Available accessories give you the opportunity to customize the standard sets to accommodate the most imaginative designers.

**NOTE:** Care should be taken when using this system in exterior applications to ensure that air and water infiltration can be minimized.

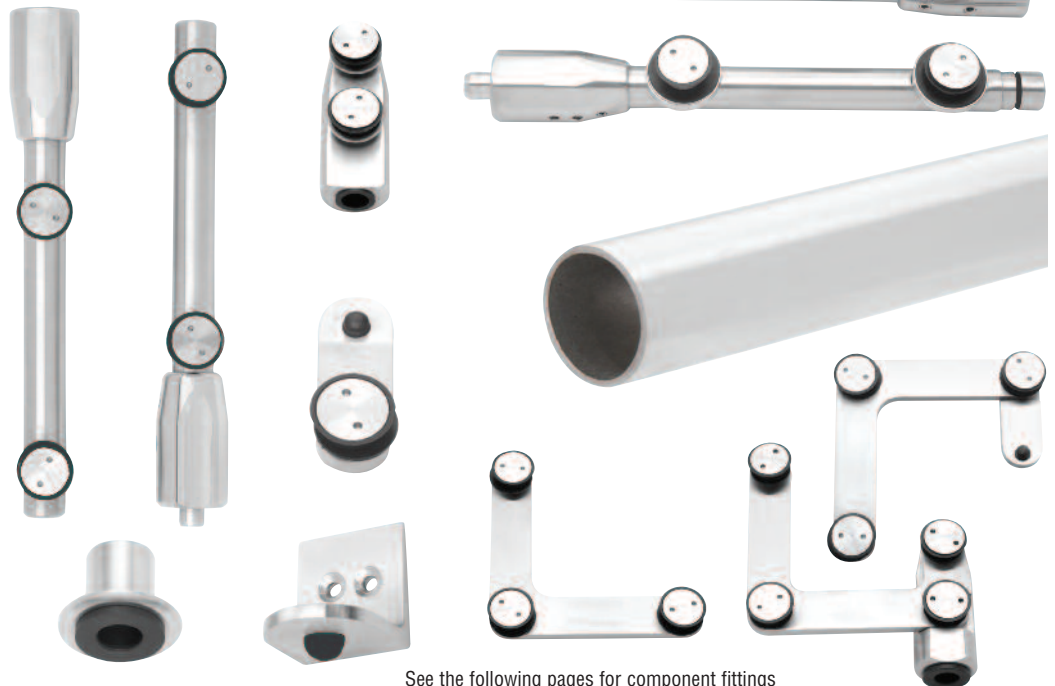


Flush Mount Fastener



Surface Mount Fastener

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](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



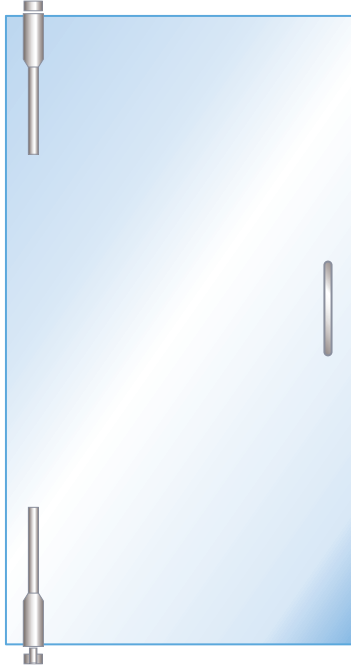
See the following pages for component fittings

### System Limitations:

- Maximum Door Weight: 176 Lbs. (80 kg)
- Maximum Panel Width: 47-1/4" (1.2 m)
- Maximum Panel Height: 98-7/8" (2.5 m)



## CRL Laguna Series Pivot Door System Basic Hardware Sets



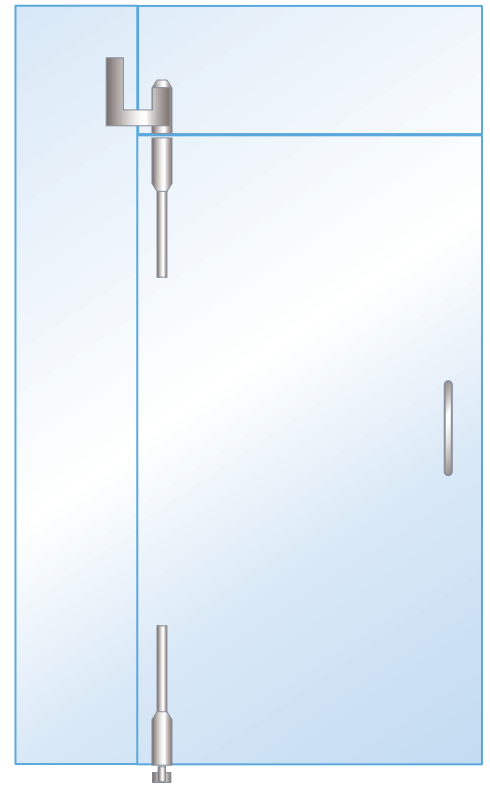
### CAT. NO. LS14BS

The LS14BS Hardware Set consists of:  
 1 each LS1BS Free-Swinging Top Pivot  
 1 each LS5BS Top and Bottom Pivot Rod Set  
 (Closers or Bottom Pivots are sold separately)  
 Minimum order is one set.



### CAT. NO. LS24BS

The LS24BS Hardware Set consists of:  
 1 each LS2BS Transom Mounted Free-Swinging Top Pivot  
 1 each LS5BS Top and Bottom Pivot Rod Set  
 (Closers or Bottom Pivots are sold separately)  
 Minimum order is one set.

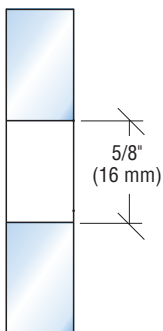


### CAT. NO. LS34BS

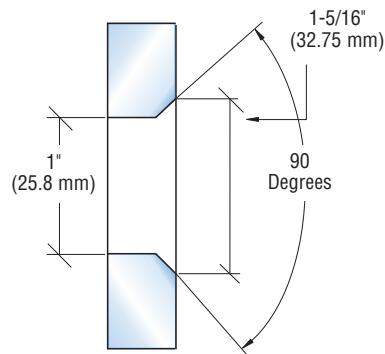
The LS34BS Hardware Set consists of:  
 1 each LS3BS Transom/Sidelite Free-Swinging Top Pivot  
 1 each LS5BS Top and Bottom Pivot Rod Set  
 (Closers or Bottom Pivots are sold separately)  
 Minimum order is one set.

## Dual Fabrication Options for the Laguna Series Pivot Door System

### • Surface Mount Detail



### • Flush Mount Detail



Additional Laguna Series accessories are available to meet various job conditions or requirements. Please refer to pages Z574 and Z575 for accessory fittings and system components. See pages Z490 to Z504 for our selection of Glass Door Pull Handles, which must be ordered separately.

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](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products

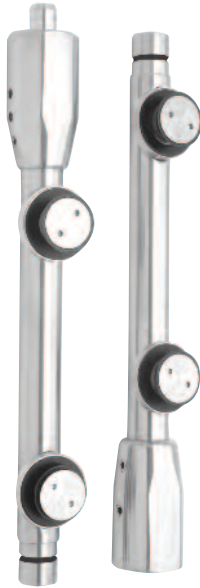


## CRL Laguna Series Pivot Door System Component Fittings



### CRL Top and Bottom Pivot Rods for Full Height Vertical Rod Insert

These Top and Bottom Pivot Rods are used with Cat. No. LS7BS Full Height Vertical Rod Insert to create a full height vertical pivot rod. Comes with both Flush Mount and Surface Mount Fasteners.



### CRL Full Height Vertical Rod Insert



This Full Height Vertical Rod Insert is used with Cat. No. LS8BS Top and Bottom Pivot Rods to create a full height vertical pivot rod. Rod length is 76-1/4" (1.94 m), outside diameter is 1" (25.4 mm), with a wall thickness of .083" (2.1 mm).

CAT. NO.	FINISH
LS8BS	Brushed Stainless

Minimum order: 1 each.

CAT. NO.	FINISH
LS7BS	Brushed Stainless

Minimum order: 1 each.

### CRL Ceiling Mounted Door Stop Fitting

The Ceiling Mounted Door Stop Fitting mounts directly to the ceiling or header for single acting doors. Fasteners not included.



### CRL Transom/Sidelite Door Stop Fitting

The Transom/Sidelite Door Stop Fitting connects the sidelite panel to the glass transom. Comes with both Flush Mount and Surface Mount Fasteners.



CAT. NO.	FINISH
LS10BS	Brushed Stainless

Minimum order: 1 each.

CAT. NO.	FINISH
LS11BS	Brushed Stainless

Minimum order: 1 each.

### CRL Universal Spanner Wrench

**new**



Use this CRL Universal Spanner Wrench as a quick and efficient method of attaching or loosening Spanners. Kit includes; one Adjustable Tool, five Metric (1.5, 2, 2.5, 3, and 4 millimeter) Spanner Pin Sets, five Fractional (1/16, 3/32, 1/8, 5/32, and 3/16 inch) Spanner Pin Sets, and one Molded Carrying Case.

CAT. NO.	DESCRIPTION
USW10	Universal Spanner Wrench

Minimum order: 1 each.

### CRL Spanner Wrench



Use this CRL Spanner Wrench as a quick and efficient method to secure and tighten Laguna Series Brackets and Fittings to the glass.

CAT. NO.	DESCRIPTION
SW19	Spanner Wrench

Minimum order: 1 each.

### CRL Spanner Head



This CRL Spanner Head is used with your 1/4" drive ratchet wrench to secure and tighten Laguna Series Brackets and Fittings to the glass. Ratchet wrench not included.

CAT. NO.	DESCRIPTION
LSSW1	1/4" Drive Spanner Head

Minimum order: 1 each.

# CRL LAGUNA SERIES PIVOT DOOR SYSTEM

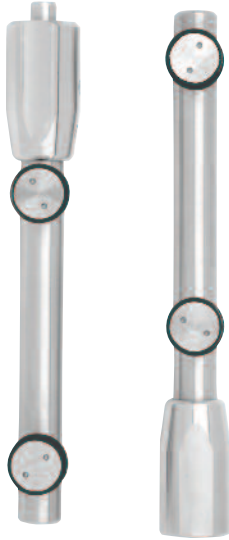
For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Laguna Series Pivot Door System Component Fittings



### CRL Standard Top and Bottom Pivot Rods

The LS5BS is the typical Top and Bottom Pivot Rod Set used for the door. It is compatible with any CRL Floor Mounted Door Closer. Comes with both Flush Mount and Surface Mount Fasteners.



CAT. NO. **LS5BS** FINISH **Brushed Stainless**

Minimum order: 1 each.

### CRL Free-Swinging Top Pivot

This Free-Swinging Top Pivot can be mortised into either the wood header or an aluminum tube over the doorway.

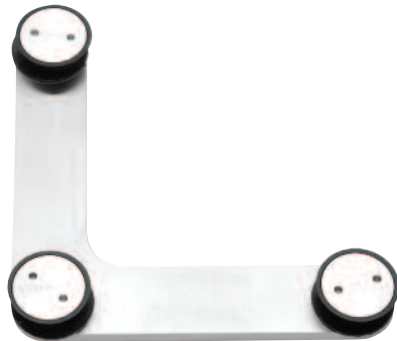


CAT. NO. **LS1BS** FINISH **Brushed Stainless**

Minimum order: 1 each.

### CRL Transom/Sidelite Support Bracket

The LS6BS Transom/Sidelite Support Bracket is used to support the leading edge of a glass transom over a single door. Comes with both Flush Mount and Surface Mount Fasteners



CAT. NO. **LS6BS** FINISH **Brushed Stainless**

Minimum order: 1 each.

### CRL Transom Mounted Free-Swinging Top Pivot Fitting

This Free-Swinging Top Pivot Fitting is used in areas where there is not a supporting glass panel next to the door. Comes with both Flush Mount and Surface Mount Fasteners



CAT. NO. **LS2BS** FINISH **Brushed Stainless**

Minimum order: 1 each.

### CRL Glass Mounted Door Stop Fitting

This Glass Mounted Door Stop Fitting is used individually or in pairs to prevent the door from swinging in a given direction.



CAT. NO. **LS9BS** FINISH **Brushed Stainless**

Minimum order: 1 each.

### CRL Transom/Sidelite Free-Swinging Top Pivot Fitting

The Transom/Sidelite Free-Swinging Top Pivot Fitting attaches to the sidelite panel and the glass transom over the door. Comes with both Flush Mount and Surface Mount Fasteners.



CAT. NO. **LS3BS** FINISH **Brushed Stainless**

Minimum order: 1 each.

# CRL BERETTA SERIES PIVOT DOOR

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Beretta Series Patch Fitting System

**new**



- **New Contemporary Style**
- **Minimal Glass Fabrication Required**
- **Great for Interior Offices, Conference Rooms, or Display Cases**
- **Available in Polished Chrome and Brushed Nickel Finishes**

The Beretta Series is the latest addition to our comprehensive Patch Fitting Program, and it gives the typical 'all-glass' door a totally new look! Beretta's cylindrical design offers a unique and fresh look for interior office or conference room doors. The compact closing mechanism reduces the impact a typical closer has on an opening, and with the availability of free-swinging top and bottom pivots the doors look like they are floating on air.



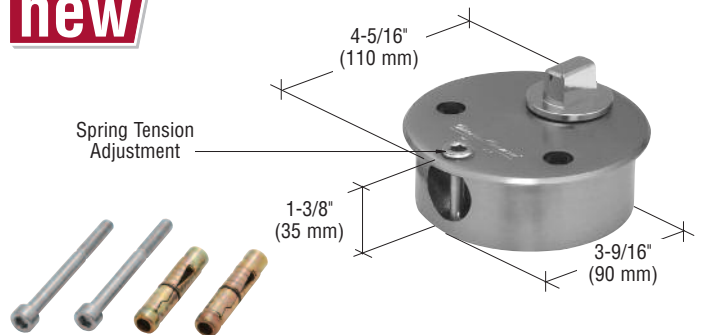
## CRL Beretta Floor Closer

- **Self Closing With Hold Open at 90 Degrees**
- **For Use With CRL Door Rails or Patch Fittings**
- **Available in Polished Chrome and Brushed Nickel Finishes**
- **Non-Handed**

This unique new Beretta Floor Closer is small and compact, only 4-5/16" (110 mm) in diameter by 1-3/8" (35 mm) tall, but can handle a door up to 35-1/2" (902 mm) wide by 94-1/2" (2400 mm) tall with a maximum weight of 176 pounds (80 kg).

It has been tested to 250,000 cycles and is all mechanical, not hydraulic, with a hold open feature at 90 degrees. It works with any of our Door Rails or Patch Fittings that accept a tapered spindle. Installs easily into existing concrete floors. See page Z579 for installation accessories.

**new**



CAT. NO.	FINISH
<b>BS10CH</b>	Polished Chrome
<b>BS10BN</b>	Brushed Nickel

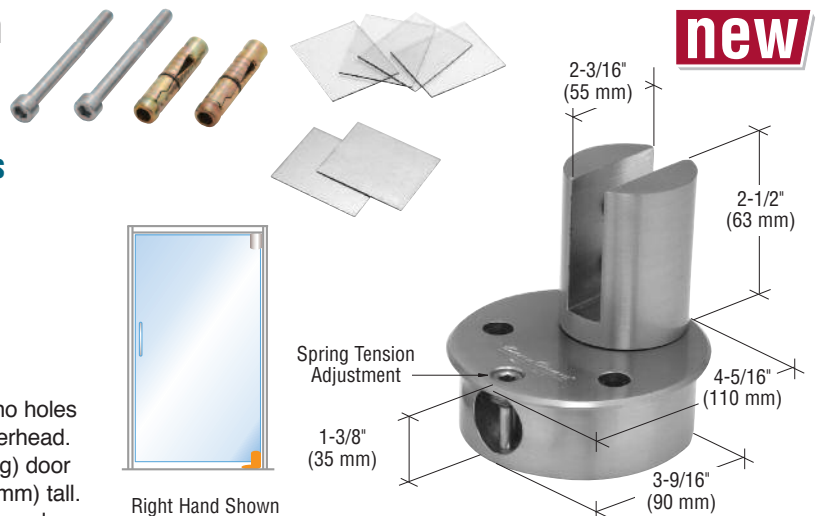
Minimum order: 1 each. All Beretta Fittings can be combined for quantity pricing.

## CRL Beretta Closer With Door Patch

- **For Use With 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass**
- **Self Closing With Hold Open at 90 Degrees**
- **No Notches or Holes Needed in the Glass**
- **Available in Polished Chrome and Brushed Nickel Finishes**
- **Left and Right Handed Models Available**

This combination Beretta Closer with Door Patch requires no holes or notches in the glass, and can be installed in the floor or overhead. When used in the floor, it can handle up to a 176 pound (80 kg) door with a maximum width of 35-1/2" (902 mm) by 94-1/2" (2400 mm) tall. When used overhead, the maximum weight of the door is reduced to 155 pounds (70 kg) with a maximum width of 32" (813 mm) by 87" (2210 mm) tall.

Install the Closer along with any of the Door Patches found on page Z577, and simply slide your glass in, tighten the set screws and you are done, it's that easy!



LEFT HAND CAT. NO.	RIGHT HAND CAT. NO.	FINISH
<b>BS20LCH</b>	<b>BS20RCH</b>	Polished Chrome
<b>BS20LBN</b>	<b>BS20RBN</b>	Brushed Nickel

Minimum order: 1 each. All Beretta Fittings can be combined for quantity pricing.



**C.R. LAURENCE COMPANY**

Z576 |

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crlaurence.de

**crlaurence.com**



## CRL Beretta Top Door Patch With Pivot

- For Use With 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass
- Fastened With Set Screws, No Notches or Holes Needed in the Glass
- Available in Polished Chrome and Brushed Nickel Finishes
- Non-Handed

The Beretta Top Door Patch With Pivot can be used in combination with the Beretta Bottom Door Patch (see below) to create a free-swinging door, or with the Beretta Closer With Door Patch (see page Z576) to give you a fully self-closing door. Like the Beretta Bottom Door Patch, there is no glass fabrication required. Clear gaskets and stainless steel securing plates included.



CAT. NO.	FINISH
BS30CH	Polished Chrome
BS30BN	Brushed Nickel

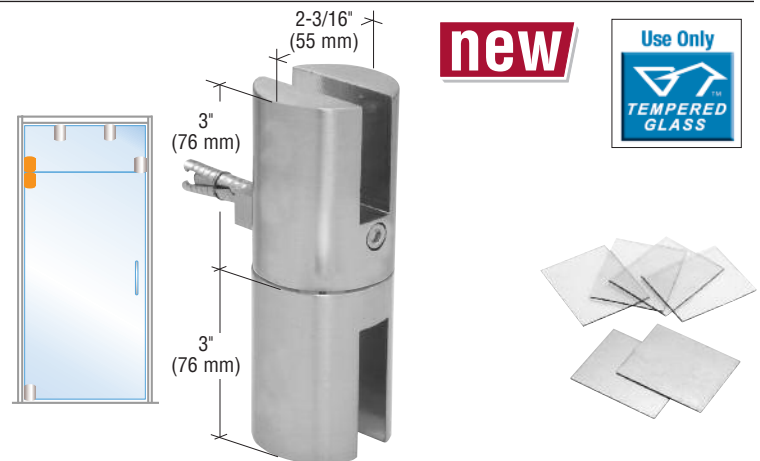
Minimum order: 1 each. All Beretta Fittings can be combined for quantity pricing.

## CRL Beretta Transom/Wall Mount Pivot Patch

- For Use With 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass
- Available in Polished Chrome and Brushed Nickel Finishes
- Non-Handed

This Beretta Transom/Wall Mount Pivot Patch provides both the Top Door Patch and the Top Pivot for your door when a transom is used. It attaches to both the transom and the wall, or jamb, for rigidity.

Additional Beretta Fixed Glass Fittings (shown on page Z578) or an alternate method of attachment must be used to securely install the transom glass. **NOTE:** The door glass requires a corner notch when using this patch. Template, clear gaskets, and stainless steel securing plates included.



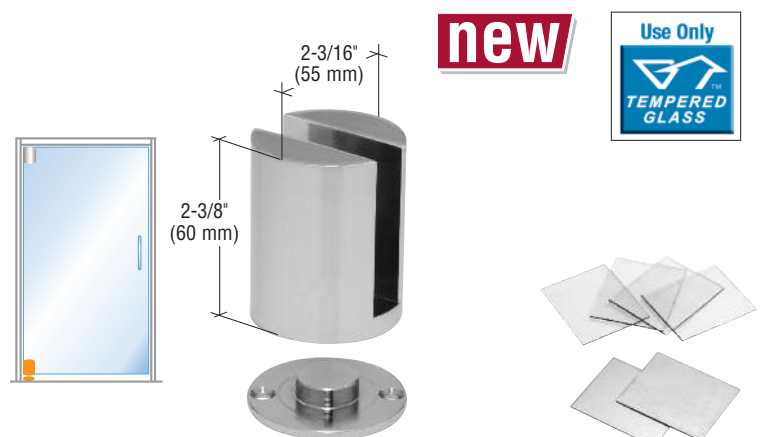
CAT. NO.	FINISH
BS40CH	Polished Chrome
BS40BN	Brushed Nickel

Minimum order: 1 set. All Beretta Fittings can be combined for quantity pricing.

## CRL Beretta Bottom Door Patch With Pivot

- For Use With 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass
- Fastened With Set Screws, No Notches or Holes Needed in the Glass
- Available in Polished Chrome and Brushed Nickel Finishes
- Non-Handed

This Beretta Bottom Door Patch With Pivot combination will support a door weighing up to 155 lbs. (70 kg) with a maximum width and height of 32" x 87" (813 x 2210 mm). When used with the Beretta Top Door Patch (see above) an attractive, easy to install 'all-glass' door is created. This hardware requires no glass fabrication making installation quick and easy. Clear gaskets and stainless steel securing plates included.



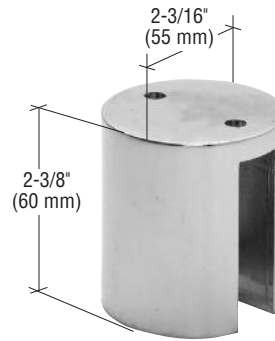
CAT. NO.	FINISH
BS50CH	Polished Chrome
BS50BN	Brushed Nickel

Minimum order: 1 each. All Beretta Fittings can be combined for quantity pricing.

## CRL Beretta End Mount Light-Duty Fixed Panel Clamp

- For Use With 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass
- Fastened With Set Screws, No Notches or Holes Needed in the Glass
- Available in Polished Chrome and Brushed Nickel Finishes
- Non-Handed

The Beretta End Mount Light-Duty Fixed Panel Clamp can be used to secure glass panels adjacent to the door, or transom panels above the door. This hardware requires no glass fabrication, making installation quick and easy. Clear gaskets and stainless steel securing plates included.



**new**



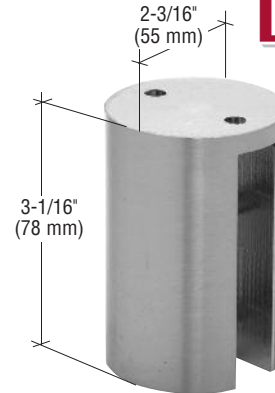
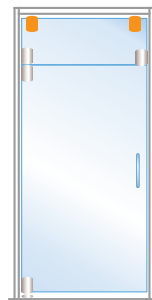
CAT. NO.	FINISH
BS60CH BS60BN	Polished Chrome Brushed Nickel

Minimum order: 1 each. All Beretta Fittings can be combined for quantity pricing.

## CRL Beretta End Mount Heavy-Duty Fixed Panel Clamp

- For Use With 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass
- Two 5/8" (16 mm) Holes Needed in the Glass
- Available in Polished Chrome and Brushed Nickel Finishes
- Non-Handed

The Beretta End Mount Fixed Heavy-Duty Panel Clamp can be used to secure glass panels adjacent to the door, transom panels above the door, or even to suspend glass panels from structure above. **NOTE:** This hardware requires two 5/8" (16 mm) diameter holes in the glass. Clear gaskets and stainless steel securing plates included.



**new**



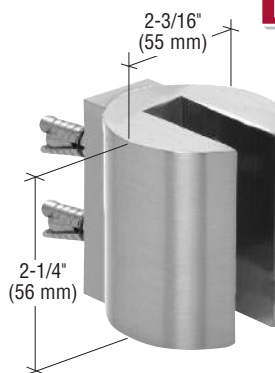
CAT. NO.	FINISH
BS70CH BS70BN	Polished Chrome Brushed Nickel

Minimum order: 1 each. All Beretta Fittings can be combined for quantity pricing.

## CRL Beretta Wall Mount Fixed Panel Clamp

- For Use With 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass
- Fastened With Set Screws, No Notches or Holes Needed in the Glass
- Available in Polished Chrome and Brushed Nickel Finishes
- Non-Handed

The Beretta Wall Mount Fixed Panel Clamp can be used to secure glass panels adjacent to the door, or transom panels above the door. This hardware requires no glass fabrication, making installation quick and easy. Clear gaskets and stainless steel securing plates included.



**new**



CAT. NO.	FINISH
BS80CH BS80BN	Polished Chrome Brushed Nickel

Minimum order: 1 each. All Beretta Fittings can be combined for quantity pricing.

## CRL Beretta Series Pull Handles

- For Use With 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass
- Two Sizes Available
- Available in Polished Chrome and Brushed Nickel Finishes

**new**



### SPECIFICATIONS:

**Use With:** 3/8" and 1/2" (10 and 12 mm) Tempered Glass

**Construction:** 2" (51 mm) Diameter Cast Solid Brass

**Glass Fabrication Required:** Two 5/8" (16 mm) Diameters Holes

CAT. NO.	OVERALL LENGTH	MOUNTING HOLES CENTER-TO-CENTER	FINISH
<b>BS8X8CH</b>	9-3/8" (238 mm)	8" (203 mm)	Polished Chrome
<b>BS8X8BN</b>	9-3/8" (238 mm)	8" (203 mm)	Brushed Nickel
<b>BS20X20CH</b>	21-3/8" (543 mm)	20" (508 mm)	Polished Chrome
<b>BS20X20BN</b>	21-3/8" (543 mm)	20" (508 mm)	Brushed Nickel

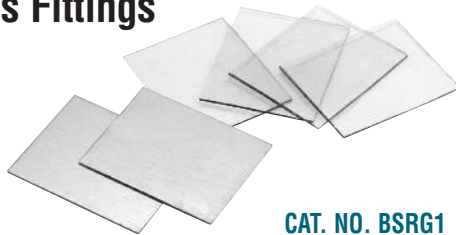
Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.



## CRL Replacement Gaskets and Securing Plates for Beretta Series Fittings

**new**

Replacement set includes four Clear Gaskets and two stainless steel Securing Plates. Minimum order is one set.

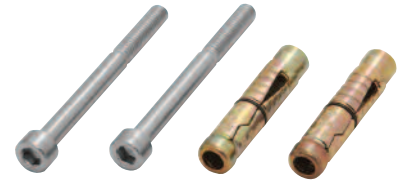


CAT. NO. BSRG1

## CRL Replacement Anchors for Beretta Closer

**new**

Replacement set includes two M6 Concrete Expansion Anchors used to install the CRL Beretta Closer into concrete. Minimum order is one set.



CAT. NO. BSRA1

## CRL Portable Core Drilling Unit

**new**

- Bubble Level for Accurate Unit Alignment
- Drill Centering Indicator
- Hand Crank Attaches to Either Side

This CRL Portable Core Drilling Unit has a strong 17.6 AMP three speed motor with a stationary drill stand. This unit is lightweight and perfect for one-person operation. The grinding bits are cooled directly by a Cat. No. AMZ200 pressurized coolant tank (sold separately). Drill base can be anchored to sub-flooring or, when working on finished flooring, simply apply pressure on base handle with foot, and top of stand by hand while lowering drill head with the hand crank. Minimum order is one each.

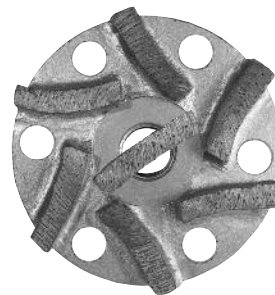


CAT. NO. PCD1

## CRL Diamond Blind Hole Grinder and Portable Coolant Tank

**new**

- Grinds Perfect 90 mm Hole for Beretta Floor Closer
- For Use With CRL Portable Core Drilling Unit
- Pressurized Coolant Tank Attaches to CRL Portable Core Drilling Unit



CAT. NO. BHDD90  
90 mm Hole Grinder



CAT. NO. AMZ200  
Coolant Pressure Tank



## CRL Frameless Storefront and Entrance Patch Hardware

- An Excellent Choice for 'All-Glass' Entrances
- Provides Frameless Storefront Appearance for Unobstructed Display of Merchandise
- Allows Combination of Aesthetics and Versatility
- 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



## Seizing That 1-1/2 Seconds of Opportunity...

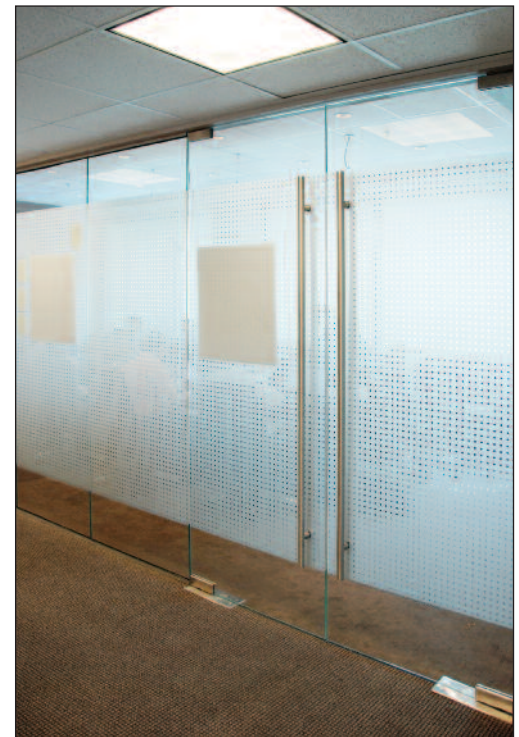
According to national statistics, the average merchant has only 1-1/2 seconds to attract a passing customer into his/her business. Through attractive window displays of trendy or proprietary products that fit a business, you increase the odds that the passing customer will enter. Just as important is the presentation, or how the customer is able to view the display unobstructed, without clutter and distraction to detract from the merchandise.

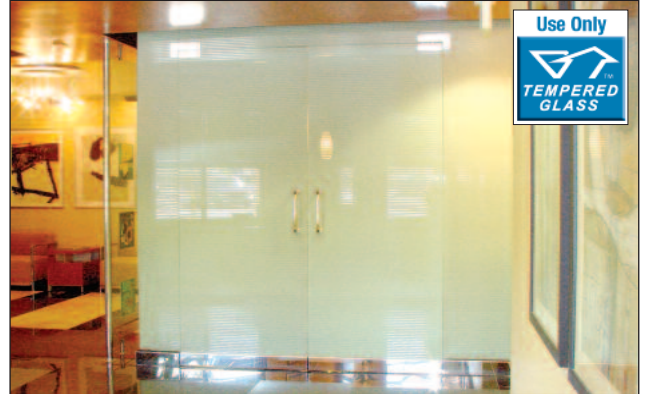
A standard aluminum framed storefront system consists of vertical and horizontal extrusions that distract the eye from the merchandise displayed. A storefront system using Patch Hardware has minimal distractions, and creates an almost frameless appearance. The result is customer concentration on the merchandise, not the surrounding glass support system. C.R. Laurence offers a variety of Patch Hardware to make this state of the art glazing system available to the storefront industry. CRL's commitment to our customers is to carry sufficient inventories of popular stock items, and short lead times for special orders. It is a total program that will allow your entry into the frameless storefront or 'all-glass' entrance market.

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. 7700. You can also send e-mail from the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.

## Common Applications:

- Mall Fronts
- Retail Outlets
- Hotels
- Arenas and Museums
- Professional Office Buildings
- Restaurants and Clubs





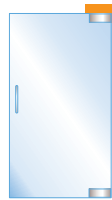
## Popular Configurations of Toughened Glass Assemblies



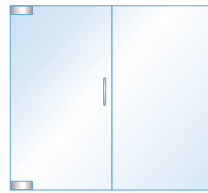
Single Door With Manual Top and Bottom Pivots



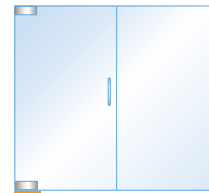
Single Door With Floor Closer



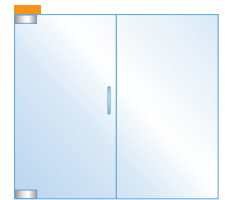
Single Door With Concealed Overhead Closer



Single Door and Sidelite With Top and Bottom Manual Pivots



Single Door and Sidelite With Floor Closer



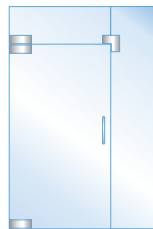
Single Door and Sidelite With Concealed Overhead Closer



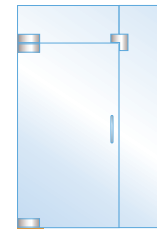
Single Door and Transom With Top and Bottom Manual Pivots



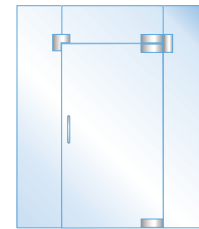
Single Door and Transom With Floor Closer



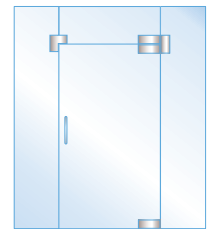
Single Door, Transom and Sidelite With Top and Bottom Manual Pivots



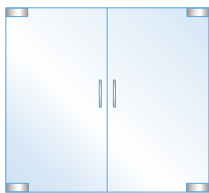
Single Door, Transom and Sidelite With Floor Closer



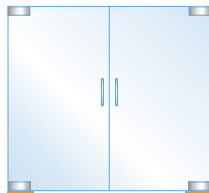
Single Door, Transom and Sidelites With Top and Bottom Manual Pivots



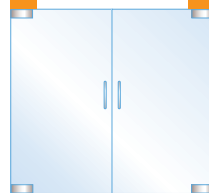
Single Door, Transom and Sidelites With Floor Closer



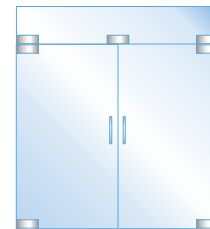
Paired Doors With Top and Bottom Manual Pivots



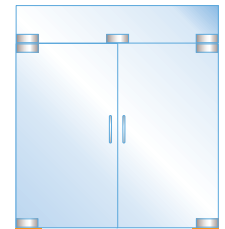
Paired Doors With Floor Closers



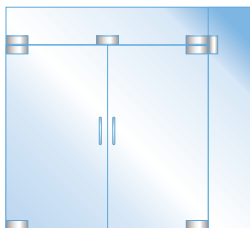
Paired Doors With Concealed Overhead Closers



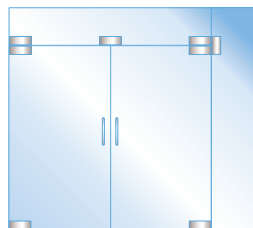
Paired Doors and Transom With Top and Bottom Manual Pivots



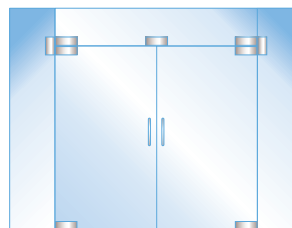
Paired Doors and Transom With Floor Closers



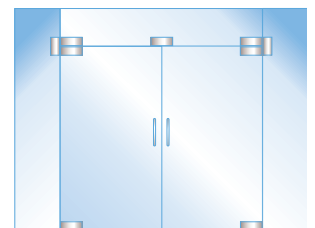
Paired Doors, Transom and Sidelite With Top and Bottom Manual Pivots



Paired Doors, Transom and Sidelite With Floor Closers



Paired Doors, Transom and Sidelites With Top and Bottom Manual Pivots



Paired Doors, Transom and Sidelites With Floor Closers

## CRL Curved Top Door Patch Fitting

- 2-11/16" (68 mm) Pivot Setback
- For 3/8" or 1/2" (10 or 12 mm) Glass

For Use With:



**CPF34**  
Transom Patch



**CPF40**  
Transom Patch



**CPF41R**  
Transom Patch



**CPF41L**  
Transom Patch

**GLASS FABRICATION REQUIRED:**

One 3/4" (19 mm) Diameter Hole and Corner Notch

**COMES WITH:**

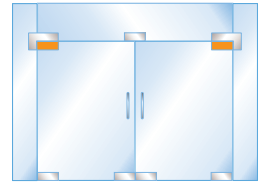
Template and Instructions

CAT. NO.	FINISH
<b>CPF20ABS</b>	Brushed Stainless
<b>CPF20APS</b>	Polished Stainless

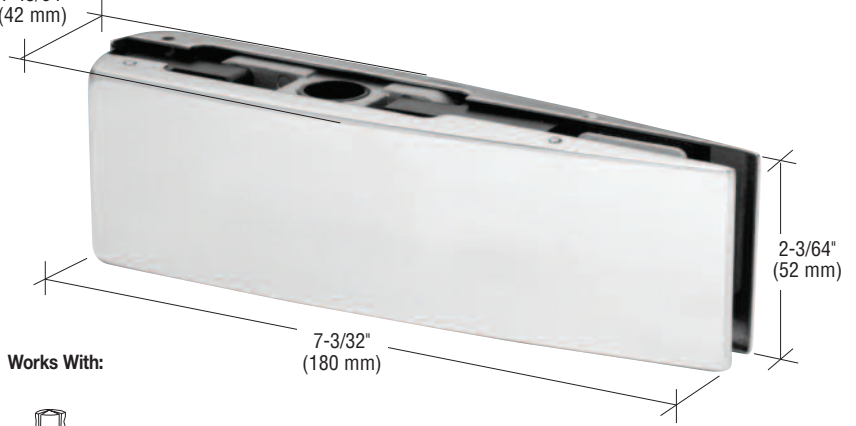
Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.



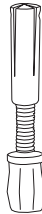
**1NT303** Insert  
(Included)



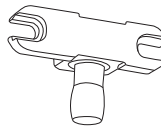
1-43/64"  
(42 mm)



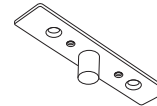
Works With:



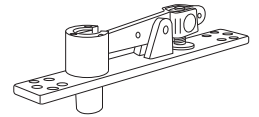
**1NT405**  
Threaded Top Pivot



**1NT300**  
Top Pivot Insert



**1NT401**  
Surface Mounted Top Pivot



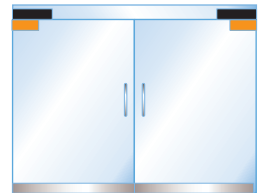
**CRL9040WBP**  
Walking Beam Pivot

## CRL Curved Top Door Patch Fitting (For Overhead Concealed Door Closers)

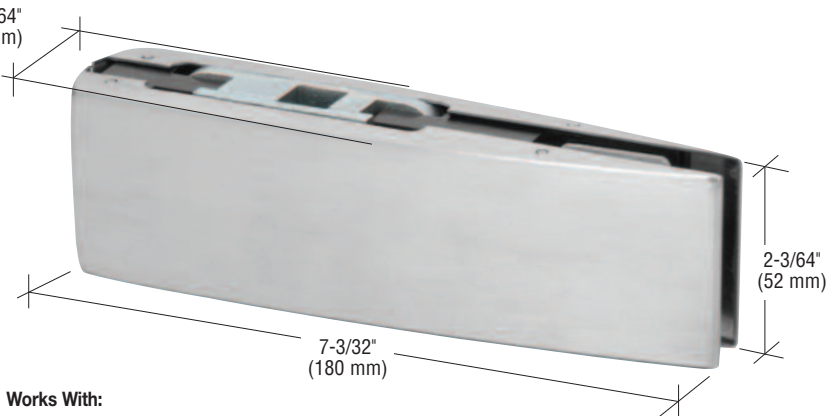
- 2-11/16" (68 mm) Pivot Setback
- For 3/8" or 1/2" (10 or 12 mm) Glass



**1NT304** Insert  
(Included)



1-43/64"  
(42 mm)



Works With:



North American Pivot Setback  
2-3/4" (70 mm) Concealed  
Overhead Door Closers With  
9/16" (14.3 mm) Square Spindle

**IMPORTANT NOTE:**

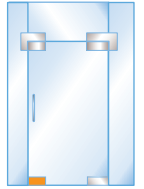
Door Closer needs to be adjusted back 1/16" (1.6 mm) to achieve 2-11/16" (68 mm) pivot setback to work with this patch fitting.

CAT. NO.	FINISH
<b>CPF20BBS</b>	Brushed Stainless
<b>CPF20BPS</b>	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

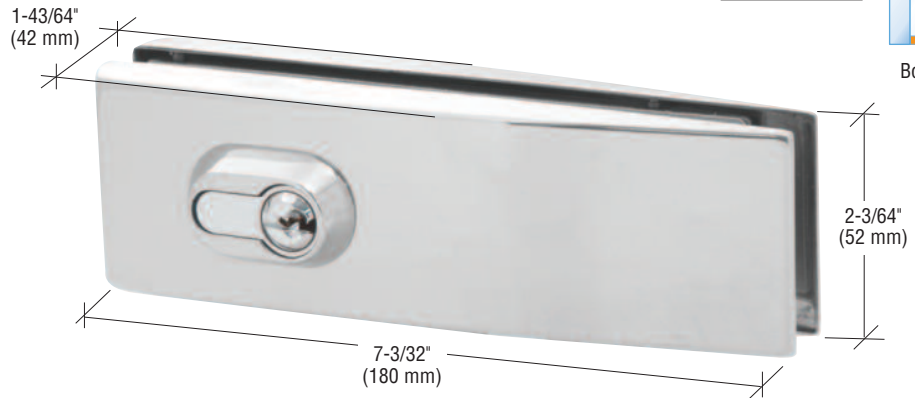


## CRL Curved European Style Patch Lock



Bottom Mount

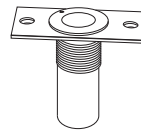
- Bottom Load Cylinders
- For 3/8" or 1/2" (10 or 12 mm) Glass



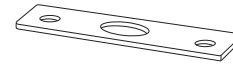
**GLASS FABRICATION REQUIRED:**  
Bottom Mount: One Corner Notch

**COMES WITH:**  
Template and Instructions

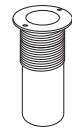
**Works With:**



**AMR208 or AMR209**  
Dustproof Keeper With Mounting Plate



**777SP**  
Strike Plate



**AMR207**  
Dustproof Keeper

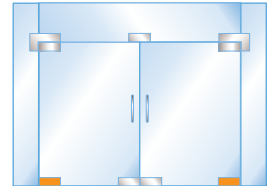
CAT. NO.	FINISH
<b>CPL205BS</b>	Brushed Stainless
<b>CPL205PS</b>	Polished Stainless

Minimum order: 1 each. All Patch Locks can be combined for quantity pricing.

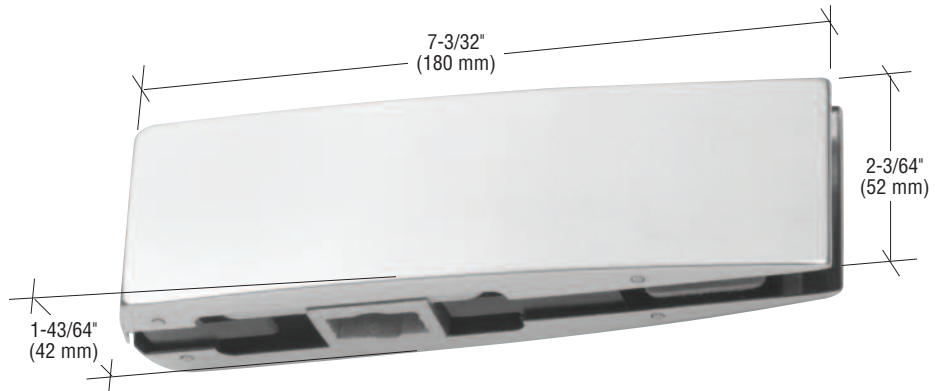
## CRL Curved Bottom Door Patch Fitting



**1NT301** Insert  
(Included)



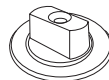
- 2-11/16" (68 mm) Pivot Setback
- For 3/8" or 1/2" (10 or 12 mm) Glass



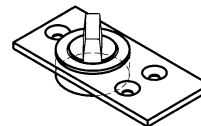
**GLASS FABRICATION REQUIRED:**  
One 3/4" (19 mm) Diameter Hole and Corner Notch

**COMES WITH:**  
Template and Instructions

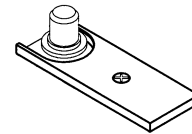
**Works With:**



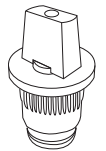
**CRL8300, CRL8400, and CRL8500 Series**  
Floor Closers



**1NT402**  
Bottom Free-Swinging Pivot



**1NT403**  
Adjustable Bottom Free-Swinging Pivot



**1NT406**  
Adjustable Bottom Free-Swinging Pivot

**IMPORTANT NOTE:**  
Bottom Pivots or Floor Closer must be set to 2-11/16" (68 mm) setback to work with this patch fitting.

CAT. NO.	FINISH
<b>CPF10CBS</b>	Brushed Stainless
<b>CPF10CPS</b>	Polished Stainless

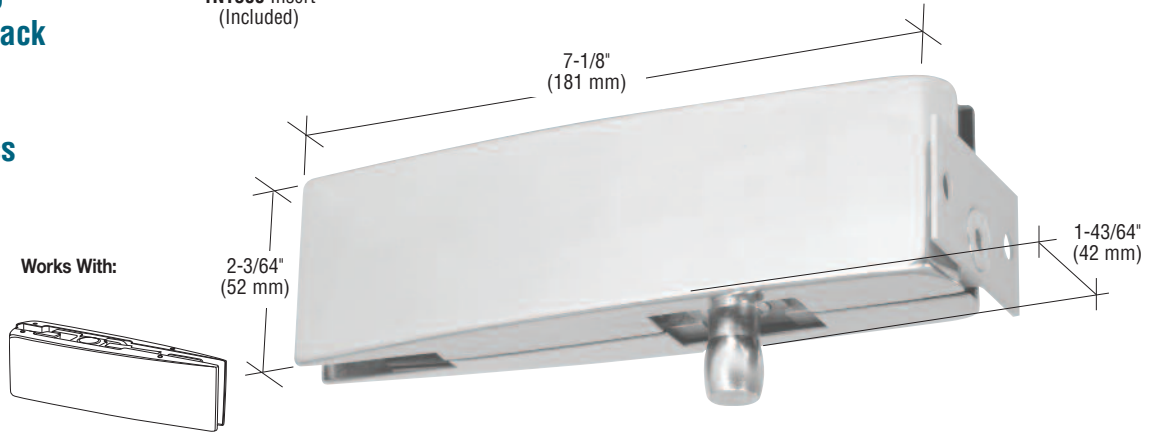
Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

## CRL Curved Wall Mounted Transom Patch Fitting

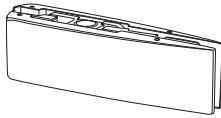
- Works With 2-11/16" (68 mm) Pivot Setback Door Patch Fittings
- For 3/8" or 1/2" (10 or 12 mm) Glass



1NT300 Insert (Included)



Works With:



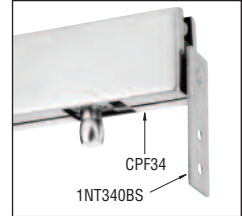
CPF20A Top Door Patches



1NT306 Stop Insert

### Optional Mounting Bracket:

Replaces standard Wall Mounting Plate and is concealed on hinge side when door is installed.



CAT. NO. 1NT340BS

### GLASS FABRICATION REQUIRED:

One 3/4" (19 mm) Diameter Hole and Corner Notch

### COME WITH:

Template and Instructions

CAT. NO.	FINISH
CPF34BS	Brushed Stainless
CPF34PS	Polished Stainless

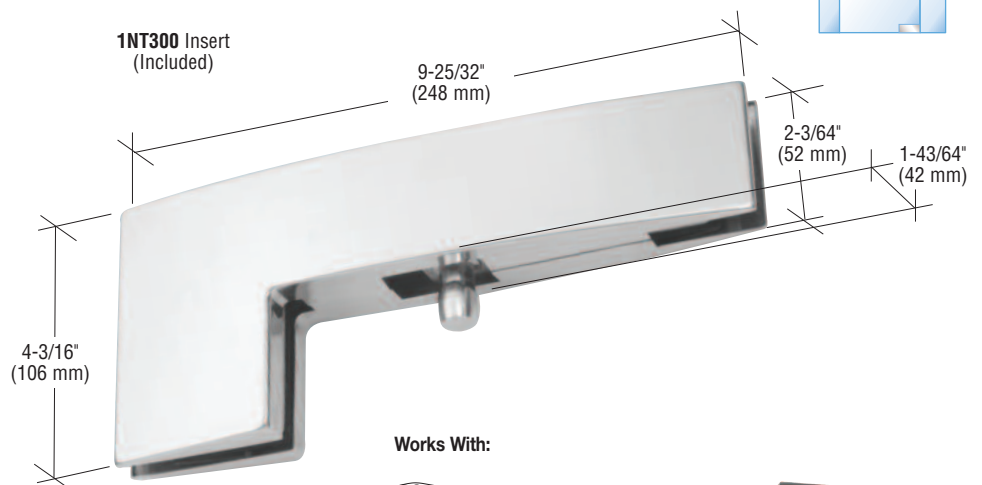
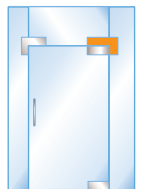
Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

## CRL Curved Sidelite Mounted Transom Patch Fitting

- Works With 2-11/16" (68 mm) Pivot Setback Door Patch Fittings
- For 3/8" or 1/2" (10 or 12 mm) Glass



1NT300 Insert (Included)



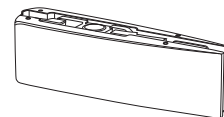
### GLASS FABRICATION REQUIRED:

Three 3/4" (19 mm) Diameter Holes and Corner Notch

### COMES WITH:

Template and Instructions

Works With:



CPF20A Top Door Patches



1NT306 Stop Insert

CAT. NO.	FINISH
CPF40BS	Brushed Stainless
CPF40PS	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

## CRL Curved Sidelite Mounted Transom Patch Fitting With Support Fin Bracket

- Works With 2-11/16" (68 mm) Pivot Setback Door Patch Fittings
- For 3/8" or 1/2" (10 or 12 mm) Glass
- Left and Right Handed



1NT300 Insert (Included)

### GLASS FABRICATION REQUIRED:

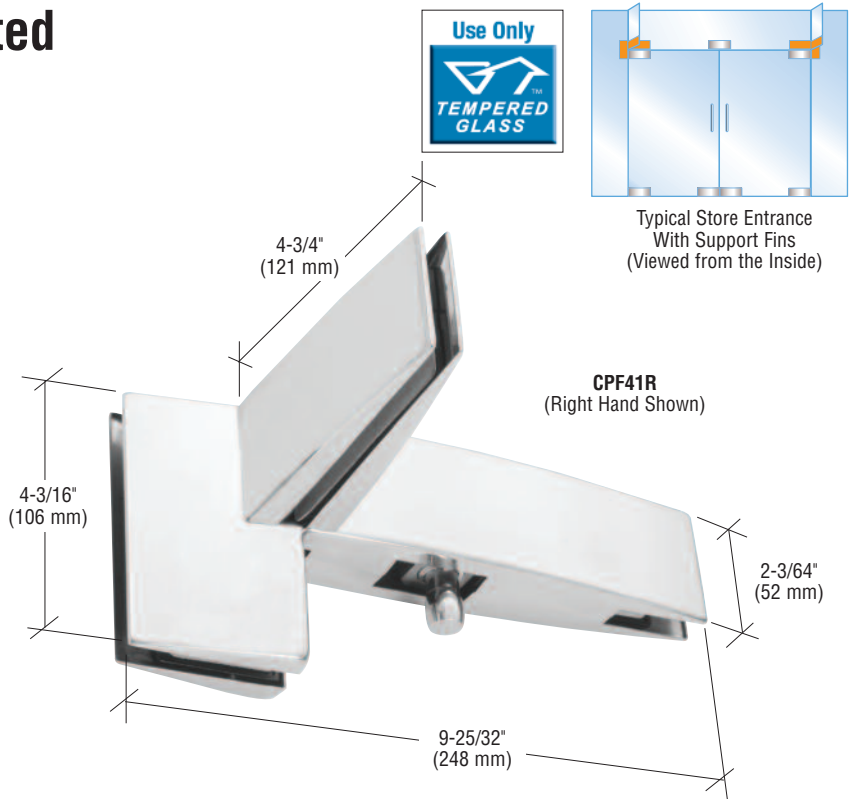
Five 3/4" (19 mm) Diameter Holes and Two Corner Notches

### COMES WITH:

Template and Instructions

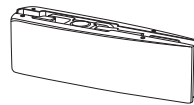
CAT. NO.	HANDING	FINISH
CPF41RBS	Right	Brushed Stainless
CPF41RPS	Right	Polished Stainless
CPF41LBS	Left	Brushed Stainless
CPF41LPS	Left	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.



CPF41R (Right Hand Shown)

Works With:



CPF20A Top Door Patches



PH94 Ceiling Mounted Support Fin Bracket



1NT306 Stop Insert

## CRL Overhead Concealed Door Closers for Patch Fittings

- Extended 3/4" (19 mm) Long Spindle for Patch Fittings
- See Our Overhead Concealed Door Closers for Patch Fittings on Page Z685
- UL Listed



### Extended Length Spindle

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





## CRL Offset Top Door Patch Fitting

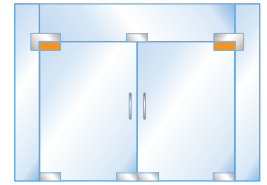
- For 3/8" or 1/2" (10 or 12 mm) Glass
- Allows for 180 Degree Door Swing
- Left and Right Handed
- Also Works With CRL 3/4" (19 mm) Offset Arm Bottom Door Rails With No Alterations

### GLASS FABRICATION REQUIRED:

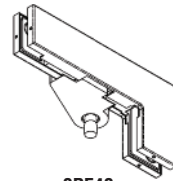
One 3/4" (19 mm) Diameter Hole and Corner Notch

### COMES WITH:

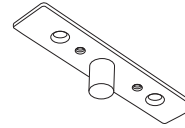
Template and Instructions



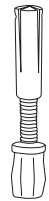
### Works With:



**OPF40**  
Offset Transom Patch



**1NT401**  
Surface Mounted Top Pivot



**1NT405**  
Threaded Top Pivot

CAT. NO.	HANDING	FINISH
OPF20RBS	RH/LHR	Brushed Stainless
OPF20RPS	RH/LHR	Polished Stainless
OPF20LBS	LH/RHR	Brushed Stainless
OPF20LPS	LH/RHR	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

## CRL Offset Sidelite Mounted Transom Patch Fitting

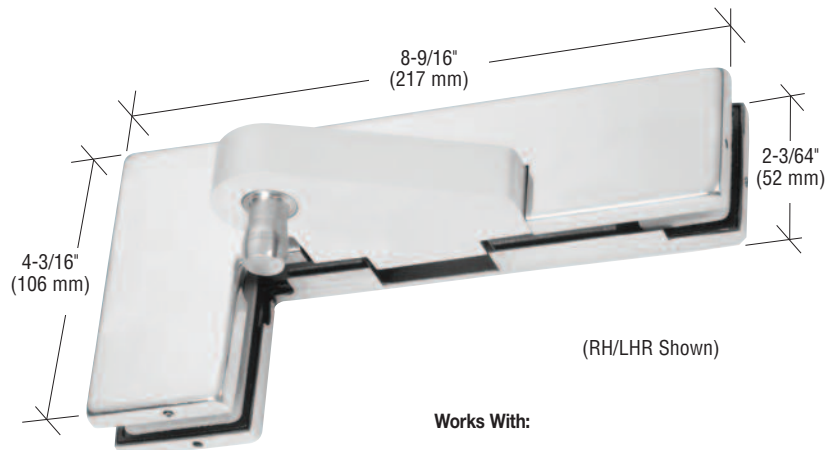
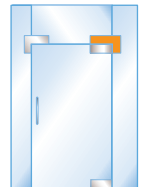
- For 3/8" or 1/2" (10 or 12 mm) Glass
- Allows for 180 Degree Door Swing
- Left and Right Handed
- Also Works With CRL 3/4" (19 mm) Offset Arm Bottom Door Rails With No Alterations

### GLASS FABRICATION REQUIRED:

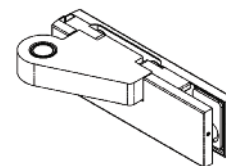
Three 3/4" (19 mm) Diameter Holes and Corner Notch

### COMES WITH:

Template and Instructions



### Works With:



**OPF20R and OPF20L**  
Top Door Patches

CAT. NO.	HANDING	FINISH
OPF40RBS	RH/LHR	Brushed Stainless
OPF40RPS	RH/LHR	Polished Stainless
OPF40LBS	LH/RHR	Brushed Stainless
OPF40LPS	LH/RHR	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

## CRL Offset Bottom Door Patch Fitting

- Allows for 180 Degree Door Swing
- For 3/8" or 1/2" (10 or 12 mm) Glass
- Left and Right Handed

### GLASS FABRICATION REQUIRED:

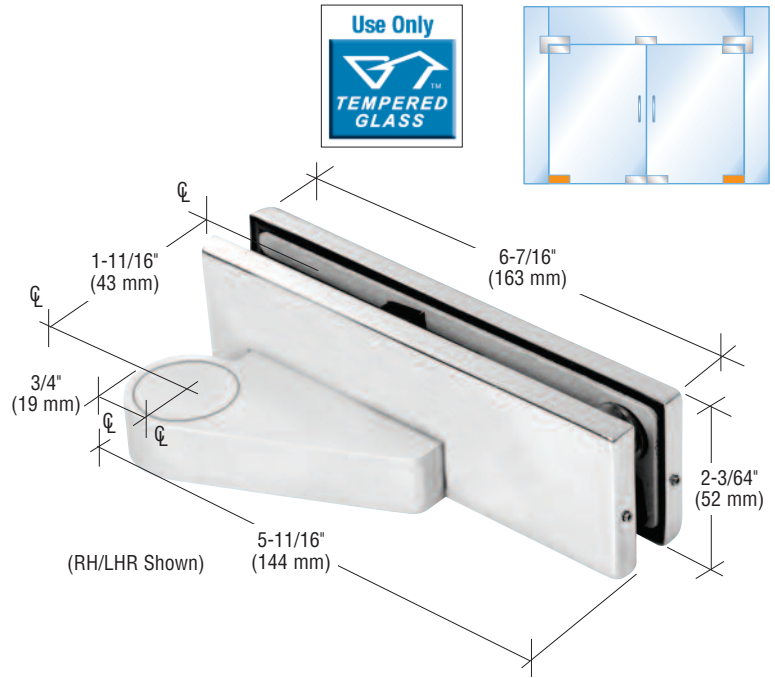
One 3/4" (19 mm) Diameter Hole and Corner Notch

### COMES WITH:

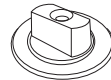
Template and Instructions



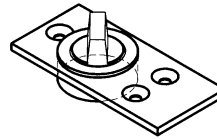
Bottom View Shown



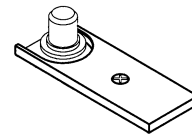
### Works With:



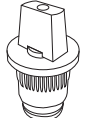
CRL8300, CRL8400, and CRL8500 Series Floor Closers



1NT402 Bottom Free-Swinging Pivot



1NT403 Adjustable Bottom Free-Swinging Pivot



1NT406 Adjustable Bottom Free-Swinging Pivot

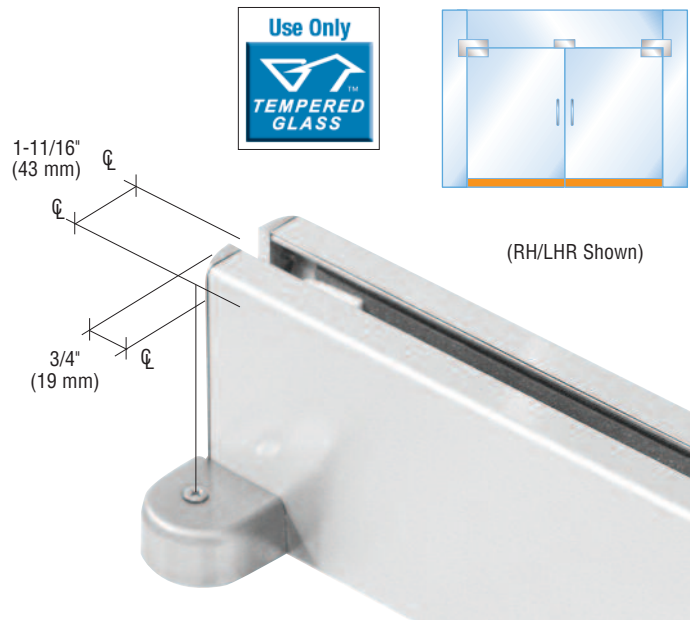
CAT. NO.	HANDING	FINISH
OPF10RBS	RH/LHR	Brushed Stainless
OPF10RPS	RH/LHR	Polished Stainless
OPF10LBS	LH/RHR	Brushed Stainless
OPF10LPS	LH/RHR	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

## CRL Bottom Door Rails With 3/4" Offset Arm

- Four Different Configurations in Various Sizes and Finishes
- Allows for 180 Degree Door Swing
- For 3/8" or 1/2" (10 or 12 mm) Glass
- Compatible With CRL Offset Top Door Patch Fitting With No Alterations

**Ordering Information:** All Offset Rails are fabricated to meet your needs. Door Rail configuration, size, handing, and finish are required for fabrication. 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. 7700. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



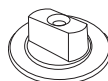
### INCLUDES:

Door Rail with End Caps; 3/4" (19 mm) Offset Arm and Cover Plates in the Finish of Your Choice: Brushed Stainless Steel or Polished Stainless Steel

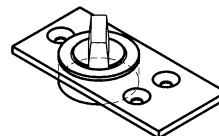
### GLASS FABRICATION:

Our Door Rails Do Not Require Glass Fabrication

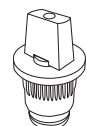
### Works With:



CRL8300, CRL8400, and CRL8500 Series Floor Closers



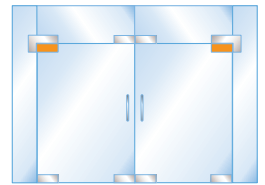
1NT402 Bottom Free-Swinging Pivot



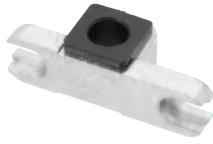
1NT406 Adjustable Bottom Free-Swinging Pivot

## CRL North American Top Door Patch Fitting

- 2-3/4" (70 mm) Pivot Setback
- For 3/8" or 1/2" (10 or 12 mm) Glass



**1NT303** Insert  
(Included)



**1NT303R** Insert  
(order separately) for Rixson 340  
Center Hung Walking Beam Pivot  
1/2" (12.7 mm) Pin



### GLASS FABRICATION REQUIRED:

One 3/4" (19 mm) Diameter Hole and Corner Notch

### COMES WITH:

Template and Instructions

### Do Not Use With:

PH42L, PH42R, PH43L or PH43R  
Transom Patch Fittings. They Require  
European Door Patch Fitting PH21A.

### For Use With:



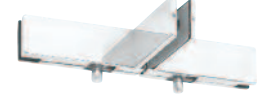
**PH34**  
Wall Mounted  
Transom Patch



**PH40**  
Sidelite  
Transom Patch

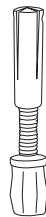


**PH41L**  
Sidelite  
Transom Patch

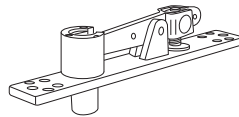


**PH51**  
Double  
Transom Patch

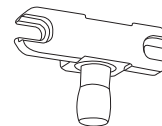
### Works With:



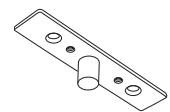
**1NT405**  
Threaded Top Pivot



**CRL9040WBP**  
Walking Beam Pivot



**1NT300**  
Top Pivot Insert



**1NT401**  
Surface Mounted Top Pivot

### COMPLETE TOP DOOR PATCH FITTING

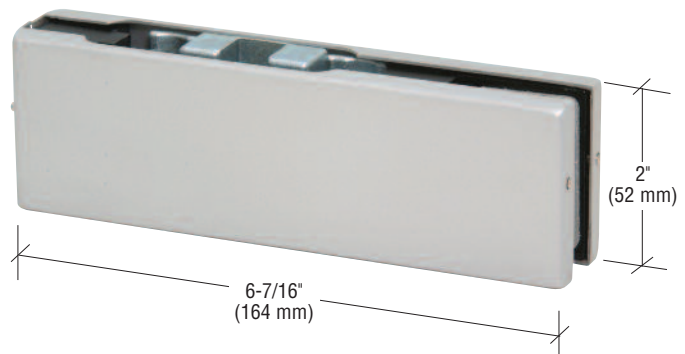
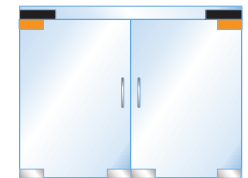
CAT. NO.	FINISH
<b>PH20AA</b>	Satin Anodized
<b>PH20ADU</b>	Black Bronze Anodized
<b>PH20ABR</b>	Polished Brass
<b>PH20ABS</b>	Brushed Stainless
<b>PH20APS</b>	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.  
For Replacement Cover Plates, see page Z602.

## CRL Adjustable North American Top Door Patch Fitting

- Adjustable Pivot Insert Allows Three Degrees Movement for Proper Door Alignment
- 2-3/4" (70 mm) Pivot Setback
- For 3/8" or 1/2" (10 or 12 mm) Glass

**new**



### Works With:



North American Pivot Setback  
2-3/4" (70 mm) Concealed Overhead  
Door Closers With 9/16" (14.3 mm)  
Square Spindle

### Do Not Use With:

European 2-9/16" (65 mm) Pivot Setback  
Overhead Concealed Door Closers.  
They Require European Door  
Patch Fitting PH21C.

### GLASS FABRICATION REQUIRED:

One 3/4" (19 mm) Diameter  
Hole and Corner Notch

### COMES WITH:

Template and Instructions

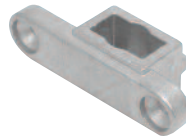
CAT. NO.	FINISH
<b>PH20CA</b>	Satin Anodized
<b>PH20CDU</b>	Black Bronze Anodized
<b>PH20CBR</b>	Polished Brass
<b>PH20CBS</b>	Brushed Stainless
<b>PH20CPS</b>	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.  
For Replacement Cover Plates, see page Z602.

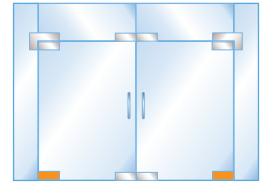


## CRL North American Bottom Door Patch Fitting

- 2-3/4" (70 mm) Pivot Setback
- For 3/8" or 1/2" (10 or 12 mm) Glass



1NT301 Insert  
(Included)

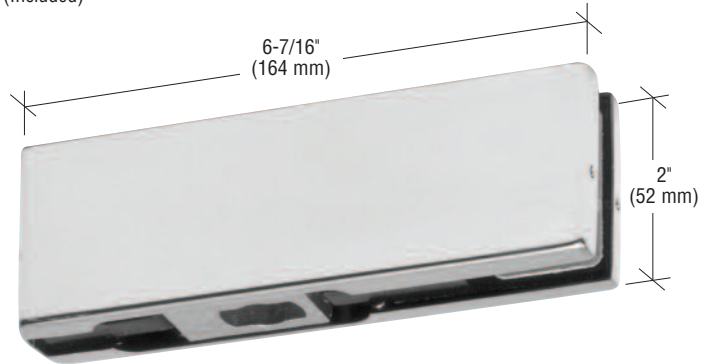


### GLASS FABRICATION REQUIRED:

One 3/4" (19 mm) Diameter Hole and Corner Notch

### COMES WITH:

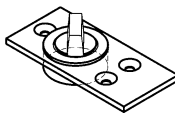
Template and Instructions



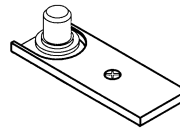
### Works With:

CAT. NO.	FINISH
PH10CA	Satin Anodized
PH10CDU	Black Bronze Anodized
PH10CBR	Polished Brass
PH10CBS	Brushed Stainless
PH10CPS	Polished Stainless

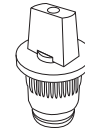
Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing. For Replacement Cover Plates, see page Z602.



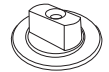
1NT402  
Bottom  
Free-Swinging Pivot



1NT403  
Adjustable Bottom  
Free-Swinging Pivot



1NT406  
Adjustable Bottom  
Free-Swinging Pivot



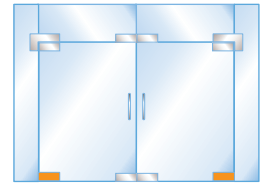
CRL8300, CRL8400,  
and CRL8500 Series  
Floor Closers

## CRL North American Bottom Door Patch Fitting

- 2-3/4" (70 mm) Pivot Setback
- For 3/8" or 1/2" (10 or 12 mm) Glass



1NT302 Insert  
(Included)

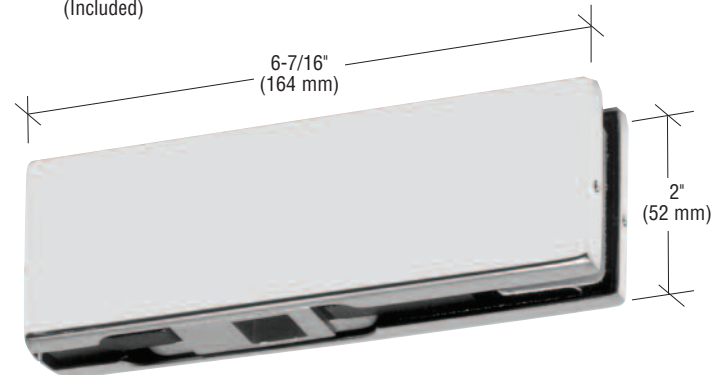


### GLASS FABRICATION REQUIRED:

One 3/4" (19 mm) Diameter Hole and Corner Notch

### COMES WITH:

Template and Instructions



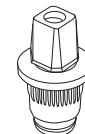
### Works With:

CAT. NO.	FINISH
PH10DA	Satin Anodized
PH10DDU	Black Bronze Anodized
PH10DBR	Polished Brass
PH10DBS	Brushed Stainless
PH10DPS	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing. For Replacement Cover Plates, see page Z602.



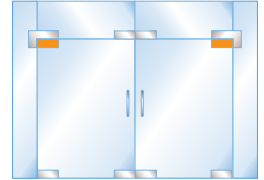
Floor Closers With Casma  
(Speedy) Tapered  
Square Spindle



1NT404  
Adjustable Bottom  
Free-Swinging Pivot

## CRL European Top Door Patch Fitting

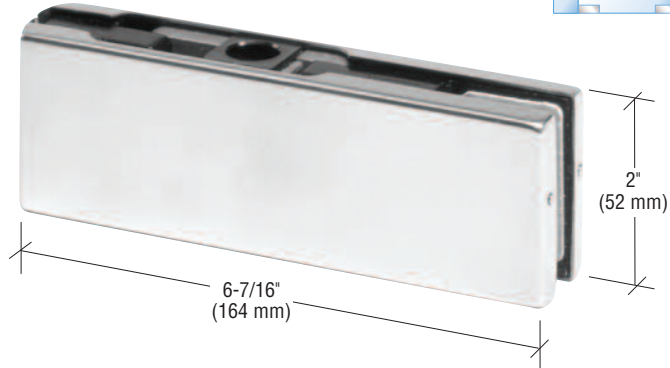
- 2-9/16" (65 mm) Pivot Setback
- For 3/8" or 1/2" (10 or 12 mm) Glass



**1NT303** Insert  
(Included)



**1NT303R** Insert  
(order separately) for Rixon 340  
Center Hung Walking Beam Pivot  
1/2" (12.7 mm) Pin



### GLASS FABRICATION REQUIRED:

One 3/4" (19 mm) Diameter Hole and Corner Notch

### COMES WITH:

Template and Instructions

### For Use With:



**PH40**  
Transom Patch



**PH34**  
Transom Patch



**PH41L**  
Transom Patch



**PH42**  
Transom Patch

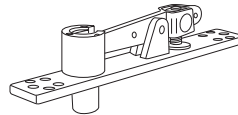


**PH51**  
Transom Patch

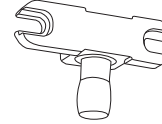
### Works With:



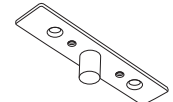
**1NT405**  
Threaded Top Pivot



**CRL9040WBP**  
Walking Beam Pivot



**1NT300**  
Top Pivot Insert



**1NT401**  
Surface Mounted Top Pivot

CAT. NO.	FINISH
<b>PH21AA</b>	Satin Anodized
<b>PH21ABR</b>	Polished Brass
<b>PH21ABS</b>	Brushed Stainless
<b>PH21APS</b>	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing. For Replacement Cover Plates, see page Z602.

## CRL Adjustable European Top Door Patch Fitting

- Adjustable Pivot Insert Allows Three Degrees Movement for Proper Door Alignment
- 2-9/16" (65 mm) Pivot Setback
- For 3/8" or 1/2" (10 or 12 mm) Glass



### GLASS FABRICATION REQUIRED:

One 3/4" (19 mm) Diameter Hole and Corner Notch

### COMES WITH:

Template and Instructions

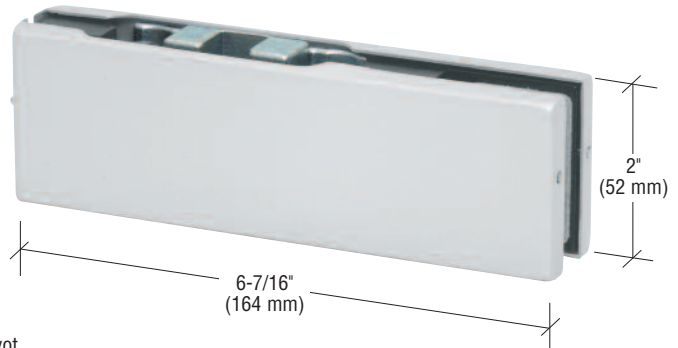
CAT. NO.	FINISH
<b>PH21CA</b>	Satin Anodized
<b>PH21CDU</b>	Black Bronze Anodized
<b>PH21CBR</b>	Polished Brass
<b>PH21CBS</b>	Brushed Stainless
<b>PH21CPS</b>	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing. For Replacement Cover Plates, see page Z602.

### Works With:



European 2-9/16" (65 mm) Pivot Setback Overhead Concealed Door Closers With 9/16" (14.3 mm) Square Spindle



## CRL European Bottom Door Patch Fitting

- 2-9/16" (65 mm) Pivot Setback
- For 3/8" or 1/2" (10 or 12 mm) Glass

### GLASS FABRICATION REQUIRED:

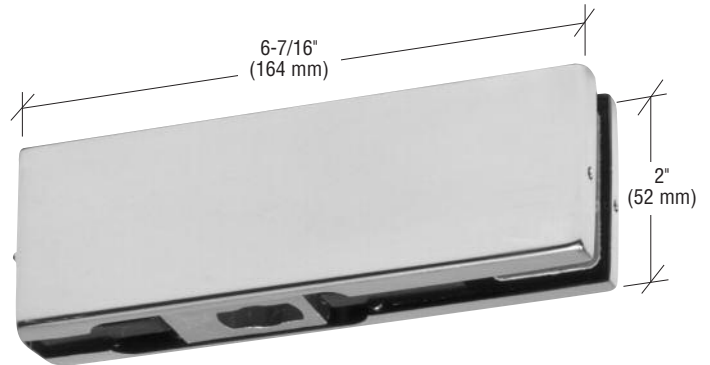
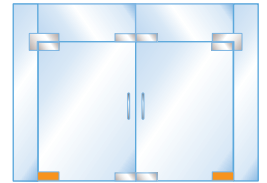
One 3/4" (19 mm) Diameter Hole and Corner Notch

### COMES WITH:

Template and Instructions



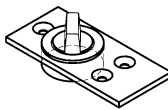
1NT301 Insert (Included)



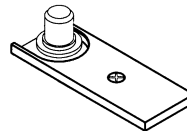
### Works With:

CAT. NO.	FINISH
PH11CA	Satin Anodized
PH11CBR	Polished Brass
PH11CBS	Brushed Stainless
PH11CPS	Polished Stainless

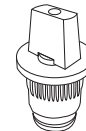
Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing. For Replacement Cover Plates, see page Z602.



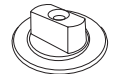
1NT402 Bottom Free-Swinging Pivot



1NT403 Adjustable Bottom Free-Swinging Pivot



1NT406 Adjustable Bottom Free-Swinging Pivot



CRL8300, CRL8400, and CRL8500 Series Floor Closers

## CRL European Bottom Door Patch Fitting

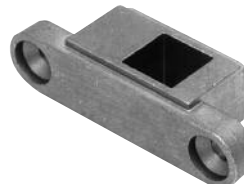
- 2-9/16" (65 mm) Pivot Setback
- For 3/8" or 1/2" (10 or 12 mm) Glass

### GLASS FABRICATION REQUIRED:

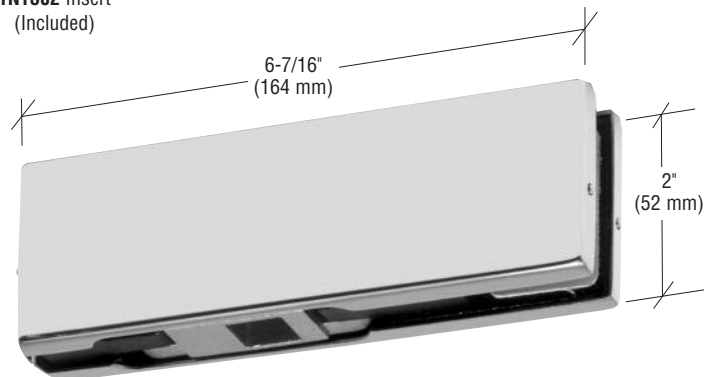
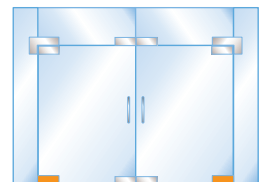
One 3/4" (19 mm) Diameter Hole and Corner Notch

### COMES WITH:

Template and Instructions



1NT302 Insert (Included)



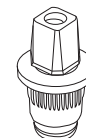
### Works With:

CAT. NO.	FINISH
PH11DA	Satin Anodized
PH11DBR	Polished Brass
PH11DBS	Brushed Stainless
PH11DPS	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing. For Replacement Cover Plates, see page Z602.



Floor Closers With Casma (Speedy) Tapered Square Spindle

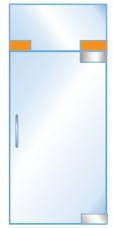


1NT404 Adjustable Bottom Free-Swinging Pivot



## CRL Wall Mounted Transom Patch Fitting

- Works With Both 2-3/4" (70 mm) and 2-9/16" (65 mm) Pivot Setback Door Patch Fittings
- For 3/8" or 1/2" (10 or 12 mm) Glass



1NT300 Insert  
(Included)

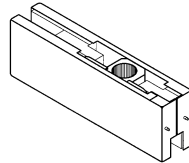
Works With:



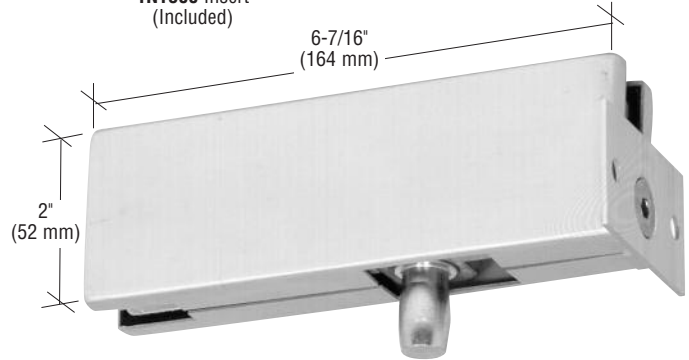
1NT306  
Stop Insert



AMR305  
Keeper Insert



PH20A or PH21A  
Top Door Patches



### GLASS FABRICATION REQUIRED:

One 3/4" (19 mm) Diameter Hole and Corner Notch

### COMES WITH:

Template and Instructions

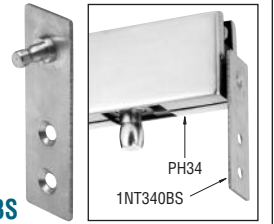
CAT. NO.	FINISH
PH34A	Satin Anodized
PH34DU	Black Bronze Anodized
PH34BR	Polished Brass
PH34BS	Brushed Stainless
PH34PS	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing. For Replacement Cover Plates, see page Z602.

### Optional Mounting Bracket:

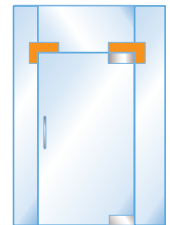
Replaces standard Wall Mounting Plate and is concealed on hinge side when door is installed.

CAT. NO. 1NT340BS



## CRL Sidelite Mounted Transom Patch Fitting

- Works With Both 2-3/4" (70 mm) and 2-9/16" (65 mm) Pivot Setback Door Patch Fittings
- For 3/8" or 1/2" (10 or 12 mm) Glass



1NT300 Insert  
(Included)

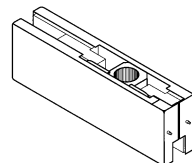
Works With:



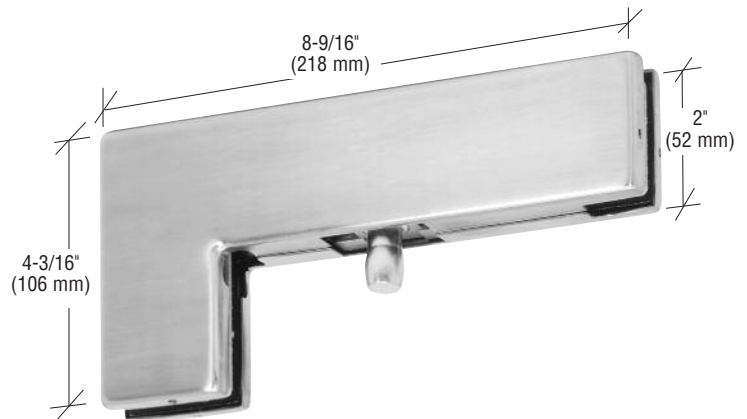
1NT306  
Stop Insert



AMR305  
Keeper Insert



PH20A or PH21A  
Top Door Patches



### GLASS FABRICATION REQUIRED:

Three 3/4" (19 mm) Diameter Holes and Corner Notch

### COMES WITH:

Template and Instructions

CAT. NO.	FINISH
PH40A	Satin Anodized
PH40DU	Black Bronze Anodized
PH40BR	Polished Brass
PH40BS	Brushed Stainless
PH40PS	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing. For Replacement Cover Plates, see page Z602.

## CRL Sidelite Mounted Transom Patch With Support Fin Bracket

- Works With Both 2-3/4" (70 mm) and 2-9/16" (65 mm) Pivot Setback Door Patch Fittings
- For 3/8" or 1/2" (10 or 12 mm) Glass
- Left and Right Handed

### GLASS FABRICATION REQUIRED:

Five 3/4" (19 mm) Diameter Holes and Two Corner Notches

### COMES WITH:

Template and Instructions

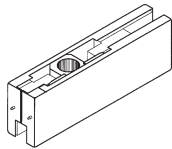
### Works With:



**AMR305**  
Keeper Insert



**1NT306**  
Stop Insert



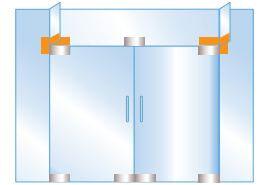
**PH20A and PH21A**  
Top Door Patches



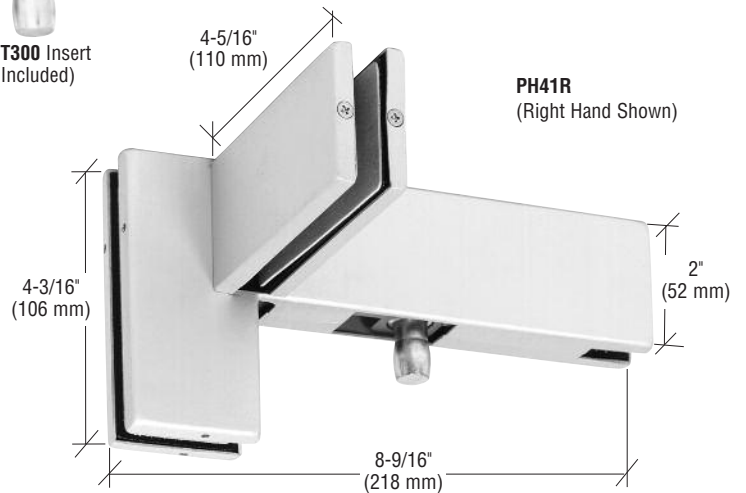
**PH94**  
Ceiling Mounted  
Support Fin Bracket



**1NT300** Insert  
(Included)



Typical Store Entrance  
With Support Fins  
(Viewed from the Inside)



**PH41R**  
(Right Hand Shown)

CAT. NO.	HANDING	FINISH	HANDING	CAT. NO.
<b>PH41LA</b>	Left	Satin Anodized	Right	<b>PH41RA</b>
<b>PH41LDU</b>	Left	Black Bronze Anodized	Right	<b>PH41RDU</b>
<b>PH41LBR</b>	Left	Polished Brass	Right	<b>PH41RBR</b>
<b>PH41LBS</b>	Left	Brushed Stainless	Right	<b>PH41RBS</b>
<b>PH41LPS</b>	Left	Polished Stainless	Right	<b>PH41RPS</b>

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

## CRL Floating Headers for 'All-Glass' Entrances

- Models With or Without Stabilizer Fin Brackets
- Available in Glass-to-Glass or Glass-to-Wall Installations
- Offered With or Without Overhead Concealed Door Closers
- See Our Complete Floating Header Selection on Pages Z460 to Z461



Floating Header With Fin Brackets



Floating Header Without Fin Brackets

## CRL 90 Degree Sidelite Mounted Transom Patch Fitting

- Works With 2-9/16" (65 mm) Pivot Setback Door Patch Fittings
- For 3/8" and 1/2" (10 and 12 mm) Glass
- Left and Right Handed

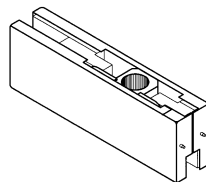
### GLASS FABRICATION REQUIRED:

Three 3/4" (19 mm) Diameter Holes and One Corner Notch; Door and Panels Flat Polished; No Miters Required.

### COMES WITH:

Template and Instructions

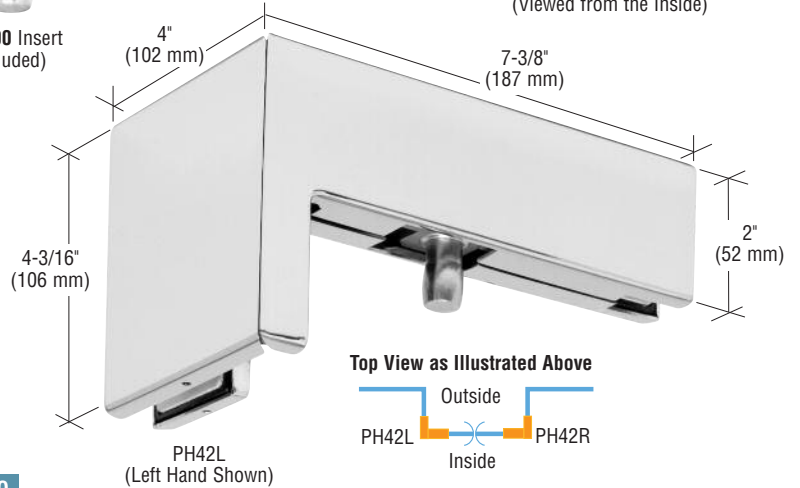
Works With:



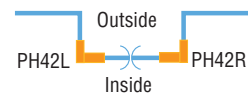
PH20A and PH21A  
Top Door Patch



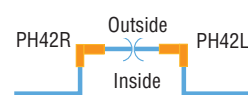
1NT300 Insert  
(Included)



Top View as Illustrated Above



Top View Opposite from Illustration Above



CAT. NO.	HANDING	FINISH	HANDING	CAT. NO.
PH42LA	Left	Satin Anodized	Right	PH42RA
PH42LBR	Left	Polished Brass	Right	PH42RBR
PH42LBS	Left	Brushed Stainless	Right	PH42RBS
PH42LPS	Left	Polished Stainless	Right	PH42RPS

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

## CRL 135 Degree Sidelite Mounted Transom Patch Fitting

- Works With 2-9/16" (65 mm) Pivot Setback Door Patch Fittings
- For 3/8" and 1/2" (10 and 12 mm) Glass
- Left and Right Handed

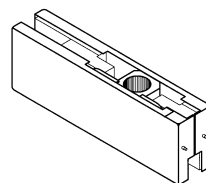
### GLASS FABRICATION REQUIRED:

Three 3/4" (19 mm) Diameter Holes and One Corner Notch; Door is Square Cut; Sidelite and Transom Require 22-1/2 Degree Miters.

### COMES WITH:

Template and Instructions

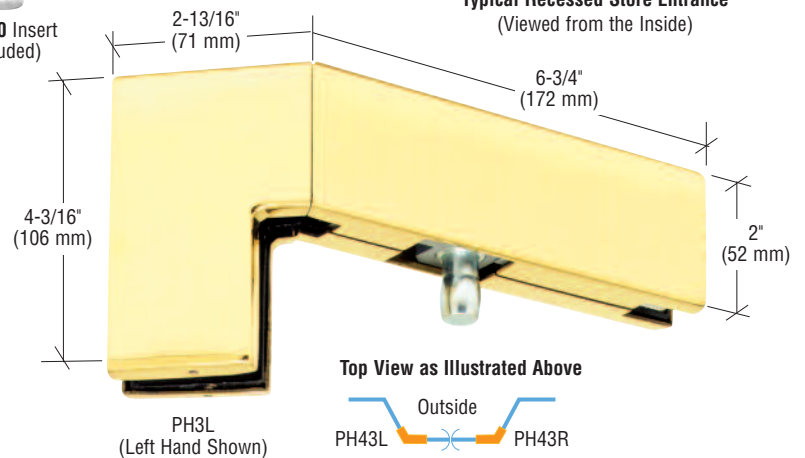
Works With:



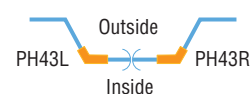
PH20A and PH21A  
Top Door Patch



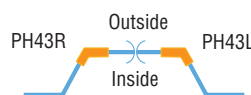
1NT300 Insert  
(Included)



Top View as Illustrated Above



Top View Opposite from Illustration Above



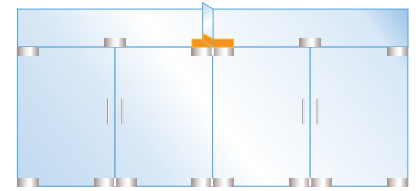
CAT. NO.	HANDING	FINISH	HANDING	CAT. NO.
PH43LA	Left	Satin Anodized	Right	PH43RA
PH43LBR	Left	Polished Brass	Right	PH43RBR
PH43LBS	Left	Brushed Stainless	Right	PH43RBS
PH43LPS	Left	Polished Stainless	Right	PH43RPS

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.



## CRL Double Transom Patch With Support Fin Bracket

- Works With Both 2-3/4" (70 mm) and 2-9/16" (65 mm) Pivot Setback Door Patch Fittings
- For 3/8" or 1/2" (10 or 12 mm) Glass

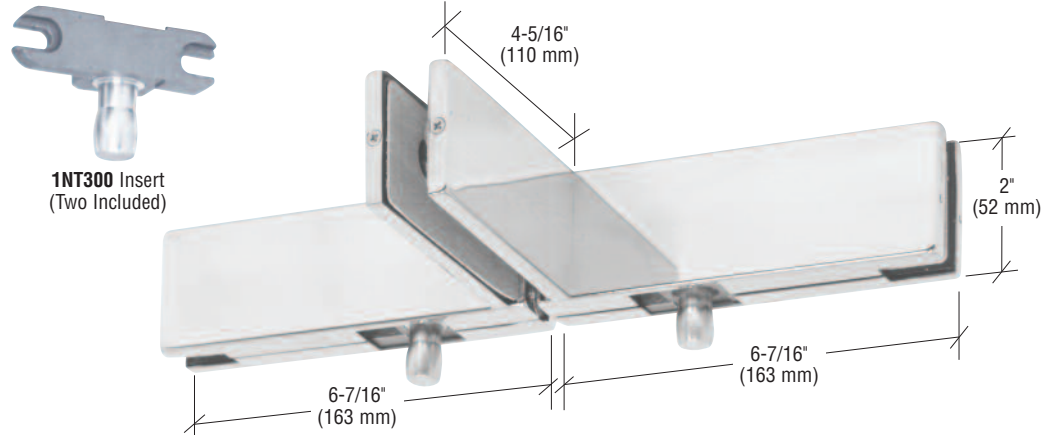


### GLASS FABRICATION REQUIRED:

For Split Transom (Two Lites of Glass):  
Four 3/4" (19 mm) Diameter Holes and Three Corner Notches;  
For Single Transom (One Lite of Glass):  
Four 3/4" (19 mm) Diameter Holes, One Corner Notch and One U-Shaped Cut-Out

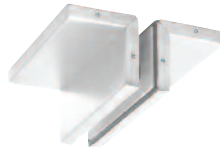
### COMES WITH:

Template and Instructions

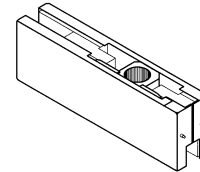


**1NT300** Insert  
(Two Included)

Works With:



**PH94**  
Support Fin Bracket



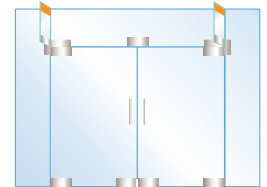
**PH20A or PH21A**  
Top Door Patches

CAT. NO.	FINISH
<b>PH51BR</b>	Polished Brass
<b>PH51BS</b>	Brushed Stainless
<b>PH51PS</b>	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

## CRL Ceiling Mounted Support Fin Bracket and Cover Plates

- For 3/8" or 1/2" (10 or 12 mm) Glass

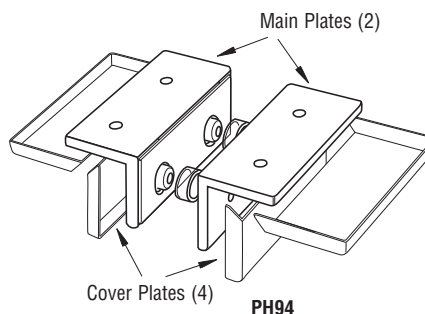
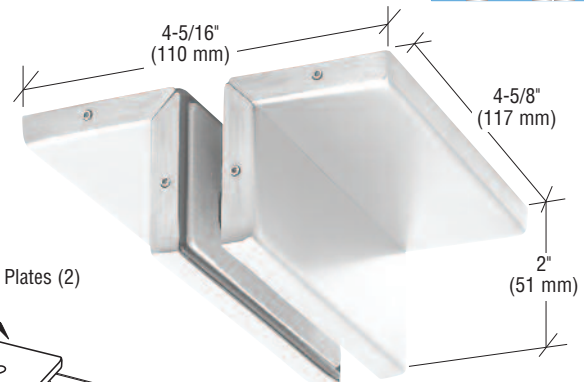


### GLASS FABRICATION REQUIRED:

Two 3/4" (19 mm) Diameter Holes

### COMES WITH:

Template and Instructions



**PH94**

The Ceiling Mounted Support Fin Bracket is used to secure glass support fins to the ceiling. The support fin glass should be sized to approved design criteria (refer to GANA or Manufacturer's Manual).

CAT. NO.	FINISH
<b>PH94A</b>	Satin Anodized
<b>PH94DU</b>	Black Bronze Anodized
<b>PH94BR</b>	Polished Brass
<b>PH94BS</b>	Brushed Stainless
<b>PH94PS</b>	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

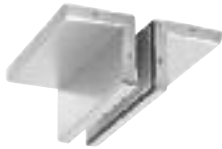
## CRL Transom Mounted Patch Connector With Support Fin Bracket

- For 3/8" or 1/2" (10 or 12 mm) Glass

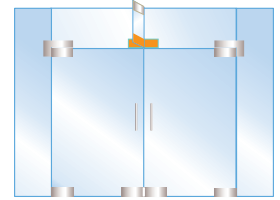
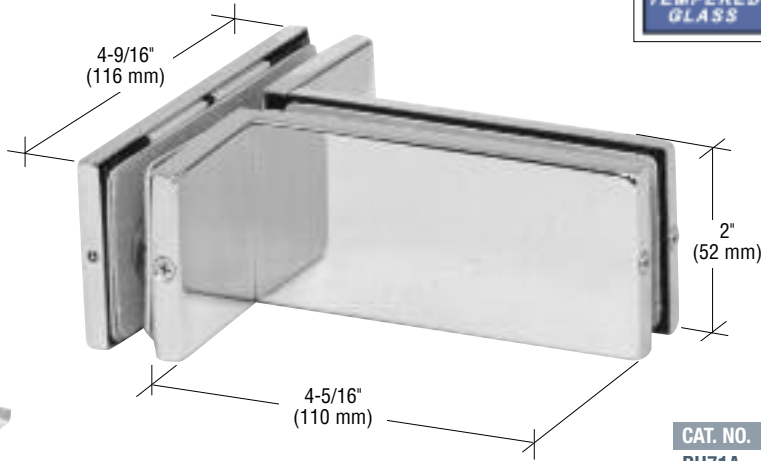
**GLASS FABRICATION REQUIRED:**  
Four 3/4" (19 mm) Diameter Holes

**COMES WITH:**  
Template and Instructions

Works With:



**PH94**  
Support Fin Bracket



CAT. NO.	FINISH
PH71A	Satin Anodized
PH71BR	Polished Brass
PH71BS	Brushed Stainless
PH71PS	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

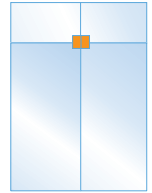
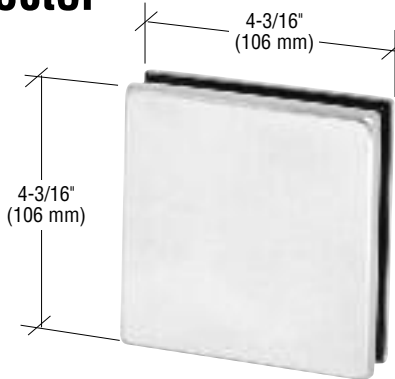
## CRL Four-Way Patch Connector

- For 3/8" or 1/2" (10 or 12 mm) Glass

**GLASS FABRICATION REQUIRED:**  
Four 3/4" (19 mm) Diameter Holes

**COMES WITH:**  
Template and Instructions

This Four-Way Patch Connector is used for joining a four lite glass junction. It should be pre-determined that the junction has enough structural strength, and does not require a support fin.



CAT. NO.	FINISH
PH80A	Satin Anodized
PH80BR	Polished Brass
PH80BS	Brushed Stainless
PH80PS	Polished Stainless

Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

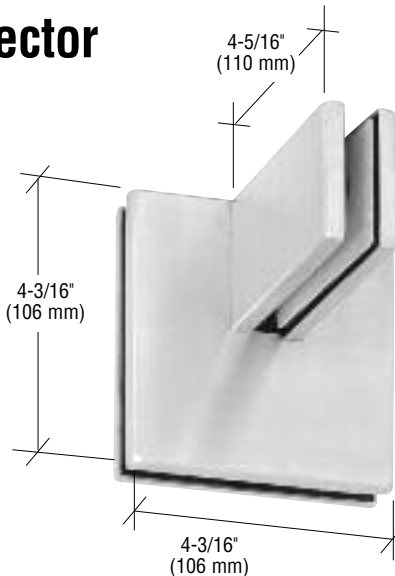
## CRL Four-Way Patch Connector With Support Fin Bracket

- For 3/8" or 1/2" (10 or 12 mm) Glass

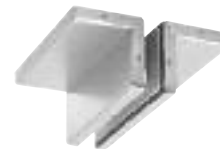
**GLASS FABRICATION REQUIRED:**  
Six 3/4" (19 mm) Diameter Holes and Corner Notch

**COMES WITH:**  
Template and Instructions

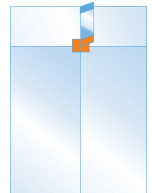
This Four-Way Patch Connector with Support Fin Bracket is used for joining a four lite glass junction that needs extra support to achieve the required structural strength. The support fin glass should be sized to approved criteria (refer to GANA or Manufacturer's Manual), and secured to the ceiling with a PH94 Ceiling Mounted Support Fin Bracket.



Works With:



**PH94**  
Support Fin Bracket



CAT. NO.	FINISH
PH81A	Satin Anodized
PH81BR	Polished Brass
PH81BS	Brushed Stainless
PH81PS	Polished Stainless

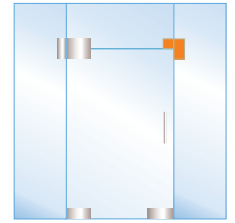
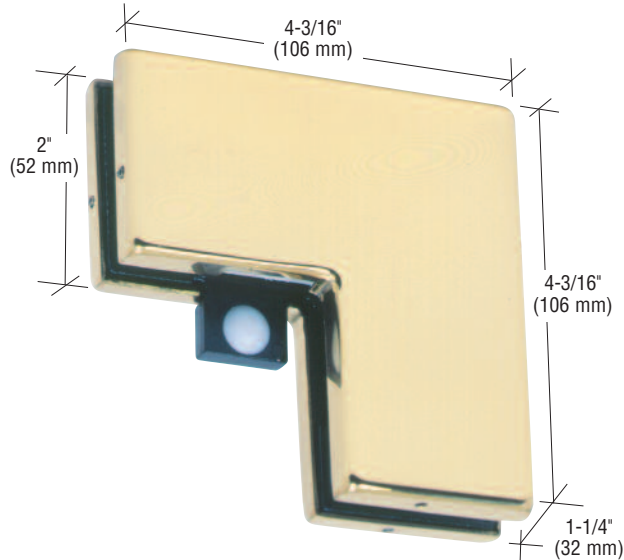
Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

## CRL Sidelite Mounted Transom Patch Connector With Reversible Door Stop

- For 3/8" or 1/2" (10 or 12 mm) Glass
- Doors Can Swing Either In or Out

**GLASS FABRICATION REQUIRED:**  
Three 3/4" (19 mm) Diameter Holes

**COMES WITH:**  
Template and Instructions



By simply turning the Reversible Door Stop around, you have the choice of making the door swing out or in. By removing the Reversible Door Stop, you will have a double acting door.

CAT. NO.	FINISH
PH60A	Satin Anodized
PH60BR	Polished Brass
PH60BS	Brushed Stainless
PH60PS	Polished Stainless

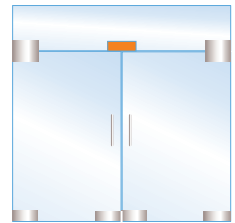
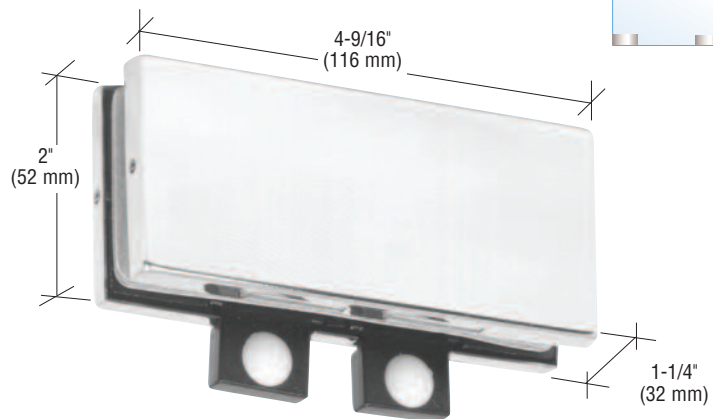
Minimum order: 1 each. All Patch Fittings can be combined for quantity pricing.

## CRL Transom Mounted Patch Connector With Two Reversible Door Stops

- For 3/8" or 1/2" (10 or 12 mm) Glass
- Doors Can Swing Either In or Out
- One Door Can Swing In and the Other Out

**GLASS FABRICATION REQUIRED:**  
Two 3/4" (19 mm) Diameter Holes

**COMES WITH:**  
Template and Instructions



Door Stops can be set for the doors to only open in or out. You can also make it so one door opens in and the other door opens out. The Connector can be used on one lite or two lite transoms, and with the stops removed can be used as a Connector only. When used as Connector only, it is suggested that you turn the fitting around so the notches in the Cover Plates face up, and are not visible.



## International Series Transom Patch Fittings

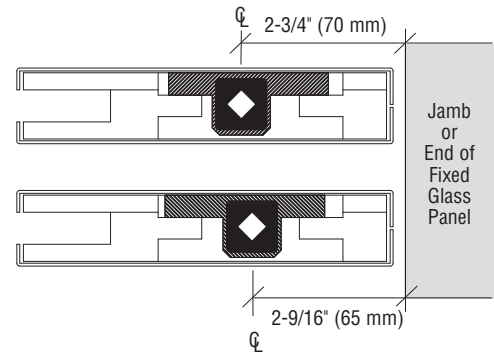
- PH34 Wall Mounted Transom Patch
- PH40 Sidelite Mounted Transom Patch
- PH41L Left Hand Sidelite Mounted Transom Patch with Support Fin
- PH41R Right Hand Sidelite Mounted Transom Patch with Support Fin
- PH42L Left Hand 90 Degree Sidelite Mounted Transom Patch
- PH42R Right Hand 90 Degree Sidelite Mounted Transom Patch
- PH43L Left Hand 135 Degree Sidelite Mounted Transom Patch
- PH43R Right Hand 135 Degree Sidelite Mounted Transom Patch
- PH51 Double Transom Patch with Support Fin

### American

PH20 Top or PH10 Bottom Door Patch Fitting Configuration

### European

PH21 Top or PH11 Bottom Door Patch Fitting Configuration



## CRL Transom Patch Top Pivot Insert

### INCLUDES:

- 1 Each: 1NT300 Top Pivot Insert;
- 2 Each: Hex Head Cap Screws for Attaching Insert to Transom Patch

### SPECIFICATIONS:

#### For Use With:

PH34, PH40, PH41L, PH41R, PH42L, PH42R, PH43L, PH43R, and PH51 Transom Patch Fittings

#### Connects To:

PH20A and PH21A Top Door Patch Fittings

### Important Information:

The 1NT300 Top Pivot Insert is reversible. When used with the International Series Transom Patch Fittings, it allows for the use of either PH20A American 2-3/4" (70 mm) Pivot Setback or PH21A European 2-9/16" (65 mm) Pivot Setback Top Door Patch Fittings by simply turning the Top Pivot Insert around in the Transom Patch Fitting.



This Top Pivot Insert is used in a variety of Transom Patch Fittings to provide a top pivoting pin to which the Top Door Patch Fitting connects.

CAT. NO.	DESCRIPTION
1NT300	Top Pivot Insert with Screws

Minimum order: 1 each. All Patch Inserts can be combined for quantity pricing.

## CRL Top Door Closer Patch Insert

### INCLUDES:

- 1 Each: 1NT304 Top Door Closer Patch Insert;
- 2 Each: Flat Head Hex Screws for Attaching Insert to the Top Door Patch

### SPECIFICATIONS:

#### For Use With:

PH20 and PH21 Top Door Patch Fittings

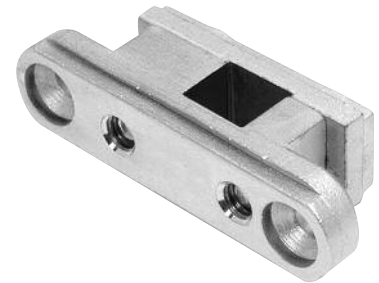
**NOTE:** Do not use with PH20C

#### Connects To:

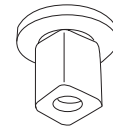
CRL, Jackson, International, and Many Other Concealed Overhead Door Closers

#### Features:

Two Piece Construction  
Allows for Front Loading of Door



### Works With:



Concealed Overhead Door Closers with 9/16" (14.3 mm) Square Spindle

CAT. NO.	DESCRIPTION
1NT304	Top Door Closer Patch Insert with Screws

Minimum order: 1 each. All Patch Inserts can be combined for quantity pricing.

## CRL Adjustable Top Door Patch Inserts

### INCLUDES:

- 1 Each: 1NT303 Adjustable Top Door Patch Insert;
- 2 Each: Hex Head Cap Screws for Attaching Insert to the Top Door Patch

### SPECIFICATIONS:

#### For Use With:

PH20 and PH21 Top Door Patch Fittings

**NOTE:** Do not use with PH20C

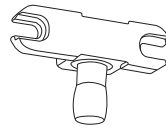
#### Connects To:

All Transom Patch Fittings with 1NT300 Top Pivot Insert; 1NT401 Surface Mounted Top Pivot; 1NT405 Threaded Top Pivot; CRL9040WBP Walking Beam Pivot

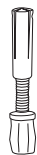
#### Accepts:

Pivot Diameter of 19/32" (15 mm)

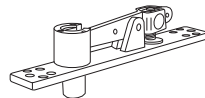
### Works With:



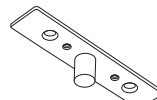
1NT300 Top Pivot Insert



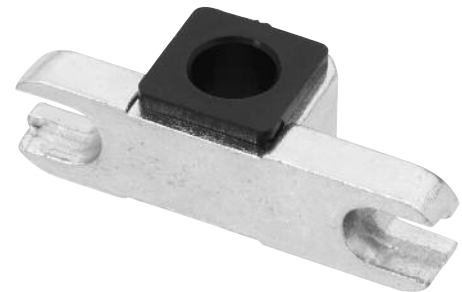
1NT405 Threaded Top Pivot



CRL9040WBP Walking Beam Pivot



1NT401 Surface Mounted Top Pivot



CAT. NO.	DESCRIPTION
1NT303	Adjustable Top Door Patch Insert with Screws
1NT303R	Adjustable Top Door Patch Insert with Screws for Rixson 340 Series 1/2" (12.7 mm) Walking Beam Pivot Only

Minimum order: 1 each. All Patch Inserts can be combined for quantity pricing.

## CRL Bottom Door Patch Insert

### INCLUDES:

- 1 Each: 1NT301 Bottom Door Patch Insert;
- 2 Each: Hex Head Cap Screws for Attaching Insert to the Bottom Door Patch

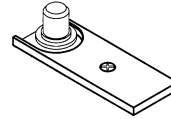
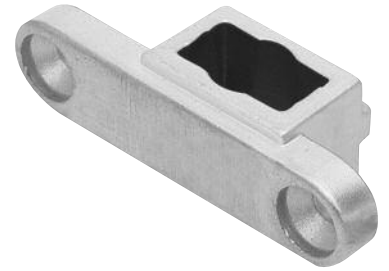
### Works With:



Floor Closers With This Type of Spindle



**1NT406**  
Adjustable Bottom Free-Swinging Pivot



**1NT403**  
Adjustable Bottom Free-Swinging Pivot

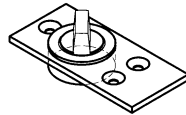
### SPECIFICATIONS:

#### For Use With:

PH10 and PH11 Bottom Door Patch Fittings

#### Connects To:

CRL8300 and CRL8400 Series Floor Closers; Floor Closers with International Type Pivot; 1NT402 Bottom Free-Swinging Pivot; 1NT403 and 1NT406 Adjustable Bottom Free-Swinging Pivots



**1NT402** Bottom Free-Swinging Pivot

CAT. NO.	DESCRIPTION
<b>1NT301</b>	Bottom Door Patch Insert with Screws

Minimum order: 1 each. All Patch Inserts can be combined for quantity pricing.

## CRL Transom Patch Keeper Insert for AMR205 Lock

### INCLUDES:

- 1 Each: AMR305 Keeper Insert;
- 2 Each: Hex Head Cap Screws for Attaching Insert to Transom Patch



### SPECIFICATIONS:

#### For Use With:

PH34, PH40, PH41L, PH41R, PH42L, PH42R, PH43L, PH43R, and PH51 Transom Patch Fittings to Create a Keeper for the AMR205 Lock

When used with a variety of Transom Patch Fittings, this Patch Keeper Insert allows the use of the AMR205 Lock on the top of the door. The Keeper Insert is put into the Transom Patch Fitting, and creates a receptacle for the lock's bolt.

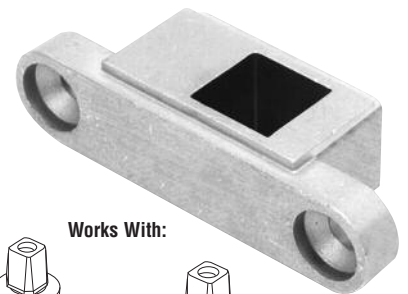
CAT. NO.	DESCRIPTION
<b>AMR305</b>	Transom Patch Keeper Insert with Screws

Minimum order: 1 each. All Patch Inserts can be combined for quantity pricing.

## CRL Bottom Door Patch Insert

### INCLUDES:

- 1 Each: 1NT302 Bottom Door Patch Insert;
- 2 Each: Flat Head Hex Screws for Attaching Insert to the Bottom Door Patch



### SPECIFICATIONS:

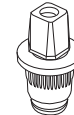
#### For Use With:

PH10 and PH11 Bottom Door Patch Fittings

#### Connects To:

Floor Closers with Casma (Speedy) Type Spindle; 1NT404 Adjustable Bottom Free-Swinging Pivot

### Works With:



**1NT404**  
Adjustable Bottom Free-Swinging Pivot



Floor Closers With Casma (Speedy) Tapered Square Spindle

CAT. NO.	DESCRIPTION
<b>1NT302</b>	Bottom Door Patch Insert with Screws

Minimum order: 1 each. All Patch Inserts can be combined for quantity pricing.

## CRL Transom Patch Door Stop

### INCLUDES:

- 1 Each: Insert with Door Stop
- 2 Each: Hex Head Cap Screws for Attaching Insert to Transom Patch



### SPECIFICATIONS:

#### For Use With:

PH34, PH40, PH41L, PH41R, PH42L, PH42R, PH43L, PH43R, and PH51 Transom Patch Fittings to Create a Door Stop

This Door Stop Insert can be used as a door stop in a variety of Transom Patch Fittings to make the door a one way door.

CAT. NO.	DESCRIPTION
<b>1NT306</b>	Door Stop Insert with Screws

Minimum order: 1 each. All Patch Inserts can be combined for quantity pricing.

## CRL Reversible Door Stop

### INCLUDES:

- 1 Each: Reversible Door Stop



### SPECIFICATIONS:

#### For Use With:

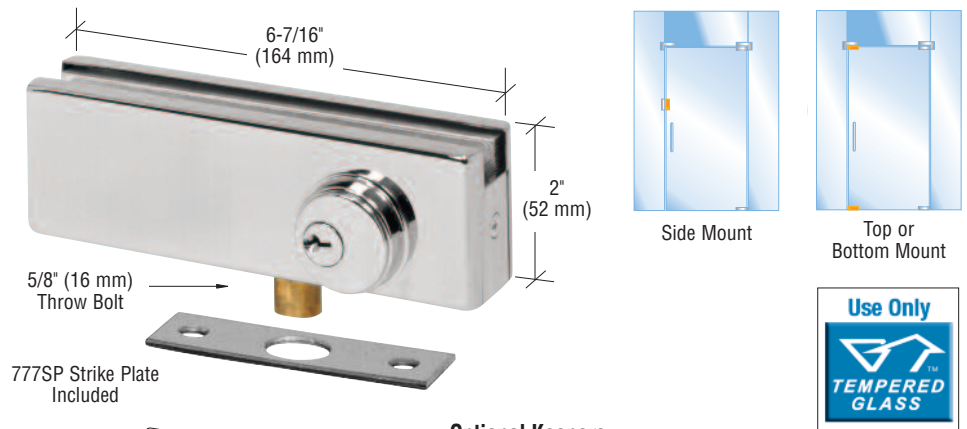
PH60 and PH70 Sidelite and Transom Patch Connectors to Create a Door Stop

By simply turning this Reversible Door Stop around, you have the choice of making the door swing out or in.

CAT. NO.	DESCRIPTION
<b>1NT310</b>	Reversible Door Stop

Minimum order: 1 each. All Patch Inserts can be combined for quantity pricing.

## CRL North American AMR Series Patch Lock (End-Load Cylinders)



### • Five Architectural Finishes

#### GLASS FABRICATION REQUIRED:

##### Top or Bottom Mount:

One 3/4" (19 mm) Diameter Hole and One Corner Notch

##### Side Mount:

One 3/4" (19 mm) Diameter Hole and One U-Cutout (Hole on Top)

#### COMES WITH:

Template and Instructions

#### DOES NOT INCLUDE:

Double Keyed Cylinders; Keyed Cylinder and Thumbturn; Optional Keepers (Must Be Ordered Separately)

#### DOUBLE DOOR APPLICATION:

For double door installations a Bottom Patch Lock is required on the inactive leaf to properly secure the pair of doors.

777SP Strike Plate Included

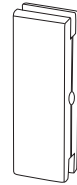
5/8" (16 mm) Throw Bolt

Side Mount

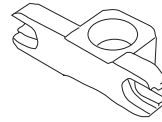
Top or Bottom Mount



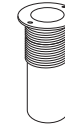
#### Optional Keepers



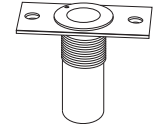
**AMR206**  
Glass Mounted Keeper



**AMR305**  
Transom Patch Lock Insert



**AMR207**  
Dustproof Keeper

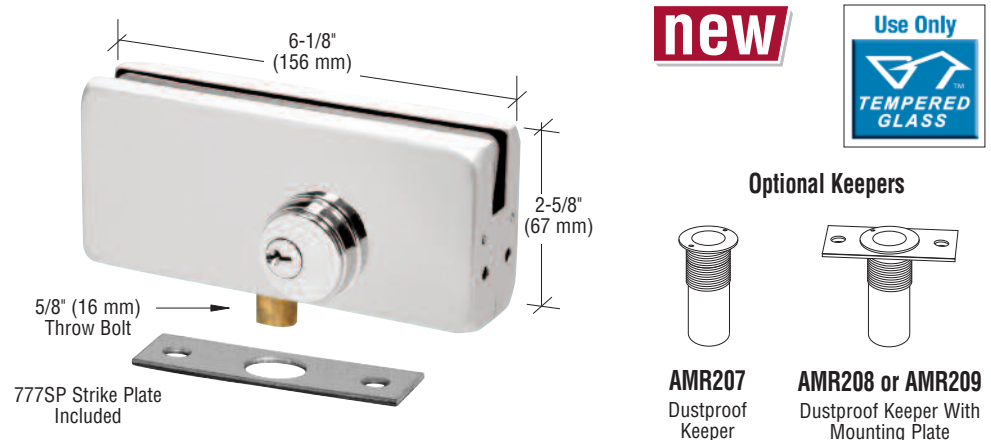


**AMR208 or AMR209**  
Dustproof Keeper With Mounting Plate

COMPLETE PATCH LOCK CAT. NO.	DOUBLE KEYED CYLINDERS ONLY CAT. NO.	KEYED CYLINDER AND THUMBTURN ONLY CAT. NO.	FINISH
<b>AMR205A</b>	<b>AMR205CCA</b>	<b>AMR205CTA</b>	Aluminum
<b>AMR205DU</b>	<b>AMR205CCDU</b>	<b>AMR205CTDU</b>	Bronze
<b>AMR205BR</b>	<b>AMR205CCBR</b>	<b>AMR205CTBR</b>	Polished Brass
<b>AMR205BS</b>	<b>AMR205CCBS</b>	<b>AMR205CTBS</b>	Brushed Stainless
<b>AMR205PS</b>	<b>AMR205CCPS</b>	<b>AMR205CTPS</b>	Polished Stainless

Minimum order: 1 each. All Patch Locks can be combined for quantity pricing.

## CRL North American AMR Series Heavy-Duty Patch Lock (End-Load Cylinders)



### • Five Architectural Finishes

#### GLASS FABRICATION REQUIRED:

##### Top or Bottom Mount:

One 3/4" (19 mm) Diameter Hole and One Corner Notch

#### COMES WITH:

Template and Instructions

#### DOES NOT INCLUDE:

Double Keyed Cylinders; Keyed Cylinder and Thumbturn; Optional Keepers (Must Be Ordered Separately)

#### DOUBLE DOOR APPLICATION:

For double door installations a Bottom Patch Lock is required on the inactive leaf to properly secure the pair of doors.

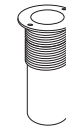
777SP Strike Plate Included

5/8" (16 mm) Throw Bolt

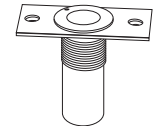
**new**



#### Optional Keepers



**AMR207**  
Dustproof Keeper



**AMR208 or AMR209**  
Dustproof Keeper With Mounting Plate

The AMR215 American Style Patch Lock is a heavy-duty version of the AMR205 Lock (above). The taller profile housing provides additional security due to more glass being secured inside the lock housing. This Lock can only be installed in top and bottom corner applications.

COMPLETE PATCH LOCK CAT. NO.	DOUBLE KEYED CYLINDERS ONLY CAT. NO.	KEYED CYLINDER AND THUMBTURN ONLY CAT. NO.	FINISH
<b>AMR215A</b>	<b>AMR215CCA</b>	<b>AMR215CTA</b>	Aluminum
<b>AMR215DU</b>	<b>AMR215CCDU</b>	<b>AMR215CTDU</b>	Bronze
<b>AMR215BR</b>	<b>AMR215CCBR</b>	<b>AMR215CTBR</b>	Polished Brass
<b>AMR215BS</b>	<b>AMR215CCBS</b>	<b>AMR215CTBS</b>	Brushed Stainless
<b>AMR215PS</b>	<b>AMR215CCPS</b>	<b>AMR215CTPS</b>	Polished Stainless

Minimum order: 1 each. All Patch Locks can be combined for quantity pricing.



## CRL European EUR Series Patch Lock (Bottom-Load Cylinders)

- For 3/8" or 1/2" (10 or 12 mm) Glass

### GLASS FABRICATION REQUIRED:

Top and Bottom Mount: One Corner Notch  
Side Mount: One U-Cutout

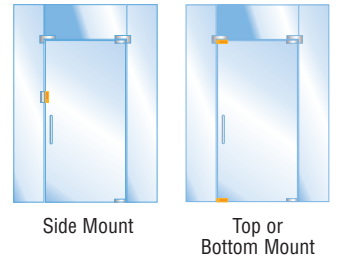
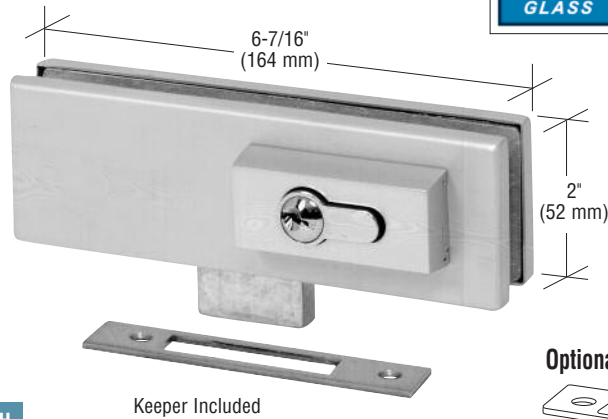
### COMES WITH:

Template and Instructions

For a Keyed Cylinder Lock with Thumbturn to fit the EUR205 Series Patch Lock, see page Z519.

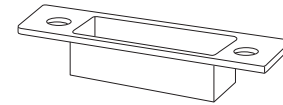
CAT. NO.	FINISH
EUR205A	Aluminum
EUR205BR	Polished Brass
EUR205BS	Brushed Stainless
EUR205PS	Polished Stainless

Minimum order: 1 each. All Patch Locks can be combined for quantity pricing.

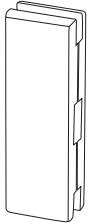


**NOTE:** If used as other than a corner mount, the closed end lips of the Cover Plates need to be trimmed back.

### Optional Keepers



**EUR208**  
"Easy Clean"  
Bottom Keeper



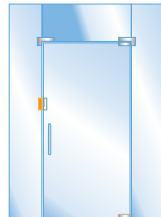
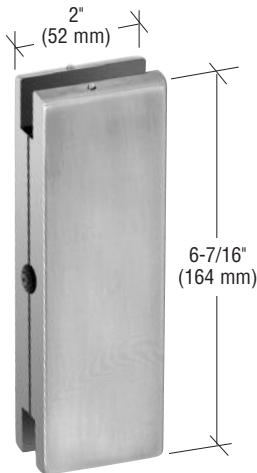
**EUR206**  
Sidelite or Glass Door  
Mount Keeper

### DOUBLE DOOR APPLICATION:

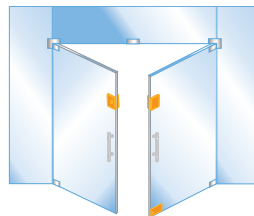
For double door installations a Bottom Patch Lock is required on the inactive leaf to properly secure the pair of doors.

## CRL North American AMR Series Glass Mount Keeper for AMR205 Patch Lock

- For 3/8" or 1/2" (10 or 12 mm) Glass



Door to Sidelite



\*Door-to-Door

### SPECIFICATIONS:

**For Use With:**  
AMR205 North American Patch Lock

**GLASS FABRICATION REQUIRED:**  
One U-Cutout

### COMES WITH:

Template and Instructions

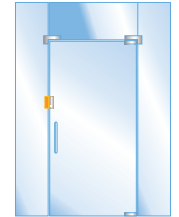
\*When used on a door, the door that it is mounted on should be secured in place with a lock at the bottom of the door.

CAT. NO.	FINISH
AMR206A	Aluminum
AMR206DU	Bronze
AMR206BR	Polished Brass
AMR206BS	Brushed Stainless
AMR206PS	Polished Stainless

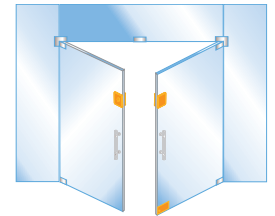
Minimum order: 1 each.  
All Patch Locks can be combined for quantity pricing.

## CRL European EUR Series Glass Mount Keeper for EUR205 Patch Lock

- For 3/8" or 1/2" (10 or 12 mm) Glass



Door to Sidelite



\*Door-to-Door

### SPECIFICATIONS:

**For Use With:**  
EUR205 European Patch Lock

**GLASS FABRICATION REQUIRED:**  
One U-Cutout

### COMES WITH:

Template and Instructions

\*When used on a door, the door that it is mounted on should be secured in place with a lock at the bottom of the door.

CAT. NO.	FINISH
EUR206A	Aluminum
EUR206BR	Polished Brass
EUR206BS	Brushed Stainless
EUR206PS	Polished Stainless

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

## CRL Replacement Cover Plates for Patch Fittings

For PH10, PH11, PH20, and PH21 Door Patch Fittings

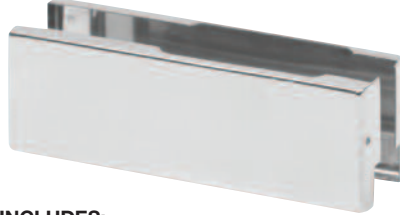


**INCLUDES:**  
1 Set of Two Cover Plates

CAT. NO.	FINISH
1NT101A	Satin Anodized
1NT101DU	Black Bronze Anodized
1NT101BR	Polished Brass
1NT101BS	Brushed Stainless
1NT101PS	Polished Stainless

Minimum order: 1 set. Replacement Cover Plates can be combined for quantity pricing.

For PH34 Wall Mounted Transom Patch Fittings

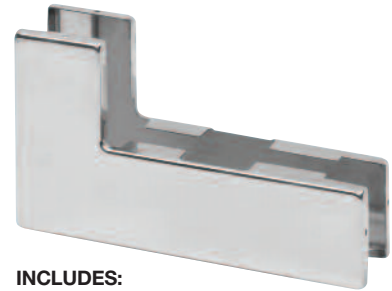


**INCLUDES:**  
1 Set of Two Cover Plates

CAT. NO.	FINISH
1NT102A	Satin Anodized
1NT102DU	Black Bronze Anodized
1NT102BR	Polished Brass
1NT102BS	Brushed Stainless
1NT102PS	Polished Stainless

Minimum order: 1 set. Replacement Cover Plates can be combined for quantity pricing.

For PH40 Sidelite Mounted Transom Patch Fittings



**INCLUDES:**  
1 Set of Two Cover Plates

CAT. NO.	FINISH
1NT103A	Satin Anodized
1NT103DU	Black Bronze Anodized
1NT103BR	Polished Brass
1NT103BS	Brushed Stainless
1NT103PS	Polished Stainless

Minimum order: 1 set. Replacement Cover Plates can be combined for quantity pricing.

Replacement Cover Plates for Other Patch Fittings are Available on Special Order.

## CRL Replacement Gaskets and Grommets for Patch Fittings

For PH10, PH11, PH20, PH21, and PH34 Patch Fittings



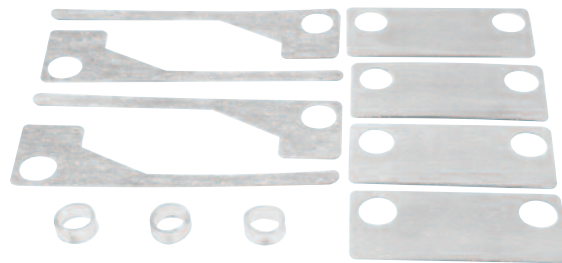
**GASKET SETS FOR:**  
PH10 and PH11 Bottom Door Patches; PH20 and PH21 Top Door Patches; PH34 Wall Mounted Transom Patch

**SET CONTAINS:**  
4 Each Gaskets  
[Use 4 for 3/8" (10 mm) Glass, and 2 for 1/2" (12 mm) Glass];  
1 Each Translucent Grommet

CAT. NO.	DESCRIPTION
GS101	Set of Gaskets and Grommets

Minimum order: 1 set. Replacement Gaskets can be combined for quantity pricing.

For PH40 Sidelite Mounted Transom Patch Fittings



**GASKET SET FOR:**  
PH40 Sidelite Mounted Transom Patch

**SET CONTAINS:**  
8 Each Gaskets  
[Use 8 for 3/8" (10 mm) Glass, and 4 for 1/2" (12 mm) Glass]; 3 Each Translucent Grommets

CAT. NO.	DESCRIPTION
GS103	Set of Gaskets and Grommets

Minimum order: 1 set. Replacement Gaskets can be combined for quantity pricing.

Replacement Gaskets for Other Patch Fittings are Available on Special Order.

## CRL Replacement Screws

• Popular Screw Types for Patch Hardware

• Sold in Convenient Packs of 10

Replacement Screws are available for most popular Patch Hardware items shown in this catalog. Sold in packs of 10, a convenient way to have extra Screws available and not incur costly delays from lost or damaged Screws.



M8X25F



M6X25F



M6X20C



M6X175F



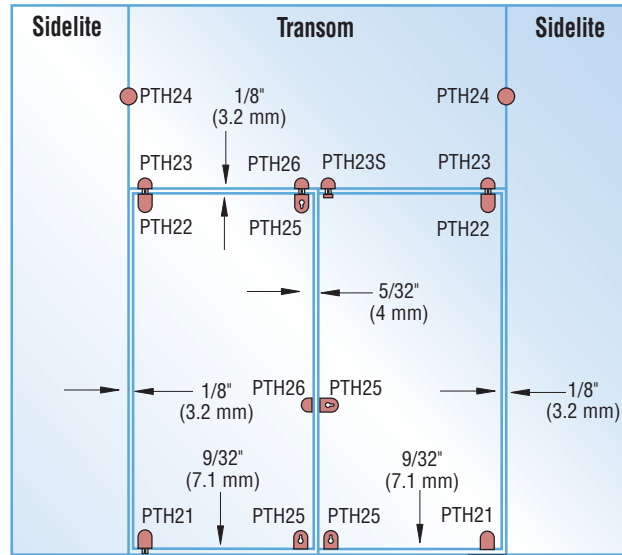
M4X7UC

CAT. NO.	SIZE	DESCRIPTION	FITS
M8X25F	8 mm x 25 mm	Flat Head Hex Socket	All Support Fin Brackets
M6X25F	6 mm x 25 mm	Flat Head Hex Socket	All Patch Fitting Main Bodies
M6X20C	6 mm x 20 mm	Cap Head Hex Socket	1NT300, 1NT303, 1NT306, AMR305 Inserts
M6X175F	6 mm x 17.5 mm	Flat Head Hex Socket	1NT301, 1NT302, 1NT304 Inserts
M4X7UC	4 mm x 7 mm	Undercut Allen	Cover Plates

Minimum order: 1 pack. Replacement Screw Packs can be combined for quantity pricing.

## CRL PTH Series Patch Fittings CRL Top Door Patch

- A Complete Selection for Single or Double Doors, Transoms, and Sidelites Fittings
- For 3/8" or 1/2" (10 or 12 mm) Glass
- Available in Two Finishes



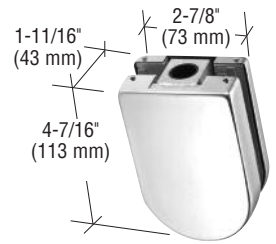
All PTH Series Patch Fittings can be combined for quantity pricing.

### FOR USE WITH:

PTH23 Top Transom Pivot;  
CRL9040WBP Walking Beam Pivot;  
1NT401 Top Free-Swinging Pivot;  
1NT405 Header Mount Top Pivot

### GLASS FABRICATION REQUIRED:

Two 13/16" (20 mm) Diameter Holes and One Notch (Template Included)



CAT. NO.	FINISH
PTH22BS	Brushed Stainless
PTH22PS	Polished Stainless

Minimum order: 1 each.

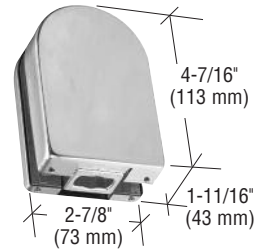
## CRL Bottom Door Patch

### FOR USE WITH:

CRL8300/8400/8500 Series Door Closers;  
7/8" (22.2 mm) Flat Tapered Spindles

### GLASS FABRICATION REQUIRED:

Two 13/16" (20 mm) Diameter Holes and One Notch (Template Included)



CAT. NO.	FINISH
PTH21BS	Brushed Stainless
PTH21PS	Polished Stainless

Minimum order: 1 each.

## CRL Patch Connector

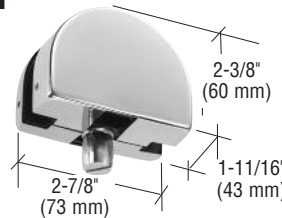


**GLASS FABRICATION REQUIRED:**  
One Notch in Each Lite (Template Included)

CAT. NO.	FINISH
PTH24BS	Brushed Stainless
PTH24PS	Polished Stainless

Minimum order: 1 each.

## CRL Top Transom Pivot Patch



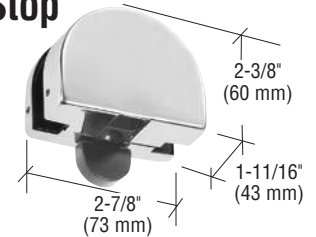
**FOR USE WITH:**  
PTH22 Top Door Patch

**GLASS FABRICATION REQUIRED:**  
One Notch (Template Included)

CAT. NO.	FINISH
PTH23BS	Brushed Stainless
PTH23PS	Polished Stainless

Minimum order: 1 each.

## CRL Top Transom Door Stop



**GLASS FABRICATION REQUIRED:**  
One Notch (Template Included)

CAT. NO.	FINISH
PTH23SBS	Brushed Stainless
PTH23SPS	Polished Stainless

Minimum order: 1 each.

## CRL Glass Mounted Patch Lock

### INCLUDES:

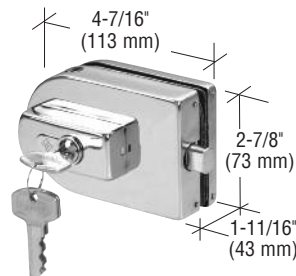
Three Keys; Strike Plate

### FOR USE WITH:

PTH26 Series Keeper (Order Separately)

### GLASS FABRICATION REQUIRED:

2-3/16" (56 mm) Hole in Glass; Hole Required in Threshold Only if Bottom Mounted (Template Included)



CAT. NO.	FINISH
PTH25BS	Brushed Stainless
PTH25PS	Polished Stainless

Minimum order: 1 each.

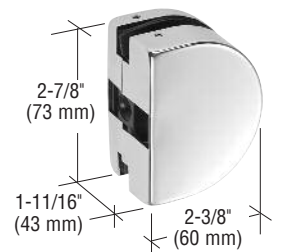
## CRL Glass Mounted Patch Lock Keeper

### FOR USE WITH:

PTH25 Series Lock (Order Separately)

### GLASS FABRICATION REQUIRED:

One Notch (Template Included)



CAT. NO.	FINISH
PTH26BS	Brushed Stainless
PTH26PS	Polished Stainless

Minimum order: 1 each.



## CRL Surface Mounted Top Free-Swinging Pivot

- Surface Mount Top Pivot Type for Use With Patch Fittings and CRL Wedge-Lock™ Door Rails
- Brushed Stainless Finish

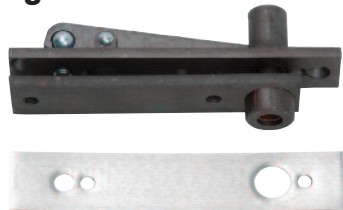


CRL Surface Mounted Top Free-Swinging Pivots have a pivot pin diameter of 19/32" (15 mm). They can be used with PH20A, PH21A, and EUR420 Top Door Patch Fittings, as well as with CRL9040TDF and CRL9060TDF Top Door Fittings in our DRS Door Rails. Minimum order is one each. All Pivots can be combined for quantity pricing.

CAT. NO. 1NT401

## CRL Rixson® Walking Beam Pivot

- Heavy and Standard Duty Models
- Non-Handed
- Cover Plates Are Included



CRL Rixson Walking Beam Type Pivot has a 1/2" (12.7 mm) diameter pivot pin. The door portion provides a 3/4" (19 mm) deep engagement and heavy-duty bearing. These Pivots are fully mortised and non-handed. Supplied with finished cover plate, plus wood and machine screws. When used with PH20A, PH21A, CPF20A, and EUR420 Patch Fittings a 1NT303R Insert is required (order separately). Standard Duty weight limit is 500 pounds (227 kg). Heavy-Duty weight limit is 1000 pounds (454 kg).

STANDARD CAT. NO.	HEAVY DUTY CAT. NO.	FINISH
340SC	H340SC	Satin Chrome
340PC	H340PC	Polished Chrome
340PB	H340PB	Polished Brass
340DU	H340DU	Black Bronze Anodized

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

## CRL Bottom Free-Swinging Pivot

- 7/8" Flat Tapered Spindle
- For Use With Bottom Door Patches and Door Rails

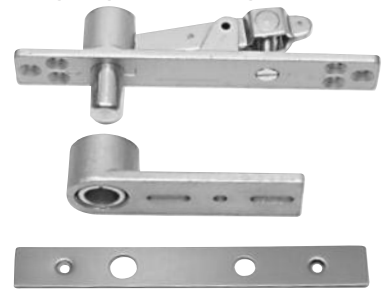


This CRL Bottom Free-Swinging Pivot has a flat tapered type spindle. Weight capacity is 440 pounds (200 kg). They are used with CRL Bottom Door Patches and Door Rails. Minimum order is one each. All Pivots can be combined for quantity pricing.

CAT. NO. 1NT402

## CRL Top Free-Swinging Walking Beam Pivot

- For Center-Hung Applications When Using a Concealed Floor Mounted Door Closer



Optional Cover Plate (sold separately)

CRL Walking Beam Pivots have a pivot pin diameter of 19/32" (15 mm). They are designed to work with our PH20A, PH21A, and EUR420 Top Door Patch Fittings; or by using the included pivot receptor, they can be used with any aluminum door rail with a pocket depth of 1" (25 mm). Hollow Tube Mounting Brackets are available, see page Z705.

PIVOT CAT. NO.	COVER PLATE CAT. NO.	DESCRIPTION
CRL9040WBP	-	Walking Beam Pivot
-	CRL9040CPA	Satin Anodized Cover Plate
-	CRL9040CPPB	Polished Brass Cover Plate
-	CRL9040CPPS	Polished Stainless Cover Plate
-	CRL9040CPBS	Brushed Stainless Cover Plate
-	CRL9040CPDU	Black Bronze Anodized Cover Plate

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

## CRL Header Mounted Top Free-Swinging Pivot

- Designed for Mounting Into Masonry or Metal Headers

CRL Header Mounted Free-Swinging Top Pivots have a pivot pin diameter of 19/32" (15 mm), and were designed for mounting into masonry or metal headers for use with PH20A, PH21A, and EUR420 Top Door Patch Fittings. Minimum order is one each. All Pivots can be combined for quantity pricing.



CAT. NO. 1NT405

## CRL Adjustable Bottom Free-Swinging Pivot

- Has 3/16" (5 mm) of Height Adjustment
- Can Be Floor or Threshold Mounted



This CRL Adjustable Bottom Free-Swinging Pivot can be floor or threshold mounted and provides 3/16" (5 mm) of height adjustment. They are ideal for use with our PH10C, PH11C, and EUR410 Bottom Door Patch Fittings. Minimum order is one each. All Pivots can be combined for quantity pricing.

CAT. NO. 1NT403

## CRL Adjustable Bottom Free-Swinging Pivot

- Flat and Square Tapered Styles Available
- 220 Pound (100 kg) Capacity
- Provides 1/4" (6 mm) Height Adjustment

We offer two styles of Adjustable Bottom Free-Swinging Pivots; our Cat. No. 1NT404 "MAB" Type Square Tapered Spindle, and our Cat. No. 1NT406 Flat Tapered Spindle. Both provide 1/4" (6 mm) height adjustment and require a single hole for mounting. The "MAB" Type works exclusively with our PH10D and PH11D Bottom Door Patch Fittings. The Flat Tapered Type works with many of our Bottom Door Patch Fittings and Door Rails. Minimum order is one each. All Pivots can be combined for quantity pricing.



**CAT. NO. 1NT404**  
"MAB" Type Square Tapered Spindle

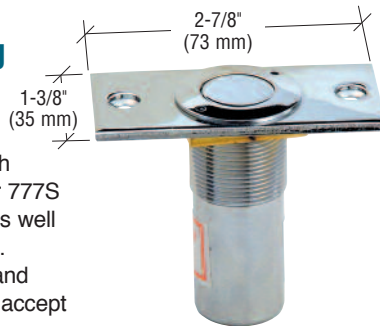


**CAT. NO. 1NT406**  
Flat Tapered Spindle

## CRL Dustproof Keeper With Mounting Plate

- Available in Locking and Non-Locking Models

CRL Dustproof Keepers with Mounting Plates work with our 777S and 777SL Door Rail Locks, as well as our AMR205A Patch Locks. They are available in locking and non-locking models, and both accept a 15/32" (12 mm) plunger.



CAT. NO.	LOCKABLE	FINISH
AMR208BR	No	Brass
AMR208BN	No	Brushed Nickel
AMR208PS	No	Polished Chrome
AMR209BR	Yes	Brass
AMR209BN	Yes	Brushed Nickel
AMR209PS	Yes	Polished Chrome

**FABRICATION REQUIRED:**  
1" (25.4 mm) Diameter Hole Drilled  
2" (51 mm) in Floor and  
Two Screw Anchor Holes  
**ACCEPTS:** 15/32" (12 mm) Plunger

**INCLUDES:**  
2 Each: Flat Head Screws

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

## CRL Dustproof Keeper

- Accepts a 15/32" (12 mm) Plunger
- Three Finishes Available

CRL Dustproof Keepers are intended for use with our AMR205 Patch Locks, 777S and 777SL Door Rail Locks. They are easy to install and only require a 1" (25.4 mm) diameter by 2" (51 mm) deep hole in the floor. All Keepers can be combined for quantity pricing.



CAT. NO.	FINISH
AMR207BR	Brass
AMR207BN	Brushed Nickel
AMR207PS	Polished Chrome

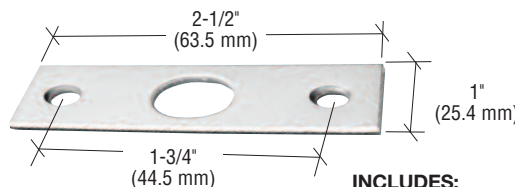
**FABRICATION REQUIRED:**  
1" (25.4 mm) Diameter Hole Drilled  
2" (51 mm) in Floor  
**ACCEPTS:** 15/32" (12 mm) Plunger

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

## CRL Strike Plate

- Works With CRL Door Rail Floor Lock Plungers
- Five Finishes

CRL Strike Plates will work with our 777S and 777SL Door Rail Locks and provides for a secure locking connection.

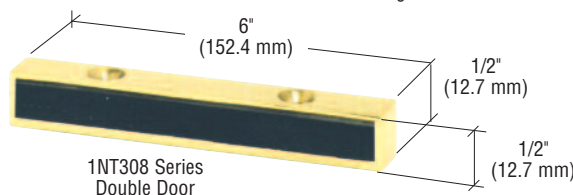
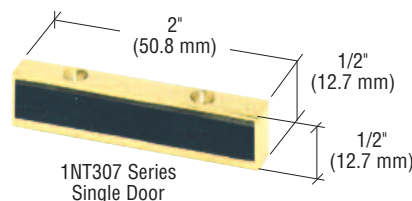


**INCLUDES:**  
2 Each: Flat Head Screws  
**ACCEPTS:** Lock Bolts up to  
11/16" (17.4 mm) Diameter

CAT. NO.	FINISH
777SPSA	Satin Anodized
777SPDU	Black Bronze Anodized
777SPBS	Brushed Stainless
777SPPS	Polished Stainless
777SPPB	Polished Brass

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

## CRL Header Mounted Single and Double Door Stops



- Provides Positive Stop
- Available for Single and Double Doors

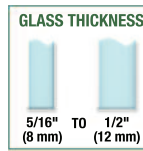
CRL Header Mounted Door Stops provide a positive stop when converting double acting doors into single acting one-way doors. Mounting screws are not included.

SINGLE DOOR STOP CAT. NO.	DOUBLE DOOR STOP CAT. NO.	FINISH
1NT307A	1NT308A	Satin Anodized
1NT307DU	1NT308DU	Black Bronze Anodized
1NT307BR	1NT308BR	Polished Brass
1NT307BS	1NT308BS	Brushed Stainless
1NT307PS	1NT308PS	Polished Stainless

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

## CRL Atlas Series 'All-Glass' Door Hinge

- Automatic Closing Function
- Hold Open at 90 Degrees
- Ideal for Large Interior 5/16", 3/8" or 1/2" (8, 10 or 12 mm) Tempered Glass Doors
- Easy Closed Position Adjustment for Double Door or Inline Panel Applications
- Four Architectural Finishes

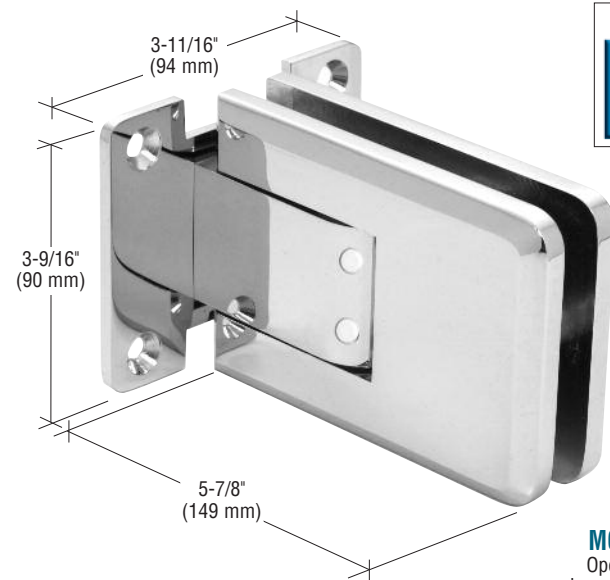
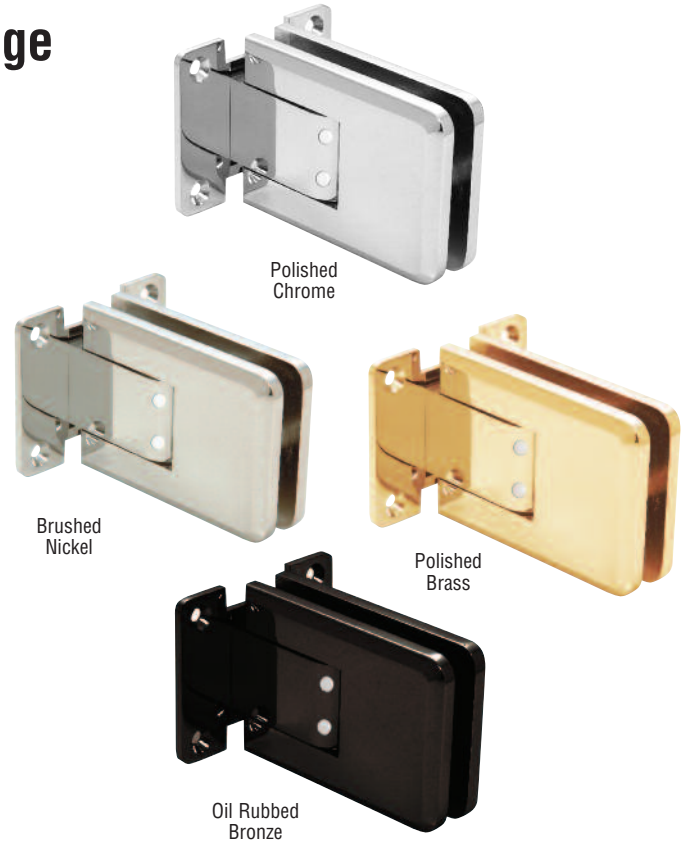


This innovative CRL Atlas Series 'All-Glass' Door Hinge gives you the best of two worlds; minimal hardware and automatic closing action, all wrapped up in a stylish, heavy-duty Hinge. Two of these double-acting Hinges will allow you to create 'all-glass' doors weighing up to 140 pounds (63.5 kg) with a maximum width of 39" (1 m).

**NOTE:** Do not exceed two Hinges per door.

The automatic closing function with adjustable spring strength eliminates the need for any closer mechanism, and will close the door from any position. When fully opened, the Atlas Hinge will hold open at 90 degrees. These Hinges offer easy fine-tune closed position adjustment.

The solid brass construction and stainless steel components make the Atlas Hinge a natural for applications that may involve excess moisture.



**MODEL ATL01**  
Opens 90 degrees inwards and outwards

**SPECIFICATIONS:**

**Glass Thicknesses:** 5/16" to 1/2" (8 to 12 mm)

**Construction:** Solid Brass

**Hinge Swings:** 90 Degrees Inwards and Outwards

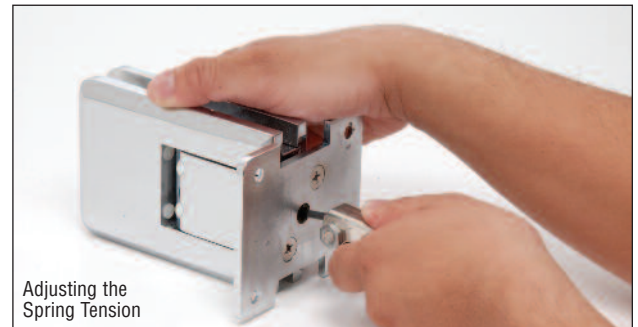
**Closing Type:**

Automatic Closing From Any Position and Precise Closing to 0 Degrees

**Special Feature:** Holds Open at 90 Degrees; Adjustable Closed Position

**Notch and Hole Required**

**Includes:** Gaskets, Phillips Screws, and Glass Fabrication Dimensions



Adjusting the Spring Tension



Adjusting the Closing Position

*MAXIMUM CAPACITIES	5/16" TO 1/2" (8 TO 12 MM) GLASS	
	WEIGHT	DOOR WIDTH
Using Two Hinges	140 lbs/63.5 kg	39"/1 m

\*NOTE: Do not exceed maximum door weight or width. Do not exceed two hinges per door.

CAT. NO.	DESCRIPTION
ATL01CH	Polished Chrome
ATL01BN	Brushed Nickel
ATL01BR	Polished Brass
ATL01ORB	Oil Rubbed Bronze

Minimum order: 1 each. All Frameless Hinges can be combined for quantity pricing. Other finishes available on special order. **NOTE:** 'All-Glass' Door Hinges are sold by the each, not in pairs.

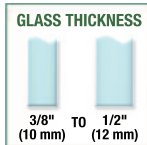




## CRL Biloba Series Hydraulic 'All-Glass' Door Hinges

**new**

- For Self-Closing Glass Doors From 3/8" to 1/2" (10 to 12 mm) Thick
- A Great Alternative to Floor Closers and Patch Fittings
- Hold Open at 90 Degrees
- Adjustable Closing Speed



The new Biloba Hinge represents the evolution and the synthesis between automatic mechanical hinges and hydraulic door closers. Designed for use on interior doors, Biloba allows you to design a self-closing door without the need of a floor-mounted or overhead closing device. This gives you the advantage of being able to install an 'all-glass' door in an existing opening without the need for extensive retrofitting of hardware into the floor or overhead.

Properly mounted, two Biloba Hinges will support a 3/8" to 1/2" (10 to 12 mm) thick glass door up to 39" (1 m) in width and weighing up to 220 pounds (100 kg). A control valve lets you adjust the hinge to the desired closing speed. And Biloba is ambidextrous, with positive stops at 0 and 90 degrees, giving you even more design freedom.

The Biloba Hinge features an aluminum body in distinct configurations for Wall Mount and Glass-to-Glass applications. Biloba has been subject to strict testing (over 1 million cycles), assuring long lasting service.

### SPECIFICATIONS:

#### Glass Thickness Range:

3/8" to 1/2" (10 to 12 mm)

#### Construction:

Aluminum

#### Hinge Swings:

90 Degrees Inwards and Outwards (Except 31M8060 Model, Which Only Swings One Way)

#### Closing Type:

Automatic Closing From 0 to 80 Degrees

#### Special Feature:

Holds Open at 90 Degrees; Adjustable Closing Speed

#### Cut-Out Required

#### Includes:

Snap-In Molded Gaskets for 3/8" (10mm) and 1/2" (12 mm) Glass; Hex Screws

#### Maximum Capacities Using Two Hinges:

Door Width 39" (1 m); Door Weight: 220 pounds (100 kg)

**NOTE:** Do not use more than two hinges on one door

- Aluminum Body in Your Choice of Two Finishes: Brite Chrome and Brushed Satin

### Full Back Plate Wall Mount Hinge

Swings in and out a full 90 degrees, with stops at 0°, +90°, and -90°. Closing speed can be adjusted. For doors up to 39" (1 m) wide. Maximum weight per two hinges is 220 pounds (100 kg).

CAT. NO.	FINISH
31M8010CH	Brite Chrome
31M8010SN	Brushed Satin

Minimum order: 1 each. All Frameless Hinges can be combined for quantity pricing. **NOTE:** 'All-Glass' Door Hinges are sold by the each, not in pairs.



### 180 Degree Glass-to-Glass Hinge

Swings in and out a full 90 degrees, with stops at 0°, +90°, and -90°. Closing speed can be adjusted. For doors up to 39" (1 m) wide. Maximum weight per two hinges is 220 pounds (100 kg).

CAT. NO.	FINISH
31M8015CH	Brite Chrome
31M8015SN	Brushed Satin

Minimum order: 1 each. All Frameless Hinges can be combined for quantity pricing. **NOTE:** 'All-Glass' Door Hinges are sold by the each, not in pairs.



### One Way Swinging Wall Mount Hinge

Ideal for hermetic closing. Swings one way a full 90 degrees, with stops at 0° and 90°. Closing speed can be adjusted. For doors up to 39" (1 m) wide. Maximum weight per two hinges is 220 pounds (100 kg).

CAT. NO.	FINISH
31M8060CH	Brite Chrome
31M8060SN	Brushed Satin

Minimum order: 1 each. All Frameless Hinges can be combined for quantity pricing. **NOTE:** 'All-Glass' Door Hinges are sold by the each, not in pairs.



Shown Mounted Hinged Left Swing Out

## A Large Stock Selection of Tested Spider Fittings for Every Type of Installation

- **Heavy-Duty Spiders, Regular Duty Spiders, and Mini Spiders Available**
- **Designed for the 'All-Glass' Look**
- **Made of 316 Alloy Stainless Steel**
- **For Mounting to Posts, Walls, and Column Fins**
- **Use Mini Spiders for Hand Rails, Guard Rails, and Awnings**

All Glass Façades can be accomplished by using our stock Spider Fittings. The Spiders can be attached to vertical columns, vertical "I" beams, or vertical glass fins, giving the façade a look of glass sheets floating in space with no vertical or horizontal metal. The Spider Fittings themselves are beautifully finished in brushed or polished stainless steel that has been structurally tested to carry the panel weight and handle the wind load of the region. We have glass attachment fittings in fixed or swivel configurations in both flush or cap styles. The fittings and glass attachments come in regular duty and heavy-duty models that are tested and certified to meet your installation needs. Our personnel will guide you through the design and quotation process, and can also provide you with calculated and certified drawings, stamped by a licensed engineer. For assistance 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 Extension 7700. You can also send e-mail from the home page of our web site. Click on Contact Us, and then click on Technical Sales for Commercial Products.

Insite Design & Development



## CRL Column and Glass Fin Supported Systems



In a Column Supported System, vertical columns are designed to support the weight of the glass wall that is attached with Spider Fittings.



In a Glass Fin Supported System, vertical heavy glass fins are placed at 90 degrees to the glass wall. The Spider Fittings attach to both the fin and the glass wall.

## CRL Spider Fittings for Hand Rails, Guard Rails, and Awnings



Spider Fittings are often attached to a vertical post for hand railing applications.



Mini Spider Fittings can be modified for custom guard rail installations.



Heavy-Duty Spider Fittings attached to the top of engineered beams to create a glass awning.



## CRL General Information and Technical Advice

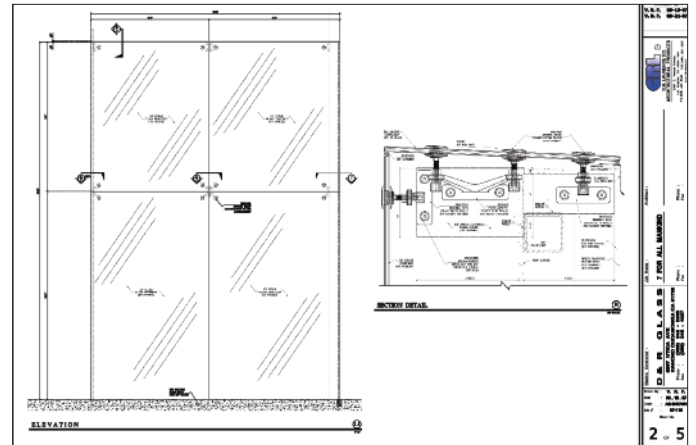
The first step in designing any façade that uses Spider Fittings is to discuss the general design. Our Technical Sales Representatives will be glad to go over the job requirements with you to gather enough information to create a quotation. Basic information is needed to determine which fittings are required, such as, what the Spider Fittings attach to (column, beam or glass fin), wind loads, and glass type. Based on your initial information, the Technical Sales Representative will put together a preliminary quote. **Note:** All building departments will require structural approval, and any changes required may affect the quote and should be submitted for review.

CRL Commercial 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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



## CRL Technical Drawings

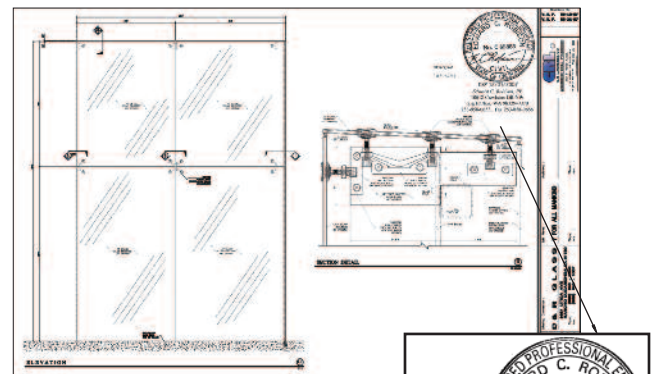
The next step in the process is to create technical drawings and submit all the information required by the structural engineer to evaluate the system so that the customer and architect will approve it. Our dedicated Computer Aided Drafting (CAD) Department will create shop drawings that show the façade design, number and type of Spider Fittings, along with the glass attachment choice. Doors and other façade variants will also be shown along with specifications on the drawings. CRL provides this design and layout phase at a reasonable price to our customers when accompanied with a purchase order for the system. You can use your own structural engineer, or CRL can recommend one that has previously worked with this product line to assist you.



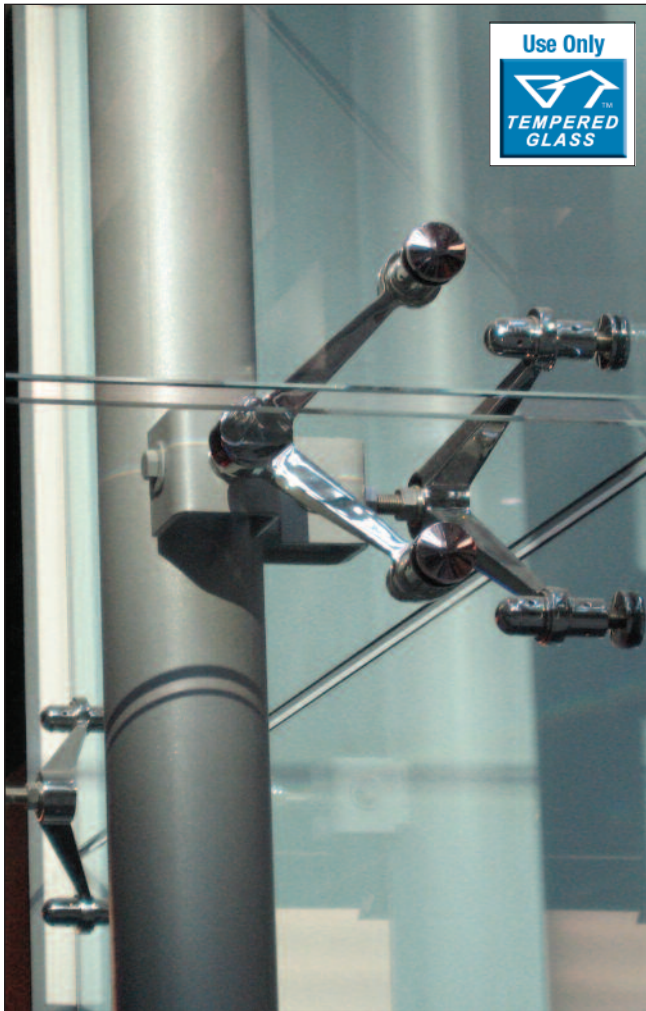
## CRL Calculations and Structural Engineering

The final step in the process is to get a structural engineer's approval and supporting calculations on a stamped set of drawings. **Note:** The structural engineer must be licensed in the state that the job is being completed. Critical weather conditions, such as hurricanes, might result in additional support being required (such as tension rods or cable tensioning) to meet the local building requirements. Unfortunately, unforeseen issues that are discovered during the engineering phase may require revised or additional shop drawings and may also affect the original quotation. Because of the critical nature of a Spider Fitting façade, the more detailed information acquired during the first step of the process will help to avoid costly additions later.

CRL Commercial 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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.







- For Use With 1/2" to 1-1/16" (12 to 27 mm) Tempered Glass
- Spiders for Mounting to Posts, Walls or Fins
- Designed for the 'All-Glass' Look
- New Combination Glass Attachments – Same Attachment Can Be Used for Flush Mount or Cap Mount Applications – Rigid Head and Swivel Head Styles Available
- Made of 316 Alloy Stainless Steel in Two Attractive Finishes: Brushed or Polished



We have expanded our line of Heavy-Duty Spider Fittings for 1/2" to 1-1/16" (12 to 27 mm) tempered glass wall and canopy applications. CRL now stocks fourteen designs of Heavy-Duty Spiders that can be incorporated into these systems. We have one, two, and four arm fittings that can be mounted to railing posts, structural walls or fins.

We offer two types of Combination Glass Attachments that can be used for any of these fittings. The Rigid Combination Attachment can be used for both countersunk (flush) mounting and cap (standard hole) mounting. This rigid head fastener would be used in areas where movement of the glass (deflection) needs to be minimized. The Swivel Combination Attachment can also be used for both countersunk (flush) mounting and cap (standard hole) mounting. This swivel head fastener allows for six degrees of rotation in any direction, which can be used in segmented radius applications or in areas where the glass will get a small amount of dynamic loading.

All CRL Spider Fittings and Glass Attachments are made of 316 Alloy Stainless Steel to provide a virtually maintenance free design and a beautiful finish to complement most any décor.

For more information or a quote on your next project, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 (International). Ask for Extension 7700. You can also send e-mail by logging on to [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



# CRL HEAVY-DUTY SPIDER FITTING GLASS ATTACHMENTS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

**NOTE:** Either the Rigid Head or Swivel Head Combination Glass Attachments below can be used with all Heavy-Duty Spider Fittings

## CRL Rigid Head Combination Glass Attachment

- For Use With 1/2" to 1-1/16" (12 to 27 mm) Tempered Glass

The Rigid Head Attachments allow for a secure attachment and minimize the deflection of the glass panels. This type of fitting is typically used only for interior applications.

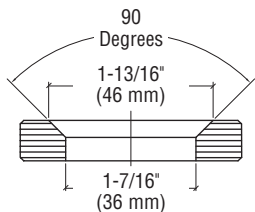
One Fitting for either Flush or Surface Mount Installations



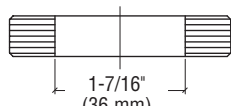
Flush Mount  
(Countersunk hole in glass)

Cap Mount  
(Standard hole through glass)

Our special Rigid Head Combination Glass Attachment Fittings can be used for 'flush' mounting for a smooth exterior surface when the glass is fabricated with a countersunk hole. This same Fitting can be used for the 'cap' type of mounting when using the supplied adaptor washer. This requires just a standard hole in the glass.



Flush mount glass fabrication \*



Cap mount glass fabrication

CAT. NO.	FINISH
HRF14BS	Brushed Stainless
HRF14PS	Polished Stainless

Minimum order: 1 each.

\* We suggest when using the flush mount method that you give your glass fabricator a sample Flush Mount Glass Attachment to ensure a proper flush fit.

## CRL Swivel Head Combination Glass Attachment

- For Use With 1/2" to 1-1/16" (12 to 27 mm) Tempered Glass

The head of the Swivel Glass Attachment can tilt up to 6 degrees in any direction on its ball and socket joint. This allows for any stress applied to the glass to be more evenly distributed across the entire panel of glass rather than concentrating at the hole. These are typically used in conditions where the glass will be subject to live loads.

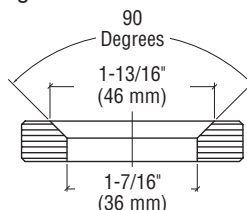
One Fitting for either Flush or Surface Mount Installations



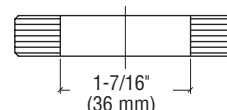
Flush Mount  
(Countersunk hole in glass)

Cap Mount  
(Standard hole through glass)

The Swivel Head Fitting also employs our special Combination Glass Attachment design so it can be used for 'flush' mounting for a smooth exterior surface when the glass is fabricated with a countersunk hole. This same Fitting can be used for the 'cap' type of mounting when using the supplied adaptor washer. This requires just a standard hole in the glass.



Flush mount glass fabrication \*



Cap mount glass fabrication

CAT. NO.	FINISH
HSF14BS	Brushed Stainless
HSF14PS	Polished Stainless

Minimum order: 1 each.

\* We suggest when using the flush mount method that you give your glass fabricator a sample Flush Mount Glass Attachment to ensure a proper flush fit.

## CRL Replacement Gasket Set for Rigid Glass Attachment

CAT. NO.	FINISH
RRF14RW	Black Plastic

Minimum order: 1 each.



## CRL Replacement Gasket Set for Swivel Glass Attachment

CAT. NO.	FINISH
RSF14RW	Black Plastic

Minimum order: 1 each.



## CRL Replacement Stud Set for Post Mounted Spider Fittings

CAT. NO.	FINISH
M16SET	Stainless Steel

Minimum order: 1 each.



## CRL Replacement Stud Set for Fin Mounted Spider Fittings

CAT. NO.	FINISH
M10SETBS	Brushed Stainless
M10SETPS	Polished Stainless

Minimum order: 1 each.



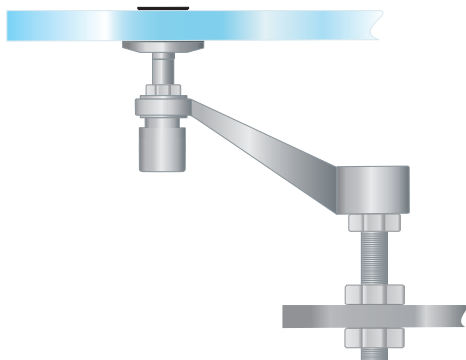
## CRL Single Arm Heavy-Duty Post Mount Fitting

- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Post or Column



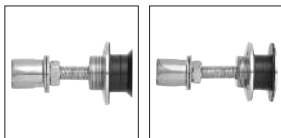
This Single Arm Fitting is used to attach a single glass panel to a structural end post. Comes with a 16 mm x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z611 for Replacement Stud Set.

For companion fitting use Cat. No. PMH2BS or PMH2PS Fittings.

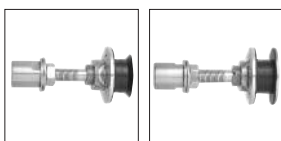


Glass Attachments Below Must Be Ordered Separately (See page Z611)

### Rigid Type

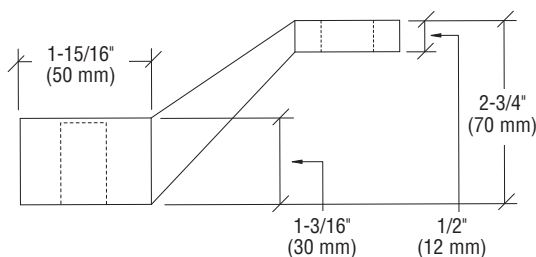
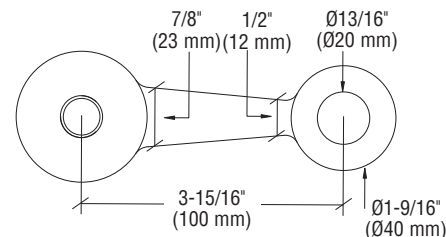


### Swivel Type



CAT. NO.	FINISH
PMH1BS	Brushed Stainless
PMH1PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.



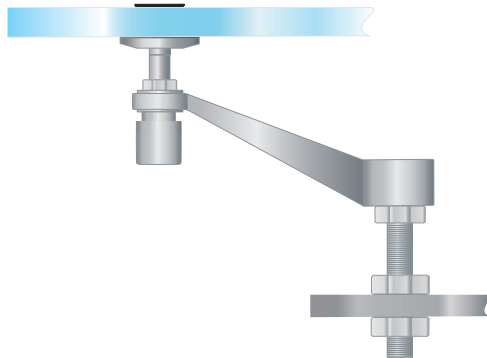
## CRL Single Long Arm Heavy-Duty Post Mount Fitting

- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Post or Column



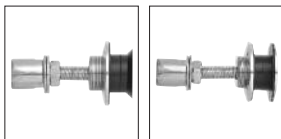
This Long Arm Fitting is used to attach a single glass panel to structural end post and match over "V" fitting arms. Comes with 16 mm x 99.5 mm (3-7/8") stainless steel threaded stud and matching nuts with washers. See page Z611 for Replacement Stud Set.

For companion fitting use Cat. No. PMH2VBS, PMH2VPS, PMH3BS, PMH3PS, PMH4BS or PMH4PS Fittings.

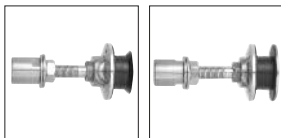


Glass Attachments Below Must Be Ordered Separately (See page Z611)

### Rigid Type

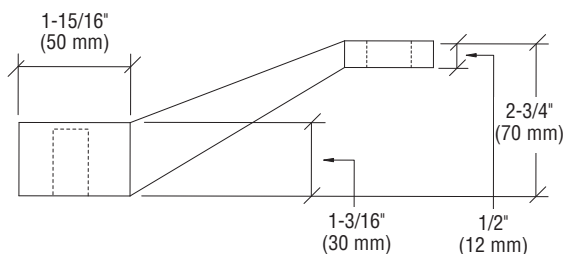
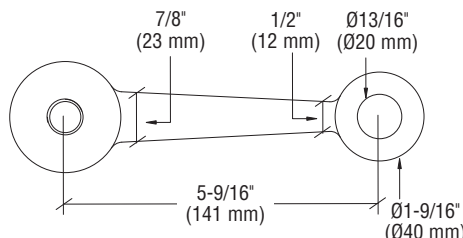


### Swivel Type



CAT. NO.	FINISH
PMH1LBS	Brushed Stainless
PMH1LPS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.





## CRL Double Arm Heavy-Duty Post Mount Fitting

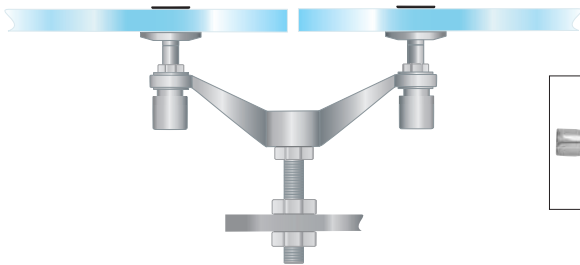
- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Post or Column



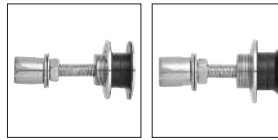
This Double Arm Fitting is used to attach two inline glass panels to a structural center post. Comes with 16 mm x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z611 for Replacement Stud Set.

For companion fitting use Cat. No. PMH1BS or PMH1PS Fittings.

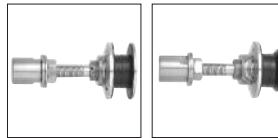
Glass Attachments Below Must Be Ordered Separately (See page Z611)



### Rigid Type

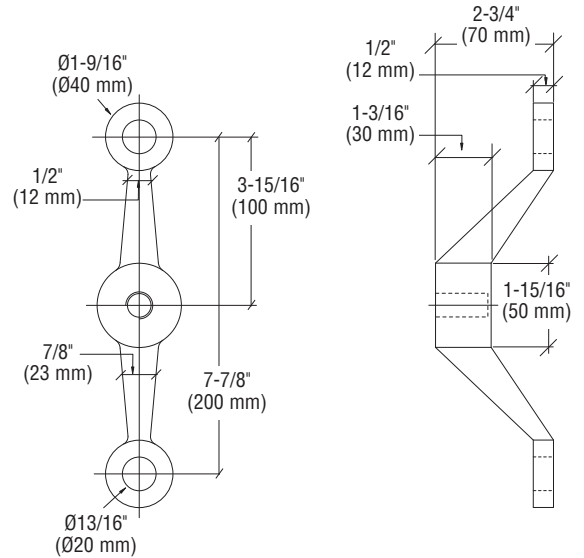


### Swivel Type



CAT. NO.	FINISH
PMH2BS	Brushed Stainless
PMH2PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.



## CRL Double Arm "V" Heavy-Duty Post Mount Fitting

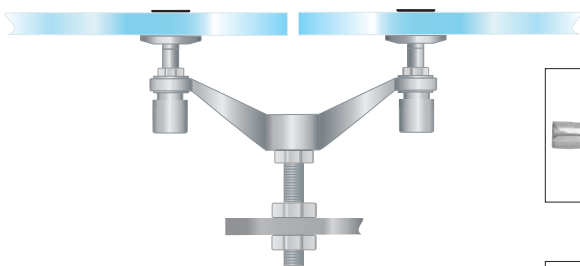
- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Post or Column



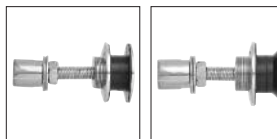
This Post Mount Fitting is used to attach a single glass panel to a structural end post, or two inline glass panels to a structural center post. Comes with 16 mm x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z611 for Replacement Stud Set.

For companion fitting, use Cat. No. PMH1LBS, PMH1LPS, PMH3BS, PMH3PS, PMH4BS or PMH4PS Fittings.

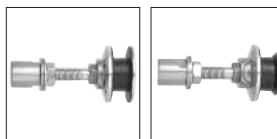
Glass Attachments Below Must Be Ordered Separately (See page Z611)



### Rigid Type

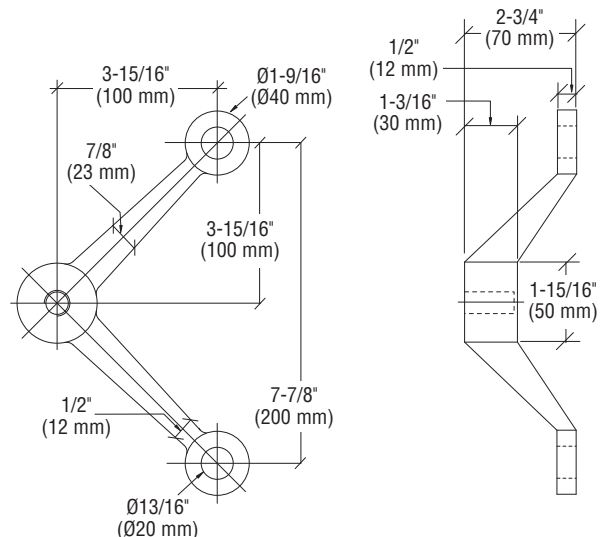


### Swivel Type



CAT. NO.	FINISH
PMH2VBS	Brushed Stainless
PMH2VPS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.



# CRL HEAVY-DUTY SPIDER FITTINGS

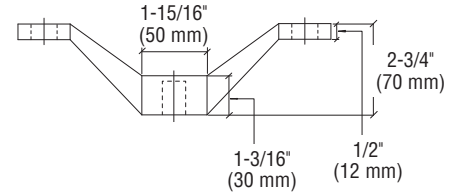
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## CRL Three Arm Heavy-Duty Post Mount Fitting

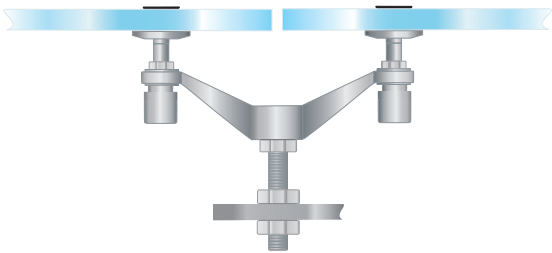
- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Post or Column

This Three Arm Fitting is used to attach three inline glass panels to a structural center post where they abut to a soffit corner. Comes with 16 mm x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z611 for Replacement Stud Set.

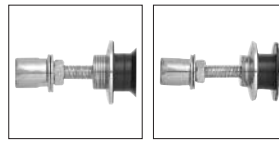
For companion fittings use Cat. No. PMH1LBS, PMH1LPS, PMH2VBS, PMH2BVPS, PMH4BS, or PMH4PS Fittings.



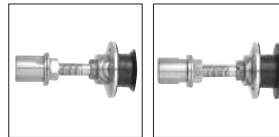
Glass Attachments Below Must Be Ordered Separately (See page Z611)



### Rigid Type

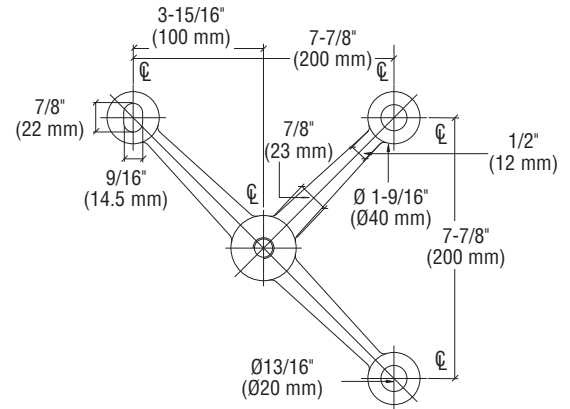


### Swivel Type



CAT. NO.	FINISH
PMH3BS	Brushed Stainless
PMH3PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

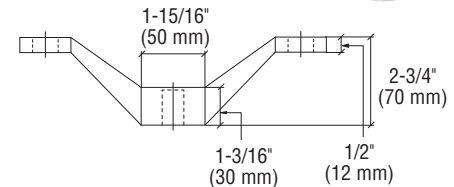


## CRL Four Arm Heavy-Duty Post Mount Fitting

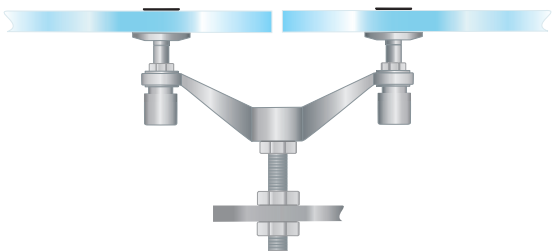
- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Post or Column

This Four Arm Fitting is used to attach two inline glass panels to a structural center post. Comes with 16 mm x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z611 for Replacement Stud Set.

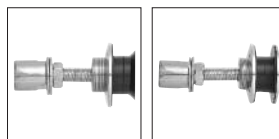
For companion fittings use Cat. No. PMH1LBS, PMH1LPS, PMH2VBS, PMH2VPS, PMH3BS or PMH3PS Fittings.



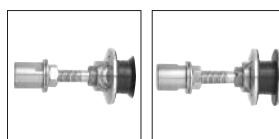
Glass Attachments Below Must Be Ordered Separately (See page Z611)



### Rigid Type

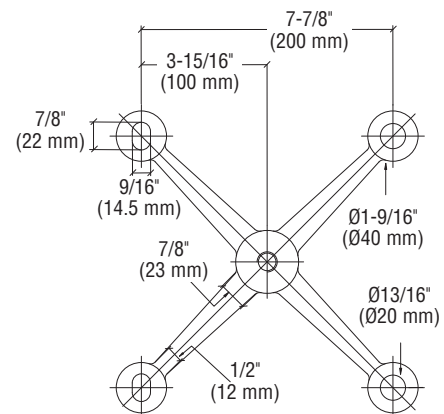


### Swivel Type



CAT. NO.	FINISH
PMH4BS	Brushed Stainless
PMH4PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.



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crlaurence.co.uk

crlaurence.de

# CRL HEAVY-DUTY SPIDER FITTINGS

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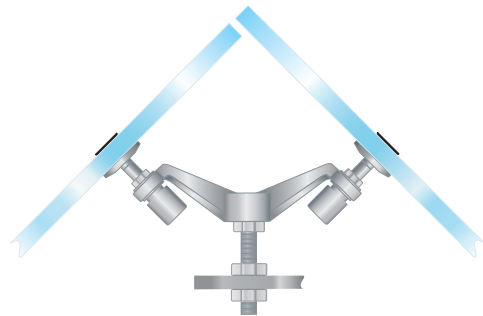
## CRL Double Arm "V" 90 Degree Heavy-Duty Post Mount Fitting

- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Post or Column



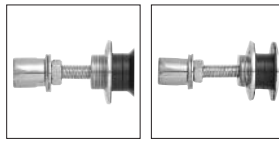
This Double Arm Fitting is used to attach two 90 degree glass panels at the top or bottom of a structural corner post. Comes with 16 mm x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z611 for Replacement Stud Set.

For companion fitting use Cat. No. PMH490BS or PMH490PS Fittings.

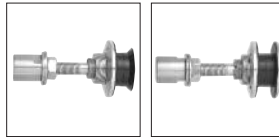


Glass Attachments Below Must Be Ordered Separately (See page Z611)

### Rigid Type

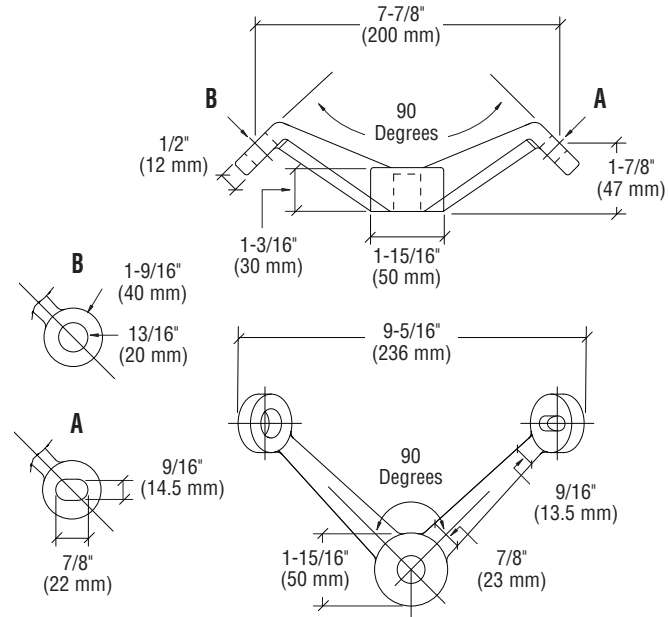


### Swivel Type



CAT. NO.	FINISH
PMH2V90BS	Brushed Stainless
PMH2V90PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.



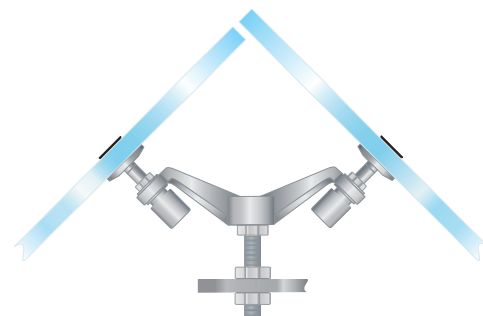
## CRL 4-Way Arm 90 Degree Heavy-Duty Post Mount Fitting

- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Post or Column



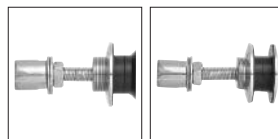
This Four Arm Fitting is used to attach two 90 degree glass panels in the middle to a structural corner post. Comes with 16 mm x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z611 for Replacement Stud Set.

For companion fitting use Cat. No. PMH2V90BS or PMH2V90PS Fittings.

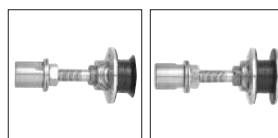


Glass Attachments Below Must Be Ordered Separately (See page Z611)

### Rigid Type

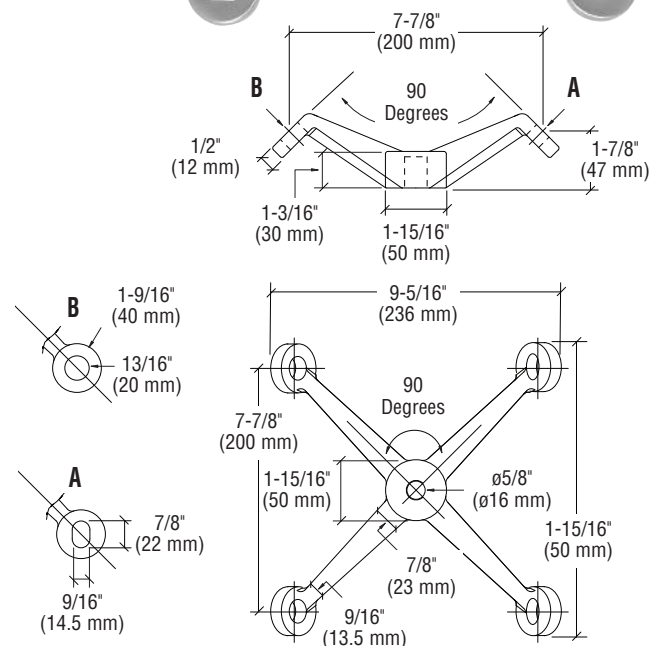


### Swivel Type



CAT. NO.	FINISH
PMH490BS	Brushed Stainless
PMH490PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.





# CRL HEAVY-DUTY SPIDER FITTINGS

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## CRL Single Arm Heavy-Duty Wall/Fin Mount Fitting

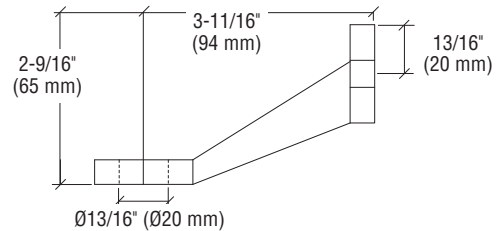
- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Wall or Structural Fin

This Fitting is used to attach a single glass panel to a wall or structural fin. Comes with two 10 mm x 59 mm (2-5/16") stainless steel threaded studs and two matching cap nuts with washers. See page Z611 for Replacement Stud Set.

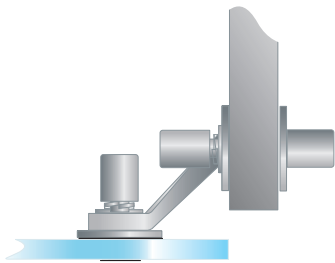
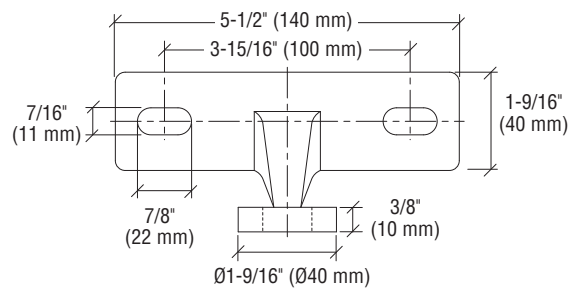
For companion fitting use Cat. No. FMH2BS or FMH2PS Fittings.



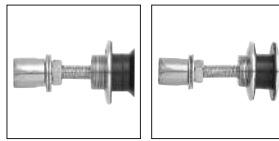
Glass Attachments Below Must Be Ordered Separately (See page Z611)



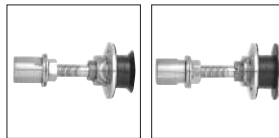
Top View Measurements (See Below)



Rigid Type



Swivel Type



CAT. NO.	FINISH
FMH1BS	Brushed Stainless
FMH1PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

## CRL Double Arm Heavy-Duty Wall/Fin Mount Fitting

- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Wall or Structural Fin

Use this Double Arm Fitting to attach two inline glass panels to a structural fin. Comes with two 10 mm x 59 mm (2-5/16") stainless steel threaded studs and two matching cap nuts with washers. See page Z611 for Replacement Stud Set.

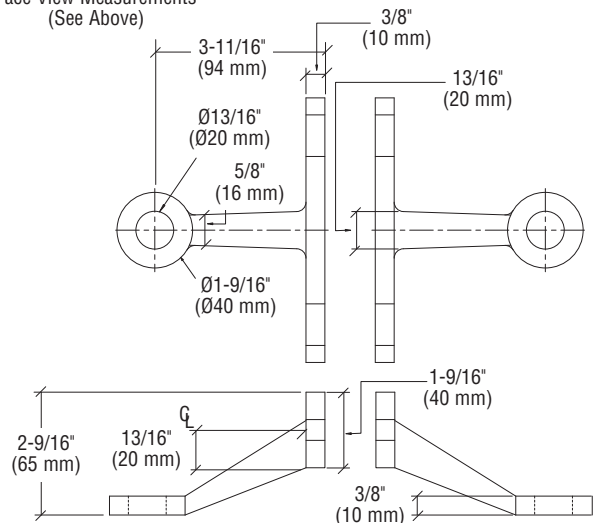
For companion fitting use Cat. No. FMH1BS or FMH1PS Fittings.



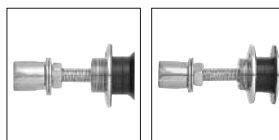
Glass Attachments Below Must Be Ordered Separately (See page Z611)



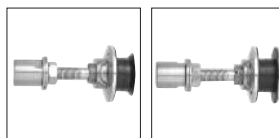
Face View Measurements (See Above)



Rigid Type



Swivel Type



CAT. NO.	FINISH
FMH2BS	Brushed Stainless
FMH2PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.



C.R. LAURENCE COMPANY

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Z616 |

crlaurence.ca

crlaurence.com.au

crlaurence.co.uk

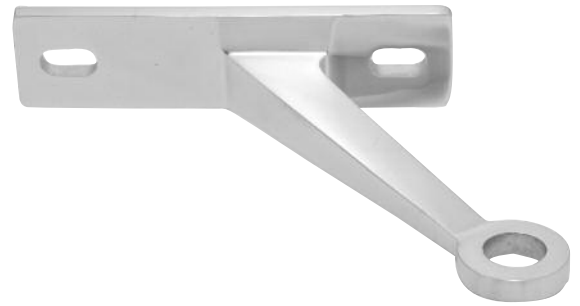
crlaurence.de

# CRL HEAVY-DUTY SPIDER FITTINGS

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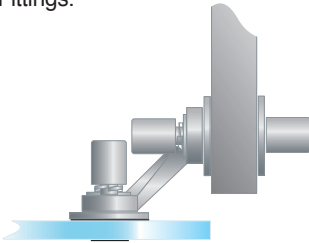
## CRL L.H. Single Arm Heavy-Duty Wall/Fin Mount Fitting

- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Wall or Structural Fin



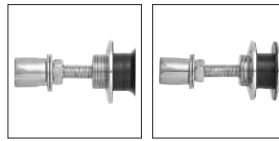
This Fitting is used to attach a single glass panel to a wall or structural glass fin. Comes with two 10 mm x 59 mm (2-5/16") stainless steel threaded studs and two matching cap nuts with washers. See page Z611 for Replacement Stud Set.

For companion fittings use Cat. No. FMH1RHBS, FMH1RHPS, FMH2VBS, FMH2VPS, FMH4BS or FMH4PS Fittings.

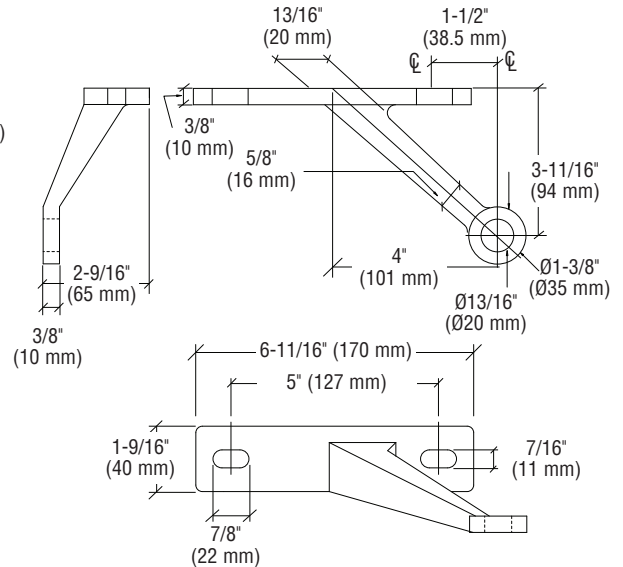
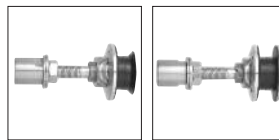


Glass Attachments Below Must Be Ordered Separately (See page Z611)

### Rigid Type



### Swivel Type

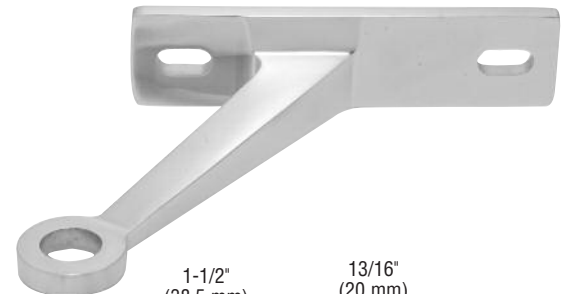


CAT. NO.	FINISH
FMH1LHBS	Brushed Stainless
FMH1LHPS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

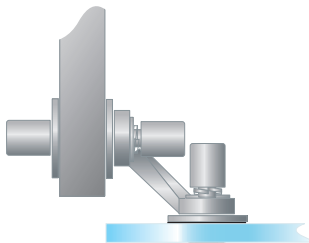
## CRL R.H. Single Arm Heavy-Duty Wall/Fin Mount Fitting

- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Wall or Structural Fin



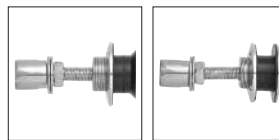
This Fitting is used to attach a single glass panel to a wall or structural glass fin. Comes with two 10 mm x 59 mm (2-5/16") stainless steel threaded studs and two matching cap nuts with washers. See page Z611 for Replacement Stud Set.

For companion fittings use Cat. No. FMH1RHBS, FMH1RHPS, FMH2VBS, FMH2VPS, FMH4BS or FMH4PS Fittings.

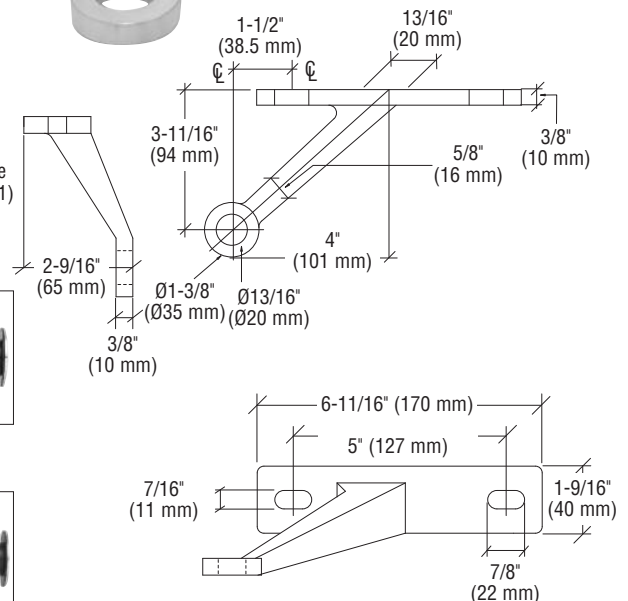
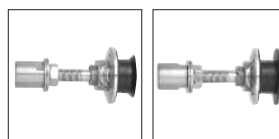


Glass Attachments Below Must Be Ordered Separately (See page Z611)

### Rigid Type



### Swivel Type



CAT. NO.	FINISH
FMH1RHBS	Brushed Stainless
FMH1RHPS	Polished Stainless

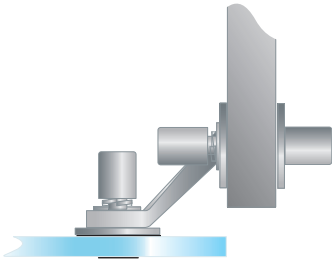
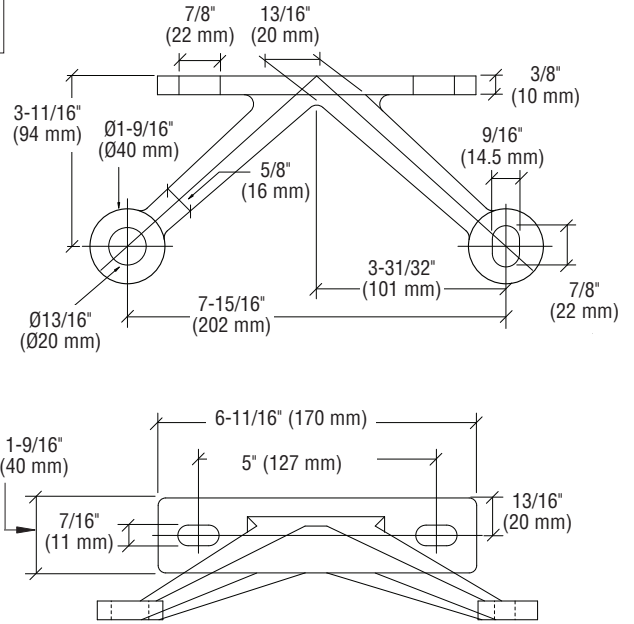
Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

## CRL Double Arm "V" Heavy-Duty Wall/Fin Mount Fitting

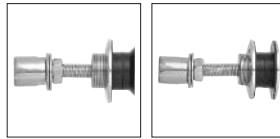
- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Wall or Structural Fin

This Fitting is used to attach a single glass panel to a wall or structural fin. Comes with two 10 mm x 59 mm (2-5/16") stainless steel threaded studs and two matching cap nuts with washers. See page Z611 for Replacement Stud Set.

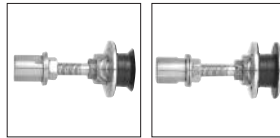
For companion fittings use Cat. No. FMH1LHBS, FMH1LHPS, FMH1RHBS, FMH1RHPS, FMH4BS or FMH4PS Fittings. Glass Attachments Below Must Be Ordered Separately (See page Z611)



Rigid Type



Swivel Type



CAT. NO.	FINISH
FMH2VBS	Brushed Stainless
FMH2VPS	Polished Stainless

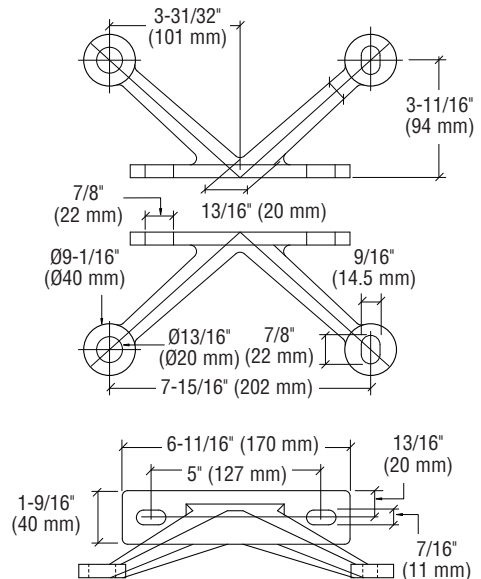
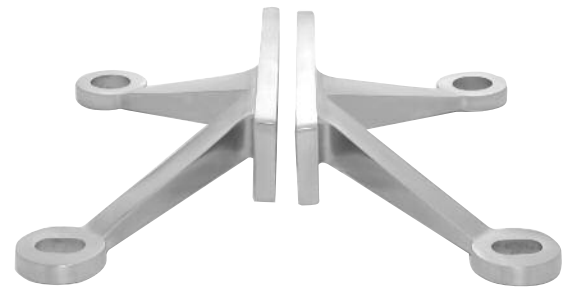
Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

## CRL Four Arm "V" Heavy-Duty Wall/Fin Mount Fitting

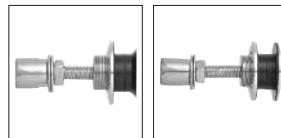
- For Use With Glass Up to 1-1/16" (27 mm)
- Complete With Hardware to Mount to Wall or Structural Fin

Use this Four Arm Fitting to attach two inline glass panels to a structural center fin. Comes with two 10 mm x 59 mm (2-5/16") stainless steel threaded studs and four matching cap nuts with washers. See page Z611 for Replacement Stud Set.

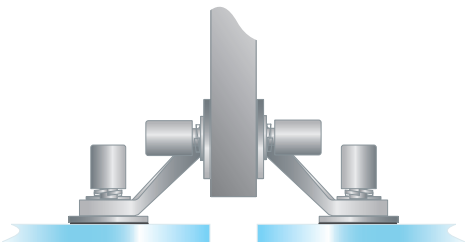
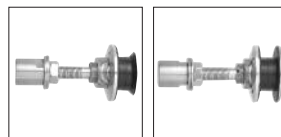
For companion fittings use Cat. No. FMH1LHBS, FMH1LHPS, FMH1RHBS, FMH1RHPS, FMH2VBS or FMH2VPS Fittings.



Rigid Type



Swivel Type



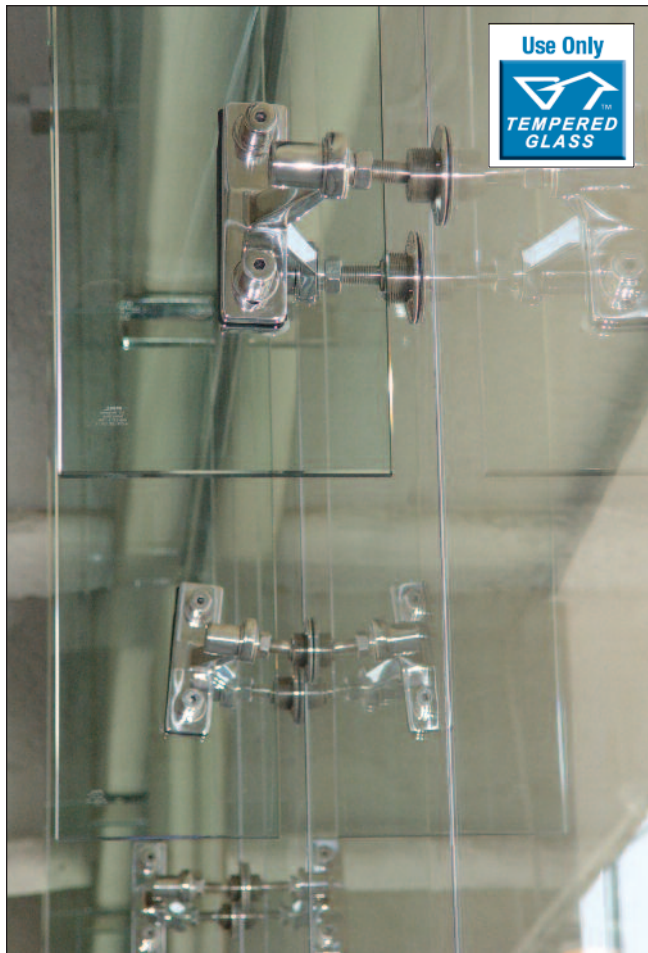
CAT. NO.	FINISH
FMH4BS	Brushed Stainless
FMH4PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.



# CRL REGULAR DUTY AND MINI SPIDER FITTINGS

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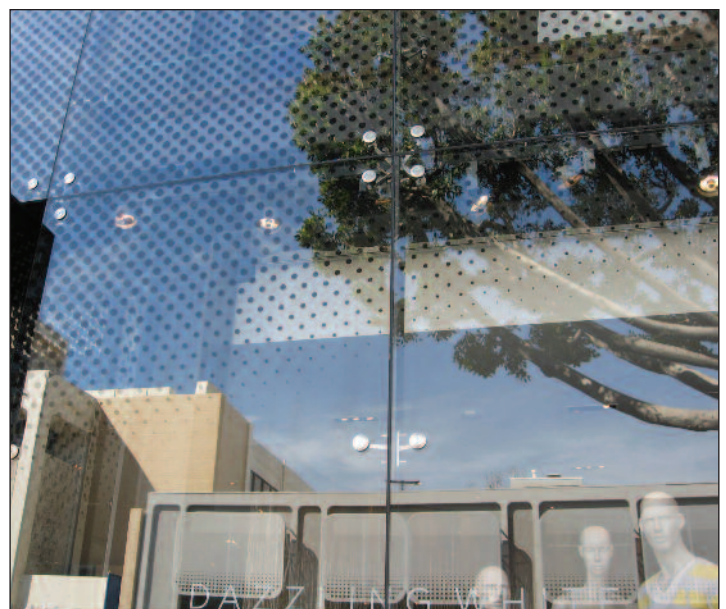
- For Use With 3/8" or 1/2" (10 or 12 mm) Tempered Glass
- Spiders for Mounting to Posts, Walls or Fins
- Designed for the 'All-Glass' Look
- New Combination Glass Attachments – Same Attachment Can Be Used for Flush Mount or Cap Mount Applications – Rigid Head and Swivel Head Styles Available
- Made of 316 Alloy Stainless Steel in Two Attractive Finishes: Brushed or Polished

Our line of Regular Duty Spider Fittings can be used for 3/8" to 1/2" (10 to 12 mm) glass walls and canopies. Our Mini Spider Fittings are for use in interior dividers, displays, and hand railing applications. CRL now stocks fourteen designs of Regular Duty Spiders and nine designs of Mini Spider Fittings that can be incorporated into these systems. We have one, two, and four arm fittings that can be mounted to railing posts, structural walls or fins.

We offer two types of Combination Glass Attachments that can be used for any of these fittings. The Rigid Combination Attachment can be used for both countersunk (flush) mounting and cap (standard hole) mounting. This rigid head fastener would be used in areas where movement of the glass (deflection) needs to be minimized. The Swivel Combination Attachment can also be used for both countersunk (flush) mounting and cap (standard hole) mounting. This swivel head fastener allows for six degrees of rotation in any direction, which can be used in segmented radius applications or in areas where the glass will get a small amount of dynamic loading.

All CRL Spider Fittings and Glass Attachments are made of 316 Alloy Stainless Steel to provide a virtually maintenance free design and a beautiful finish to complement most any décor.

For more information or a quote on your next project, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 (International). Ask for Extension 7700. You can also send e-mail by logging on to [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



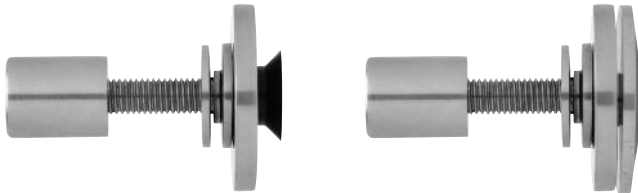
**NOTE:** Either the Rigid Head or Swivel Head Combination Glass Attachments can be used with all Regular Duty or Mini Spider Fittings.

## CRL Rigid Head Combination Glass Attachment

- For Use With 3/8" to 1/2" (10 to 12 mm) Tempered Glass

Rigid Head Attachments allow for a secure attachment, and minimize the deflection of the glass panels. This type of Fitting is typically used only for interior applications.

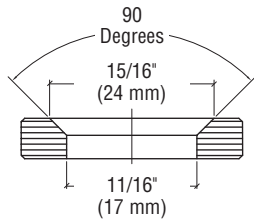
One Fitting for Either Flush or Surface Mount Installations



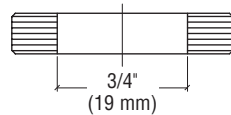
Flush Mount  
(Countersunk hole in glass)

Cap Mount  
(Standard hole through glass)

Our special Rigid Head Combination Glass Attachment Fittings can be used for 'flush' mounting for a smooth exterior surface when the glass is fabricated with a countersunk hole. This same Fitting can be used for the 'cap' type of mounting when using the supplied adaptor washer. This requires just a standard hole in the glass.



Flush mount glass fabrication \*



Cap mount glass fabrication

CAT. NO.	FINISH
<b>RRF10BS</b>	Brushed Stainless
<b>RRF10PS</b>	Polished Stainless

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

\* We suggest when using the flush mount method that you give your glass fabricator a sample Flush Mount Glass Attachment to ensure a proper flush fit.

## CRL Swivel Head Combination Glass Attachment

- For Use With 3/8" to 1/2" (10 to 12 mm) Tempered Glass

The head of the Swivel Glass Attachment can tilt up to six degrees in any direction on its ball and socket joint. This allows for any stress applied to the glass to be more evenly distributed across the entire panel of glass rather than concentrating at the hole. These are typically used in conditions where the glass will be subject to live loads.

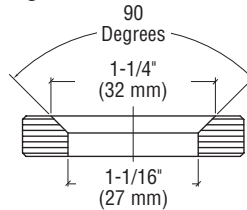
One Fitting for Either Flush or Surface Mount Installations



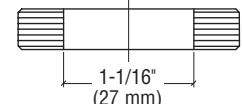
Flush Mount  
(Countersunk hole in glass)

Cap Mount  
(Standard hole through glass)

The Swivel Head Fitting also employs our special Combination Glass Attachment design so it can be used for 'flush' mounting for a smooth exterior surface when the glass is fabricated with a countersunk hole. This same Fitting can be used for the 'cap' type of mounting when using the supplied adaptor washer. This requires just a standard hole in the glass.



Flush mount glass fabrication \*



Cap mount glass fabrication

CAT. NO.	FINISH
<b>RSF10BS</b>	Brushed Stainless
<b>RSF10PS</b>	Polished Stainless

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

\* We suggest when using the flush mount method that you give your glass fabricator a sample Flush Mount Glass Attachment to ensure a proper flush fit.

## CRL Replacement Gasket Set for Rigid Glass Attachment

CAT. NO.	FINISH
<b>RRF10RW</b>	Black Plastic

Minimum order: 1 each.



## CRL Replacement Gasket Set for Swivel Glass Attachment

CAT. NO.	FINISH
<b>RSF10RW</b>	Black Plastic

Minimum order: 1 each.



## CRL Replacement Stud Set for Post Mounted Spider Fittings

CAT. NO.	FITTING TYPE	FINISH
<b>M16SET</b>	Regular	Stainless Steel
<b>M14SET</b>	Mini	Stainless Steel

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



## CRL Replacement Stud Set for Fin Mounted Spider Fittings

CAT. NO.	FINISH
<b>M10SETBS</b>	Brushed Stainless
<b>M10SETPS</b>	Polished Stainless

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



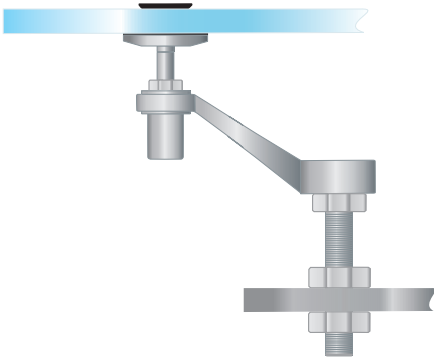
## CRL Single Arm Regular Duty Post Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Post or Column



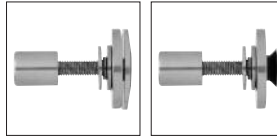
This Single Arm Fitting is used to attach a single glass panel to a structural end post. Comes with a M16-2.0 x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. PMR2BS or PMR2PS Fittings.

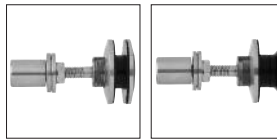


Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type

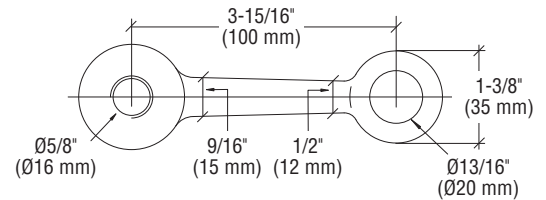
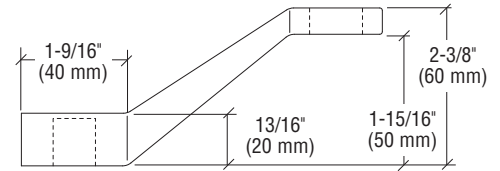


### Swivel Type



CAT. NO.	FINISH
PMR1BS	Brushed Stainless
PMR1PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.



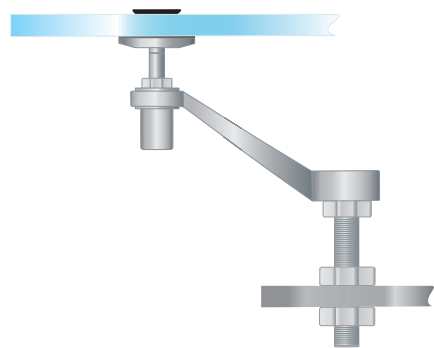
## CRL Single Long Arm Regular Duty Post Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Post or Column



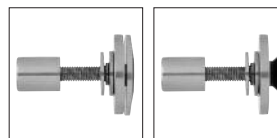
This Long Arm Fitting is used to attach a single glass panel to a structural end post and match other "V" fitting arms. Comes with a M16-2.0 x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. PMR2VBS, PMR2VPS, PMR3BS, PMR3PS, PMR4BS or PMR4PS Fittings.

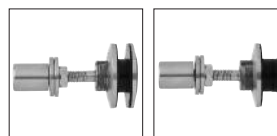


Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type

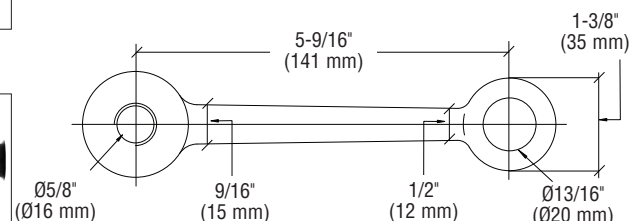
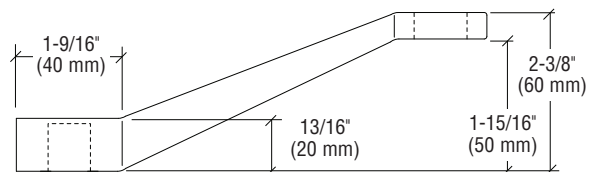


### Swivel Type



CAT. NO.	FINISH
PMR1LBS	Brushed Stainless
PMR1LPS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.





# CRL REGULAR DUTY SPIDER FITTINGS

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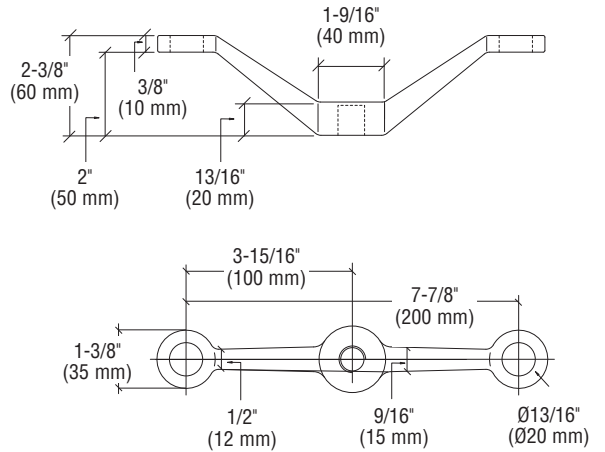
## CRL Double Arm Regular Duty Post Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Post or Column



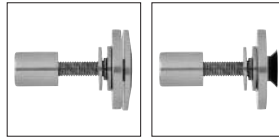
This Double Arm Fitting is used to attach two inline glass panels to a structural center post. Comes with a M16-2.0 x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. PMR1BS or PMR1PS Fittings.

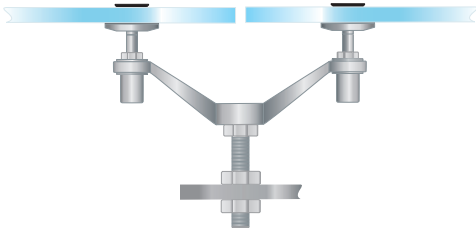
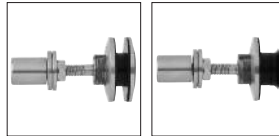


Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type



### Swivel Type



CAT. NO.	FINISH
PMR2BS	Brushed Stainless
PMR2PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

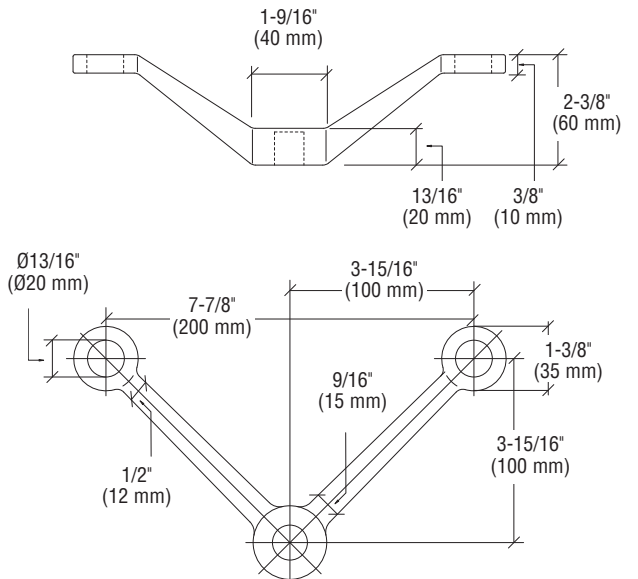
## CRL Double Arm "V" Regular Duty Post Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Post or Column



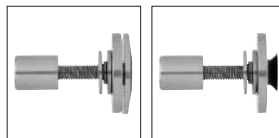
This Post Mount Fitting is used to attach a single glass panel to a structural end post or two inline glass panels to structural center post. Comes with a M16-2.0 x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. PMR1LBS or PMR1LPS Fittings.

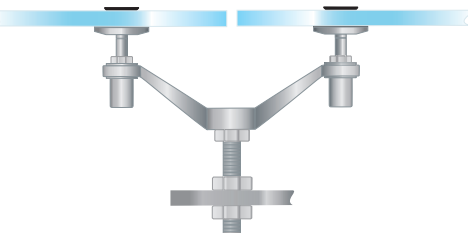
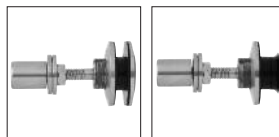


Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type



### Swivel Type



CAT. NO.	FINISH
PMR2VBS	Brushed Stainless
PMR2VPS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.



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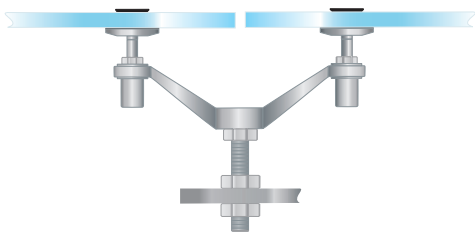
crlaurence.com

## CRL Three Arm Regular Duty Post Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Post or Column

This Three Arm Fitting is used to attach three inline glass panels to a structural center post where they abut to an opening. Comes with a M16-2.0 x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. PMR1LBS, PMR1LPS, PMR2VBS, PMR2VPS, PMR4BS or PMR4PS Fittings.



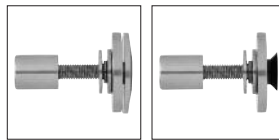
CAT. NO.	FINISH
PMR3BS	Brushed Stainless
PMR3PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

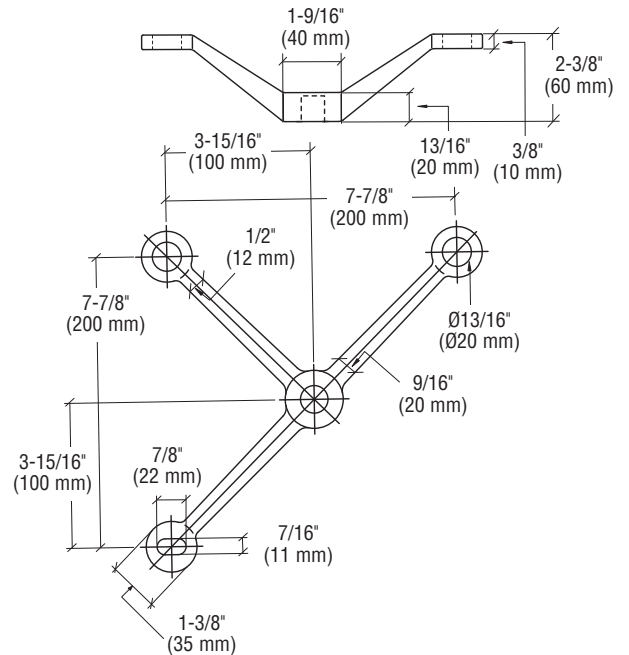
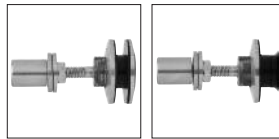


Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type



### Swivel Type

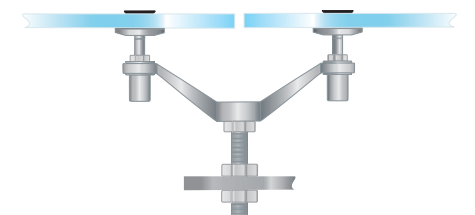


## CRL Four Arm Regular Duty Post Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Post or Column

This Four Arm Fitting is used to attach two inline glass panels to a structural center post. Comes with a M16-2.0 x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. PMR1LBS, PMR1LPS, PMR2VBS, PMR2VPS, PMR3BS or PMR3PS Fittings.



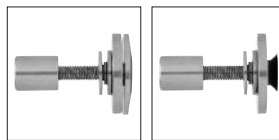
CAT. NO.	FINISH
PMR4BS	Brushed Stainless
PMR4PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

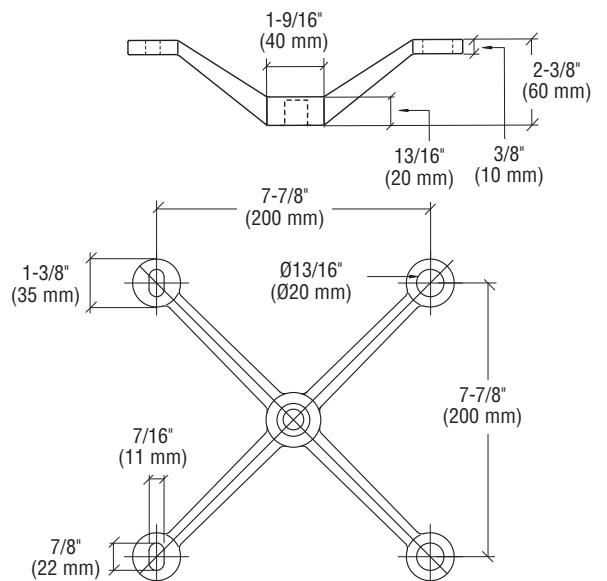
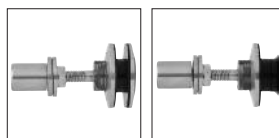


Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type



### Swivel Type



# CRL REGULAR DUTY SPIDER FITTINGS

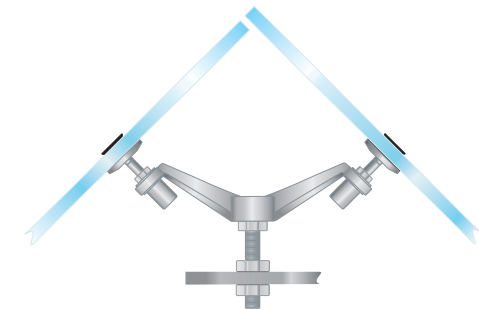
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## CRL Double Arm "V" 90 Degree Regular Duty Post Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Post or Column

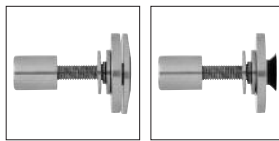
This Double Arm Fitting is used to attach two 90 degree glass panels at the top or bottom of a structural corner post. Comes with a M16-2.0 x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. PMR490BS or PMR490PS Fittings.

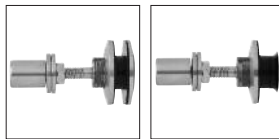


Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type

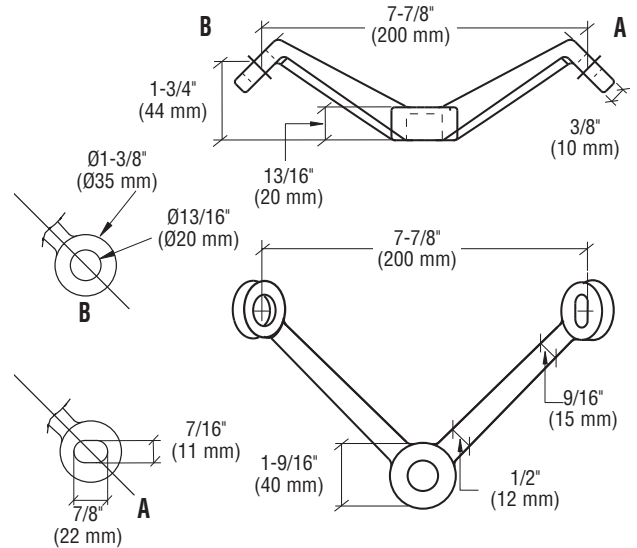


### Swivel Type



CAT. NO.	FINISH
PMR2V90BS	Brushed Stainless
PMR2V90PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

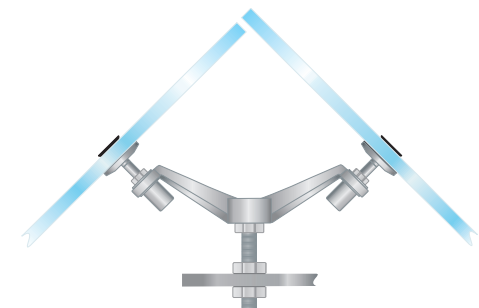
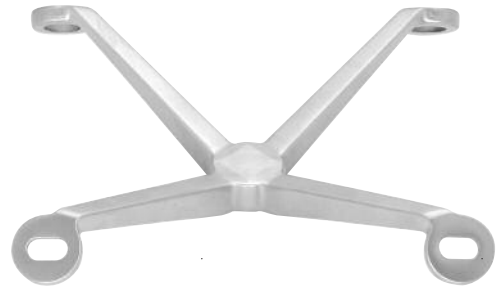


## CRL Four Arm 90 Degree Regular Duty Post Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Post or Column

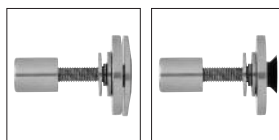
This Four Arm Fitting is used to attach two 90 degree glass panels in the middle to a structural corner post. Comes with a M16-2.0 x 99.5 mm (3-7/8") stainless steel threaded stud and three matching nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. PMR2V90BS or PMR2V90PS Fittings.

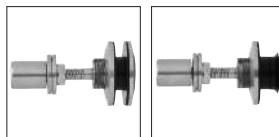


Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type

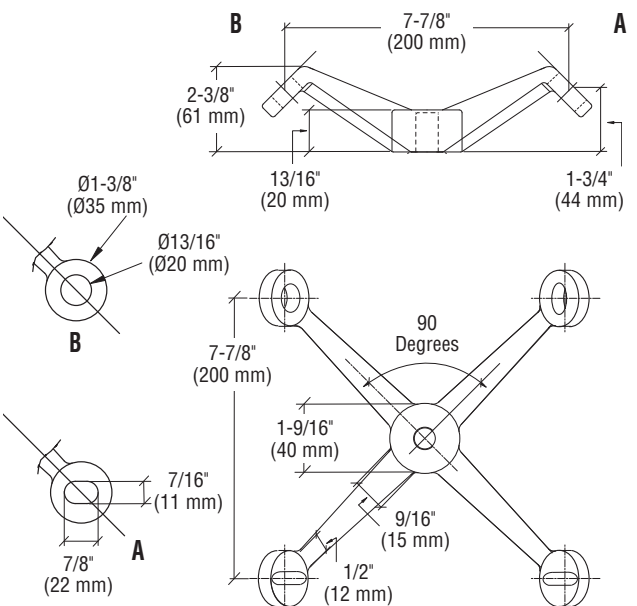


### Swivel Type



CAT. NO.	FINISH
PMR490BS	Brushed Stainless
PMR490PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.



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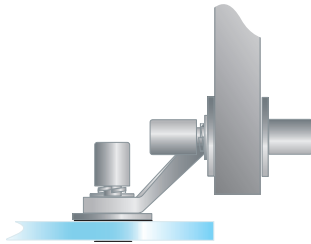
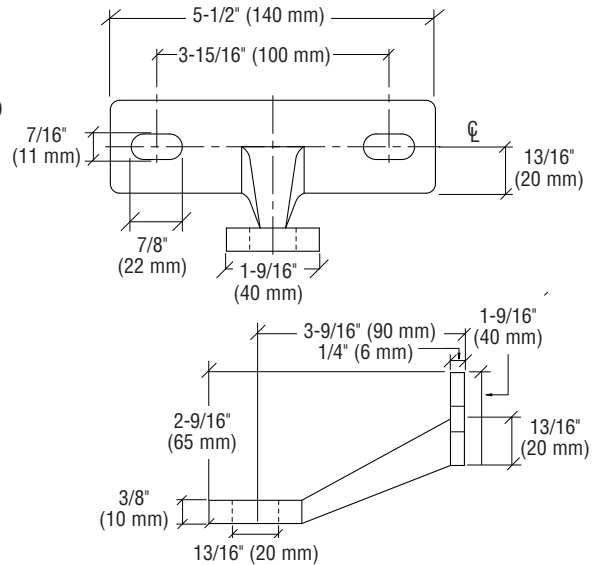


## CRL Single Arm Regular Duty Wall/Fin Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Wall or Structural Fin

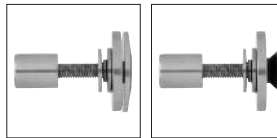
This Fitting is used to attach a single glass panel to a wall or structural fin. Comes with two M10-1.5 x 59 mm (2-5/16") stainless steel threaded studs and two matching cap nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. FMR2BS or FMR2PS Fittings.

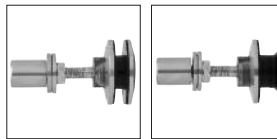


Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type



### Swivel Type



CAT. NO.	FINISH
FMR1BS	Brushed Stainless
FMR1PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

## CRL Double Arm Regular Duty Wall/Fin Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Wall or Structural Fin

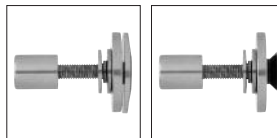
Use this Double Arm Fitting to attach two inline glass panels to a structural fin. Comes with two M10-1.5 x 59 mm (2-5/16") stainless steel threaded studs and two matching cap nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. FMR1BS or FMR1PS Fittings.

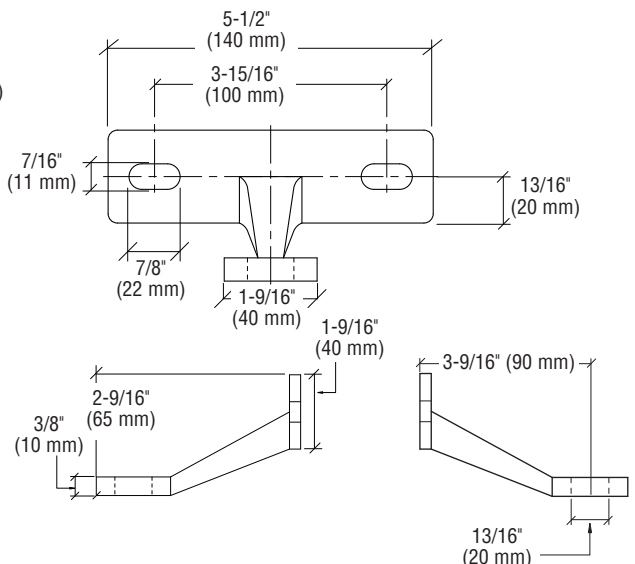
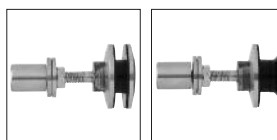


Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type



### Swivel Type



CAT. NO.	FINISH
FMR2BS	Brushed Stainless
FMR2PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

## CRL L.H. Single Arm Regular Duty Wall/Fin Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Wall or Structural Fin

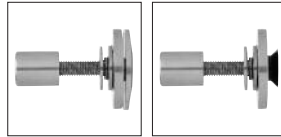
This fitting is used to attach a single glass panel to a wall or structural glass fin. Comes with two 10 mm x 59 mm (2-5/16") stainless steel threaded studs and two matching cap nuts with washers. See page Z620 for Replacement Stud Set.

For companion fittings use Cat.No. FMR1RHBS, FMR1RHPS, FMR2VBS, FMR2VPS, FMR4BS or FMR4PS Fittings.

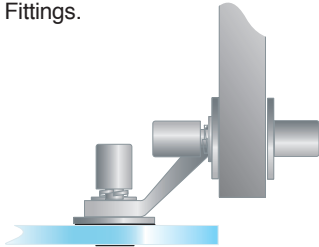
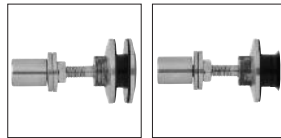


Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type

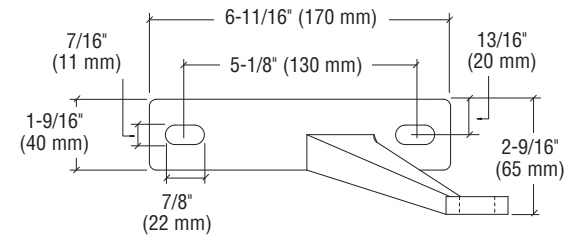
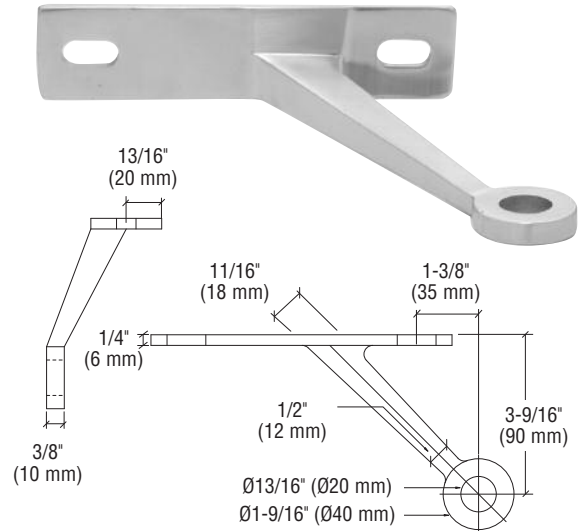


### Swivel Type



CAT. NO.	FINISH
FMR1LHBS	Brushed Stainless
FMR1LHPS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.



## CRL R.H. Single Arm Regular Duty Wall/Fin Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Wall or Structural Fin

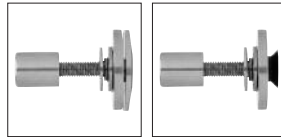
This fitting is used to attach a single glass panel to a wall or structural glass fin. Comes with two 10 mm x 59 mm (2-5/16") stainless steel threaded studs and two matching cap nuts with washers. See page Z620 for Replacement Stud Set.

For companion fittings use Cat. No. FMR1LHBS, FMR1LHPS, FMR2VBS, FMR2VPS, FMR4BS or FMR4PS Fittings.

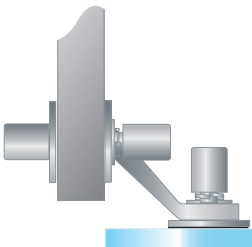
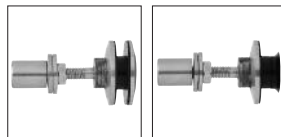


Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type

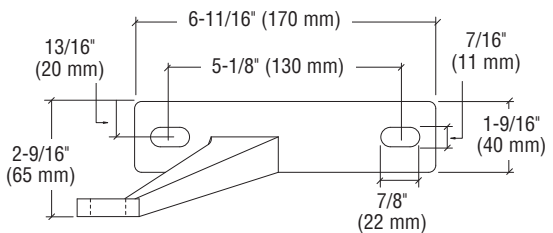
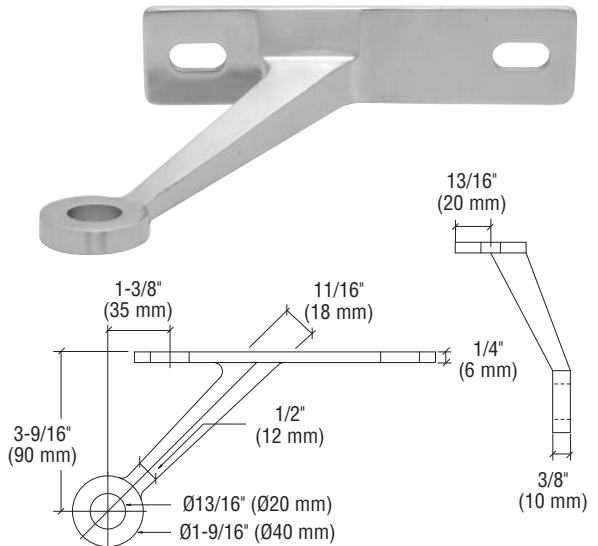


### Swivel Type



CAT. NO.	FINISH
FMR1RHBS	Brushed Stainless
FMR1RHPS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.



# CRL REGULAR DUTY SPIDER FITTINGS

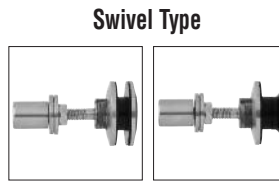
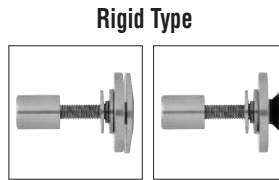
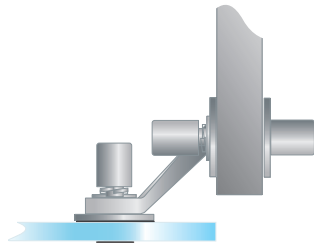
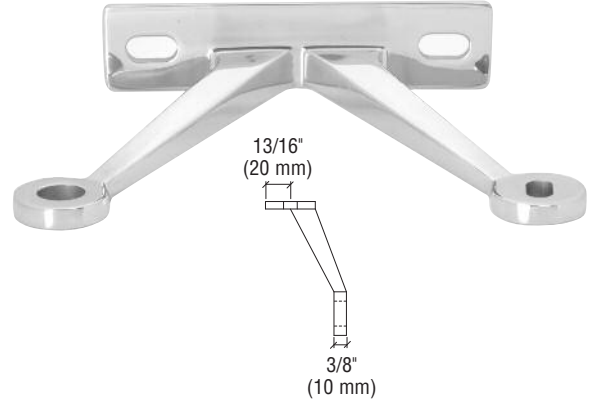
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## CRL Double Arm "V" Regular Duty Wall/Fin Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Wall or Structural Fin

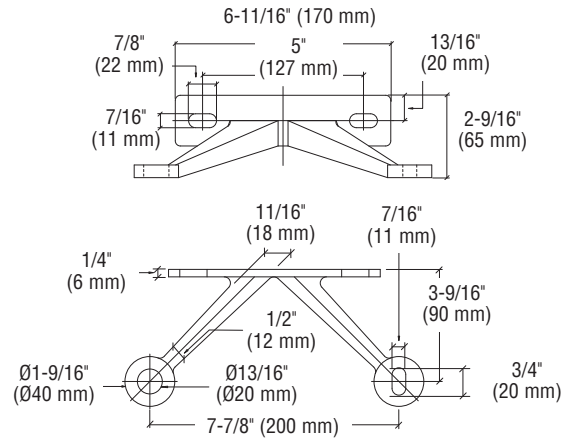
This Fitting is used to attach a single glass panel to a wall or structural fin. Comes with two 10 mm x 59 mm (2-5/16") stainless steel threaded studs and two matching cap nuts with washers. See page Z620 for Replacement Stud Set.

For companion fittings use Cat. No. FMR1LHBS, FMR1LHPS, FMR1RHBS, FMR1RHPS, FMR4BS or FMR4PS Fittings. Glass Attachments Below Must Be Ordered Separately (See page Z620)



CAT. NO.	FINISH
FMR2VBS	Brushed Stainless
FMR2VPS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

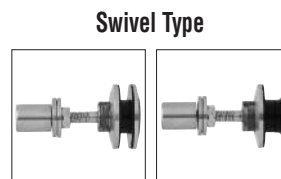
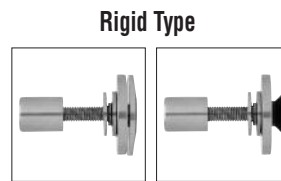
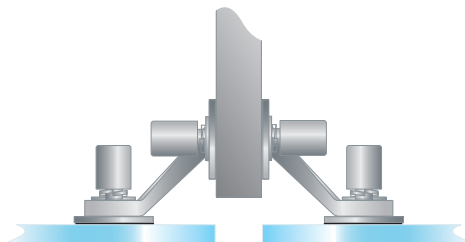
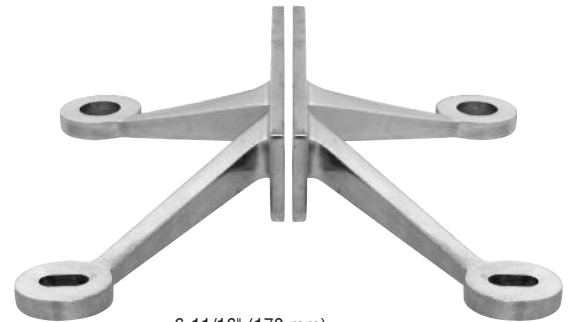


## CRL Four Arm "V" Regular Duty Wall/Fin Mount Fitting

- For Use With Glass Up to 1/2" (12 mm)
- Complete With Hardware to Mount to Wall or Structural Fin

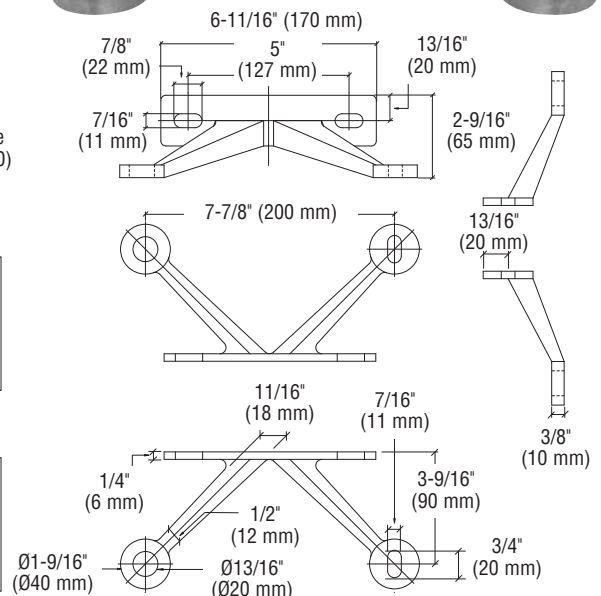
Use this Four Arm Fitting to attach two inline glass panels to a structural center fin. Comes with two 10 mm x 59 mm (2-5/16") stainless steel threaded studs and four matching cap nuts with washers. See page Z620 for Replacement Stud Set.

For companion fittings use Cat. No. FMR1LHBS, FMR1LHPS, FMR1RHBS, FMR1RHPS, FMR2VBS or FMR2VPS Fittings. Glass Attachments Below Must Be Ordered Separately (See page Z620)



CAT. NO.	FINISH
FMR4BS	Brushed Stainless
FMR4PS	Polished Stainless

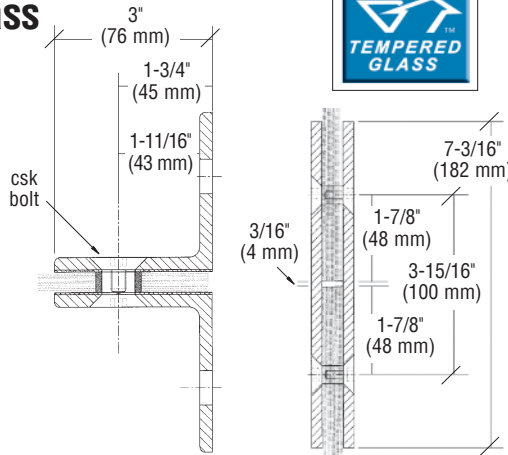
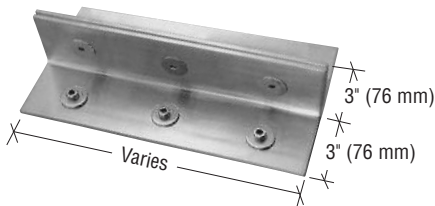
Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.





## CRL Fin Top/Bottom Shoe Fittings for 3/4" (19 mm) Glass

Fin Top/Bottom Shoe Fittings are used to connect the glass fins to the structure of the floor or ceiling.



### SPECIFICATIONS:

**For Use With:**  
3/4" (19 mm)  
Tempered Glass

**Do Not Use With:**  
Annealed or Raw  
Glass

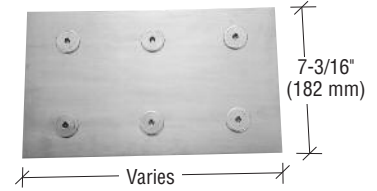
**Glass Fabrication Required:**  
One 7/8" (22 mm) Diameter  
Hole Per Glass Fastening

**Templates:**  
Available on Request  
for Each Fitting

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

## CRL Fin Splice Fittings for 3/4" (19 mm) Glass

Fin Splice Fittings are used to stack multiple pieces of glass to construct extra tall fins used to stabilize the glass facade.



CAT. NO.	FOR FIN SIZE	FINISH
<b>FSF12BS</b>	12" (305 mm)	Brushed Stainless
<b>FSF12PS</b>	12" (305 mm)	Polished Stainless
<b>FSF16BS</b>	16" (406 mm)	Brushed Stainless
<b>FSF16PS</b>	16" (406 mm)	Polished Stainless
<b>FSF20BS</b>	20" (508 mm)	Brushed Stainless
<b>FSF20PS</b>	20" (508 mm)	Polished Stainless
<b>FSF24BS</b>	24" (610 mm)	Brushed Stainless
<b>FSF24PS</b>	24" (610 mm)	Polished Stainless

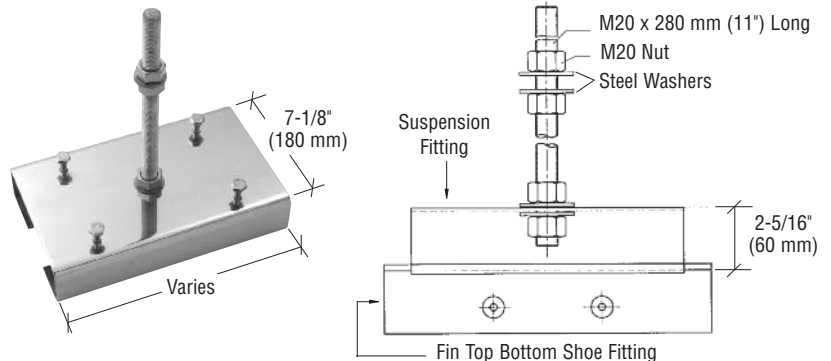
Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

## CRL Fin Suspension Fittings

Fin Suspension Fittings are used to hang the glass fins from the structure of the ceiling by the Fin Top/Bottom Shoe Fittings. No glass fabrication required.

CAT. NO.	FOR FIN SIZE	FINISH
<b>FSU12BS</b>	12" to 20" (305 to 508 mm)	Brushed Stainless
<b>FSU12PS</b>	12" to 20" (305 to 508 mm)	Polished Stainless
<b>FSU24BS</b>	24" (610 mm)	Brushed Stainless
<b>FSU24PS</b>	24" (610 mm)	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

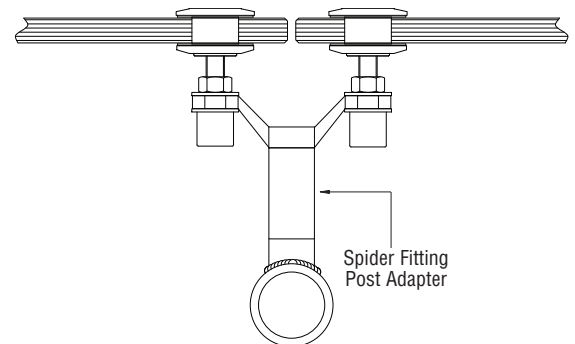


## CRL Spider Fitting Post Adapters (Custom Length)

**new**



- Available for Round or Flat Posts
- Custom Length to Your Specifications



Adapters are to be welded to Posts and are drilled and tapped to accept mounting hardware supplied with Spider Fittings. Available in two diameters 1-1/2" (38 mm) for Regular Duty, and 2" (51 mm) for Heavy-Duty Spider Fittings.

CAT. NO.	TYPE	DIAMETER	FINISH	LENGTH*
<b>AMS0B112CBS</b>	Regular Duty	1-1/2" (38 mm)	Brushed Stainless	Specify
<b>AMS0B112CPS</b>	Regular Duty	1-1/2" (38 mm)	Polished Stainless	Specify
<b>AMS0B2CBS</b>	Heavy-Duty	2" (51 mm)	Brushed Stainless	Specify
<b>AMS0B2CPS</b>	Heavy-Duty	2" (51 mm)	Polished Stainless	Specify

Minimum order: 1 each. \*Specify length at time of order.

# CRL SPIDER FITTINGS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover



## CRL Corner, Circular, and Link Brackets

### CRL 90 Degree Corner Bracket

Used to secure glass at 90 degree corners. Supplied with four rigid countersunk glass connecting screws.

CAT. NO.	FINISH
<b>CBP90BS</b>	Brushed Stainless
<b>CBP90PS</b>	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

### CRL 135 Degree Corner Bracket

Used to secure glass at 135 degree corners. Supplied with four rigid countersunk glass connecting screws.

CAT. NO.	FINISH
<b>CBP135BS</b>	Brushed Stainless
<b>CBP135PS</b>	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

### CRL 2-Way Glass / 1-Way Wall Circular Bracket

Used to link two inline panels of glass to a fin support behind. Used to connect one or two inline panels to a fin support, or when split apart they can be used to connect one panel to a wall. Supplied with two rigid countersunk glass connecting screws and one fin securing bolt.

CAT. NO.	FINISH
<b>CCB2BS</b>	Brushed Stainless
<b>CCB2PS</b>	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

### CRL 4-Way Glass / 2-Way Wall Circular Bracket

Used to link two or four inline panels of glass to a fin support behind. Used to connect two or four inline panels to a fin support, or when split apart they can be used to connect one or two panels to a wall. Supplied with four rigid countersunk glass connecting screws and two fin securing bolts.

CAT. NO.	FINISH
<b>CCB4BS</b>	Brushed Stainless
<b>CCB4PS</b>	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

### CRL Link Bracket

Used to connect two 1/2" (12 mm) inline glass panels together to reduce differential deflection. Supplied with two glass connecting screws.

#### SPECIFICATIONS:

##### For Use With:

1/2" (12 mm) Tempered Glass

##### Do Not Use With:

Annealed or Raw Glass

##### Glass Fabrication Required:

One Countersunk Hole Per Glass Fastening for Countersunk Screws (See Diagram at Right), or One 15/16" (23 mm) Standard Hole for Fin Securing Bolt

##### Templates:

Available on Request for Each Fitting

CAT. NO.	FINISH
<b>CLB1BS</b>	Brushed Stainless
<b>CLB1PS</b>	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

### CRL Stainless Steel Sex Bolt

Stainless Steel Sex Bolts are countersunk for use with Cat. No. FTF12, FTF16, FTF20, FTF24, FSF12, FSF16, FSF20, FSF24, and CLB1 Fittings and Brackets.

**new**

CAT. NO.	FINISH	QTY/BOX
<b>M8SBSS</b>	Brushed Stainless	10

Minimum order: 1 box.

## CRL Mini Spider Fittings

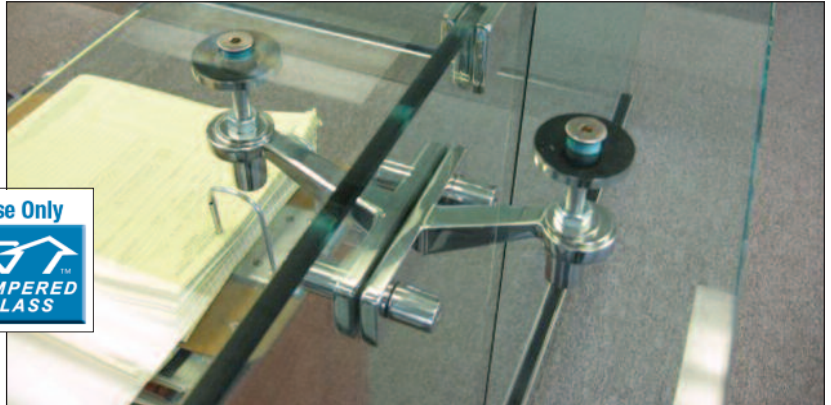
- Spiders for Mounting to Posts, Walls or Fins
- Reduced in Size for Interior Dividers, Displays, and Hand Railing Applications
- For Use With 3/8" or 1/2" (10 or 12 mm) Tempered Glass
- Designed for the 'All-Glass' Look
- Flush Mount or Cap Mount Glass Attachments, Rigid and Swivel Head Styles Available
- Made of 316 Alloy Stainless Steel in Two Attractive Finishes: Brushed or Polished

Our expanded line of Spider Fittings now includes Mini Spider Fittings for use in interior dividers, displays, and hand railing applications. CRL now stocks nine designs that can be incorporated into these systems. We have one, two, and four arm fittings that can be mounted to railing posts, structural walls or fins.

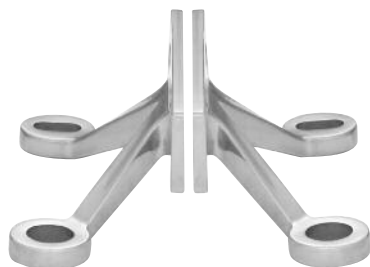
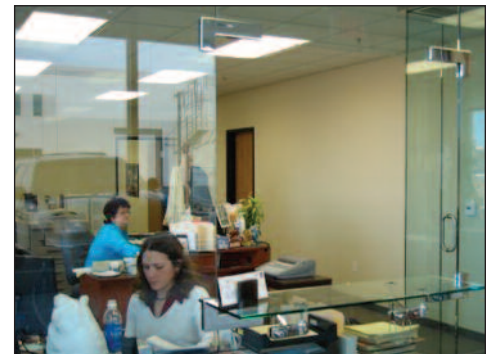
We offer two types of Combination Glass Attachments that can be used for any of these fittings. The Rigid Combination Attachment can be used for both countersunk (flush) mounting and cap (standard hole) mounting. This rigid head fastener would be used in areas where movement of the glass (deflection) needs to be minimized. The Swivel Combination Attachment can also be used for both countersunk (flush) mounting and cap (standard hole) mounting. This swivel head fastener allows for six degrees of rotation in any direction, which can be used in segmented radius applications or in areas where the glass will get a small amount of dynamic loading.

All CRL Spiders Fittings and Glass Attachments are made of 316 Alloy Stainless Steel to provide a virtually maintenance free design and a beautiful finish to complement most any décor.

For more information or a quote on your next project, 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 by logging on to [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



Only a Sample of Our Extensive Line...





## CRL Mini Spider Fittings

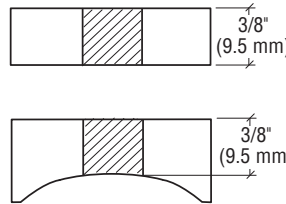
- Reduced in Size for Smaller Applications
- Designed for Use With 3/8" or 1/2" (10 or 12 mm) Tempered Glass
- Provides the Frameless Look for Interior Dividers, Displays or Hand Rails

The design possibilities using CRL Mini Spider Fittings are limitless. Any time you want to achieve the frameless 'all-glass' look there is a CRL Mini Spider Fitting to fit your needs.



## CRL Post Adapters

- Designed for Round or Flat Posts
- 3/8" (9.5 mm) Deep Threaded Hole to Provide for Proper Attachment Requirements for Spider Fitting to Post



CAT. NO.	FINISH	FOR USE ON
SPA01SS	Mill Stainless	Flat-Sided Posts
SPA02SS $\Delta$	Mill Stainless	Round Posts

Minimum order: 1 each.  $\Delta$  Use with 1-1/2" to 2" (38 to 51 mm) outside diameter posts.

Adapters are to be welded to Posts, and are drilled and tapped to accept mounting hardware supplied with Spider Fittings.

## CRL Single Arm Post Mount Fitting

- Compact Design for Minimal Obstruction
- Complete With Hardware to Mount to Post

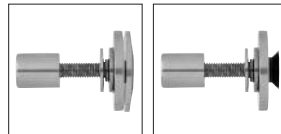


This Post Mount Fitting is used to attach a single glass panel to a structural end post. Comes with two types of attachment hardware: a M14-2 x 101 mm (4") stainless steel threaded stud with three matching nuts and washers; a M14-2 x 30.2 mm (1-3/16") stainless steel threaded stud for use with CRL Post Adapters shown above. See page Z620 for Replacement Stud Set.

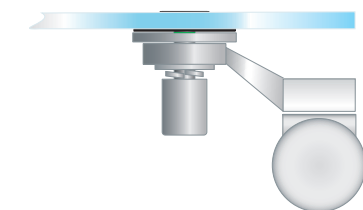
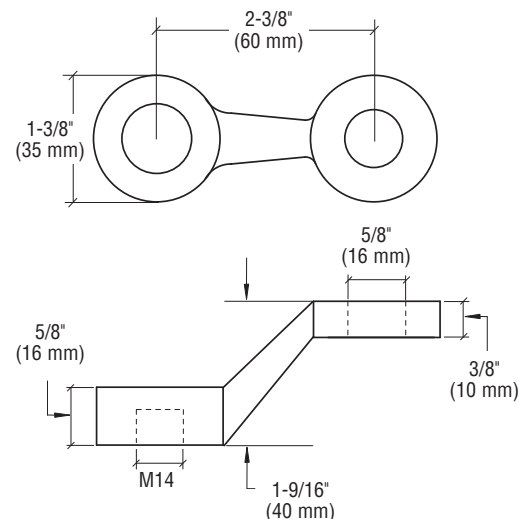
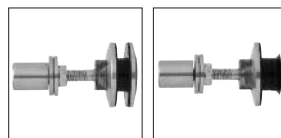
For companion fitting use Cat. No. GRP2BS or GRP2PS Fittings.

Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type



### Swivel Type



CAT. NO.	FINISH
GRP1BS	Brushed Stainless
GRP1PS	Polished Stainless

Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

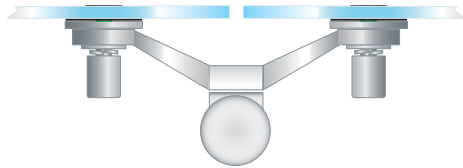
## CRL Double Arm Post Mount Fitting

- Compact Design for Minimal Obstruction
- Complete With Hardware to Mount to Post



This Post Mount Fitting is used to attach two inline glass panels to a structural center post. Comes with two types of attachment hardware: a M14-2 x 101 mm (4") stainless steel threaded stud with three matching nuts and washers; a M14-2 x 30.2 mm (1-3/16") stainless steel threaded stud for use with CRL Post Adapters shown on page Z631. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. GRP1BS or GRP1PS Fittings.

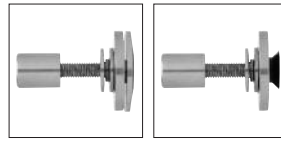


CAT. NO.	FINISH
GRP2BS	Brushed Stainless
GRP2PS	Polished Stainless

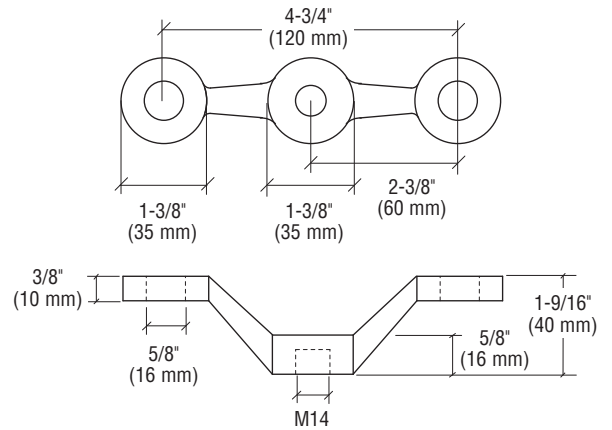
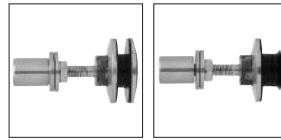
Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type



### Swivel Type



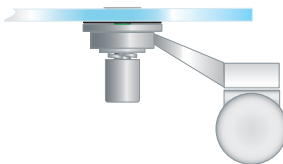
## CRL Single Long Arm Post Mount Fitting

- Longer Arm to Match "V" Fittings
- Complete With Hardware to Mount to Post



This Post Mount Fitting is used to attach a single glass panel to a structural end post. Comes with two types of attachment hardware: M14-2 x 101 mm (4") stainless steel threaded stud with three matching nuts and washers; a M14-2 x 30.2 mm (1-3/16") stainless steel threaded stud for use with CRL Post Adapters on page Z631. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. GRP2VBS, GRP2VPS, GRP4BS or GRP4PS Fittings.

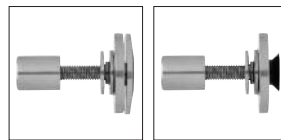


CAT. NO.	FINISH
GRP1LBS	Brushed Stainless
GRP1LPS	Polished Stainless

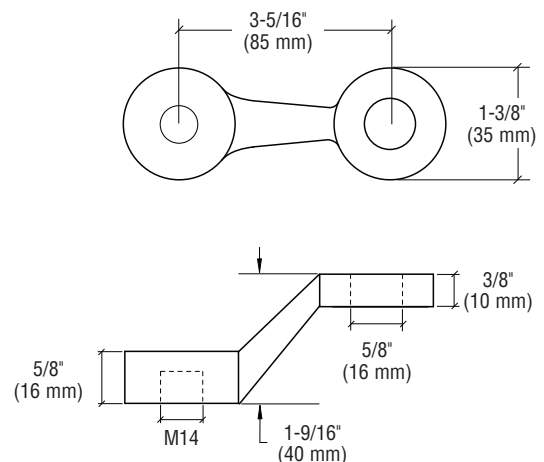
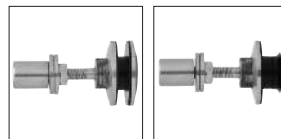
Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type



### Swivel Type





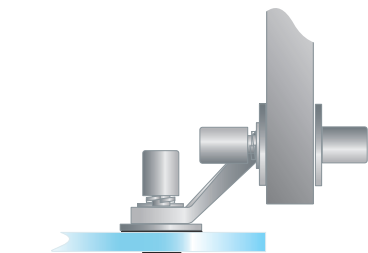
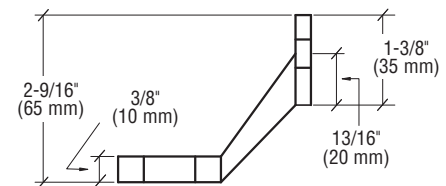
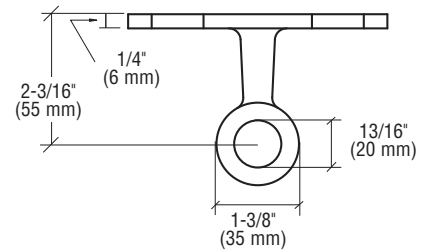
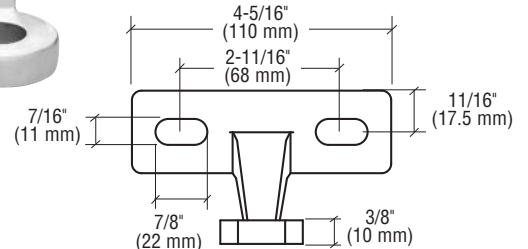
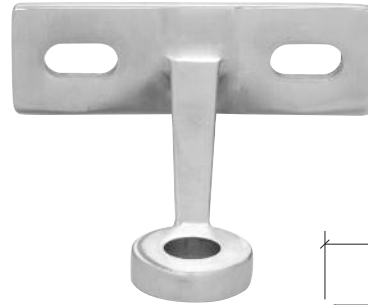


## CRL Single Arm Wall/Fin Mount Fitting

- Compact Design for Minimal Obstruction
- Complete With Hardware to Mount to Wall or Structural Fin

This Wall/Fin Mount Fitting is used to attach a single glass panel to a wall or structural fin. Comes with two M10-1.5 x 59 mm (2-5/16") stainless steel threaded studs and two matching cap nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. GRF2BS or GRF2PS Fittings.

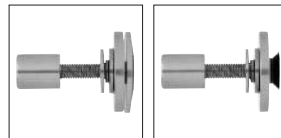


CAT. NO.	FINISH
GRF1BS	Brushed Stainless
GRF1PS	Polished Stainless

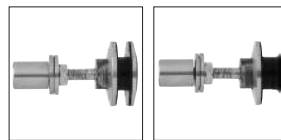
Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type



### Swivel Type

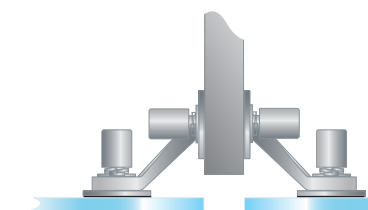
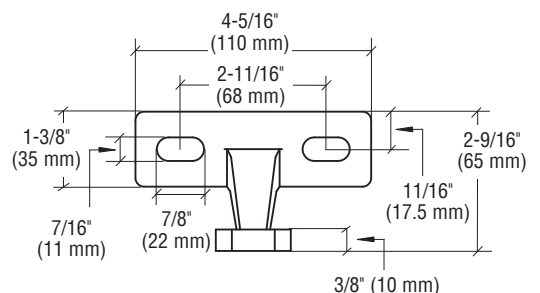
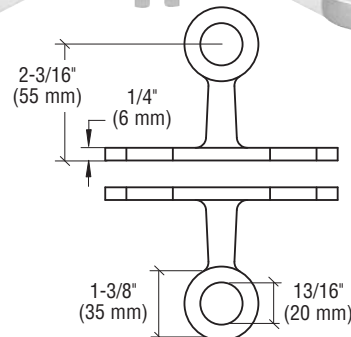


## CRL Double Arm Wall/Fin Mount Fitting

- Compact Design for Minimal Obstruction
- Complete With Hardware to Mount to Wall or Structural Fin

This Wall/Fin Mount Fitting is used to attach two inline glass panels to a structural fin. Comes with two M10-1.5 x 59 mm (2-5/16") stainless steel threaded studs and four matching cap nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. GRF1BS or GRF1PS Fittings.

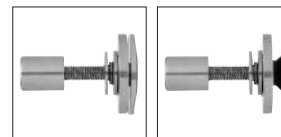


CAT. NO.	FINISH
GRF2BS	Brushed Stainless
GRF2PS	Polished Stainless

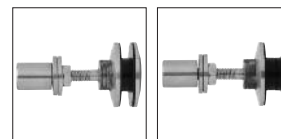
Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type



### Swivel Type

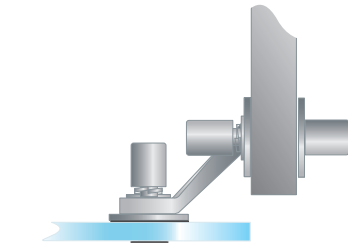
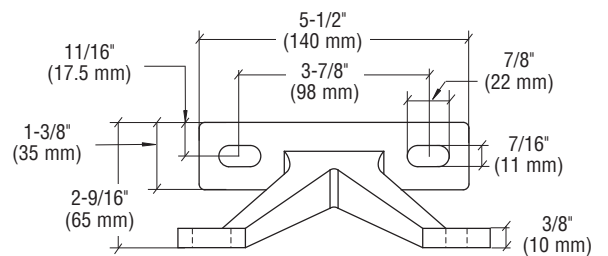
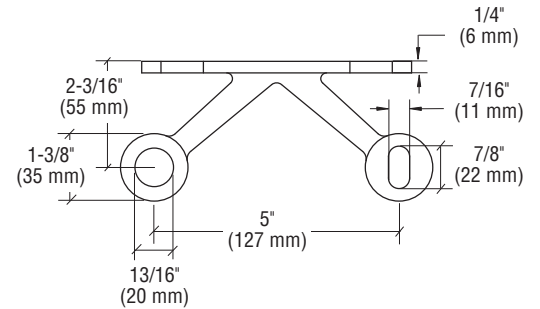


## CRL Double Arm "V" Wall/Fin Mount Fitting

- Classic "V" Look
- Complete With Hardware to Mount to Wall or Structural Fin

This Wall/Fin Mount Fitting is used to attach a single glass panel to a wall or structural fin. Comes with two M10-1.5 x 59 mm (2-5/16") stainless steel threaded studs and two matching cap nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. GRF4BS or GRF4PS Fittings.

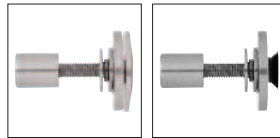


CAT. NO.	FINISH
GRF2VBS	Brushed Stainless
GRF2VPS	Polished Stainless

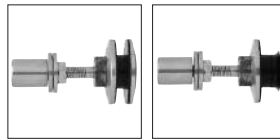
Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type



### Swivel Type

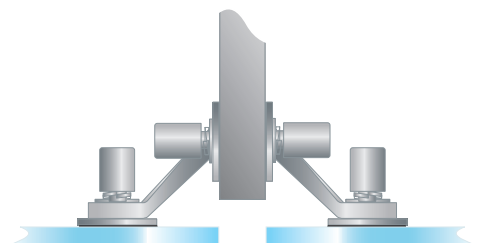
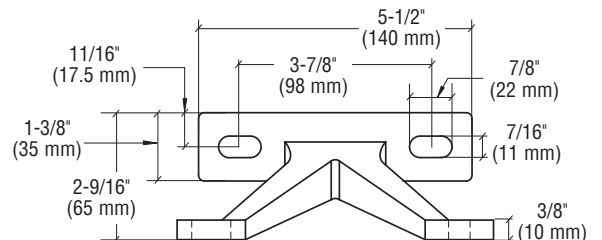
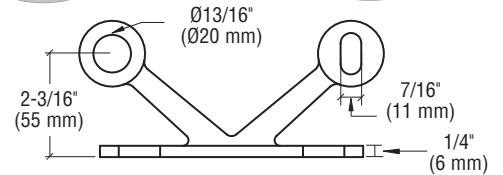
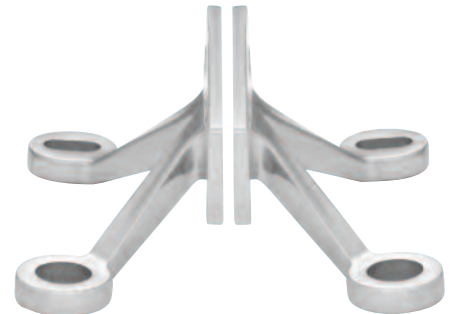


## CRL Four Arm "V" Wall/Fin Mount Fitting

- Classic "V" Look
- Complete With Hardware to Mount to Wall or Structural Fin

This Wall/Fin Mount Fitting is used to attach two inline glass panels to a structural center fin. Comes with two M10-1.5 x 59 mm (2-5/16") stainless steel threaded studs and four matching cap nuts with washers. See page Z620 for Replacement Stud Set.

For companion fitting use Cat. No. GRF2VBS or GRF2VPS Fittings.

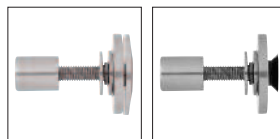


CAT. NO.	FINISH
GRF4BS	Brushed Stainless
GRF4PS	Polished Stainless

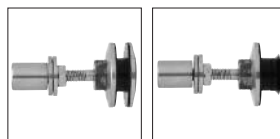
Minimum order: 1 each. All Spider Fittings can be combined for quantity pricing.

Glass Attachments Below Must Be Ordered Separately (See page Z620)

### Rigid Type



### Swivel Type



## CRL Standoff and Glass Connection Systems

### CRL's Family of Standoff Products Can Be Used Independently or Together to Create Unique Designs

C.R. Laurence has more than Standoffs. We offer a complete family of Standoff related products. From our standard line of Round and Square Standoffs, to Custom Standoffs, Cap Assemblies, Edge Grips, Slot Mount Standoffs, Accent Rings, Swivel Fittings, Framepegs, and Mounting Hardware, CRL has everything you will need to create innovative designs in architecture, store fixtures, signage, and furniture.

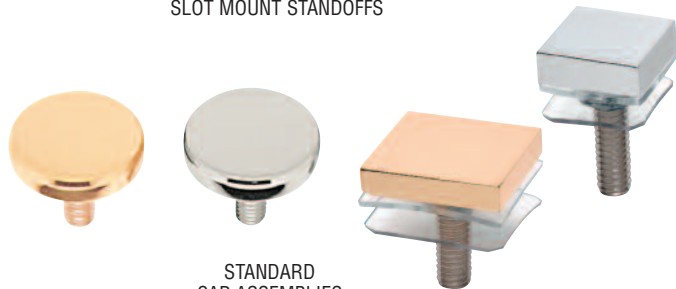
CRL's Standoff Display System provides architects and designers unlimited resources for retail store, commercial or restaurant applications. Most are available in Chrome, Brass, Brushed Stainless, Satin Chrome, and Gun Metal finishes. The following pages will provide the information you will require to select the perfect Standoff products for your project.



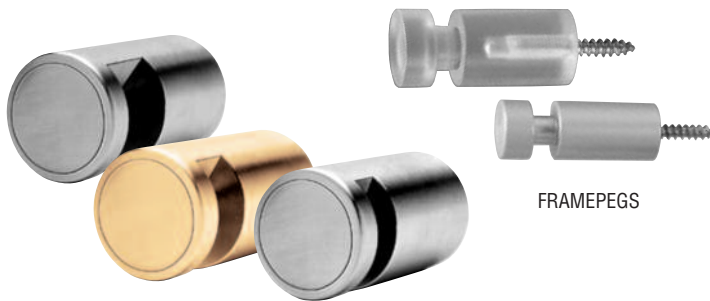
ROUND STANDOFF BASES



SLOT MOUNT STANDOFFS



STANDARD CAP ASSEMBLIES



FRAMEPEGS

SQUARE STANDOFF BASES

EDGE GRIPS



STANDOFF TUBE ADAPTORS



LOW PROFILE CAP ASSEMBLIES



ACCENT RINGS

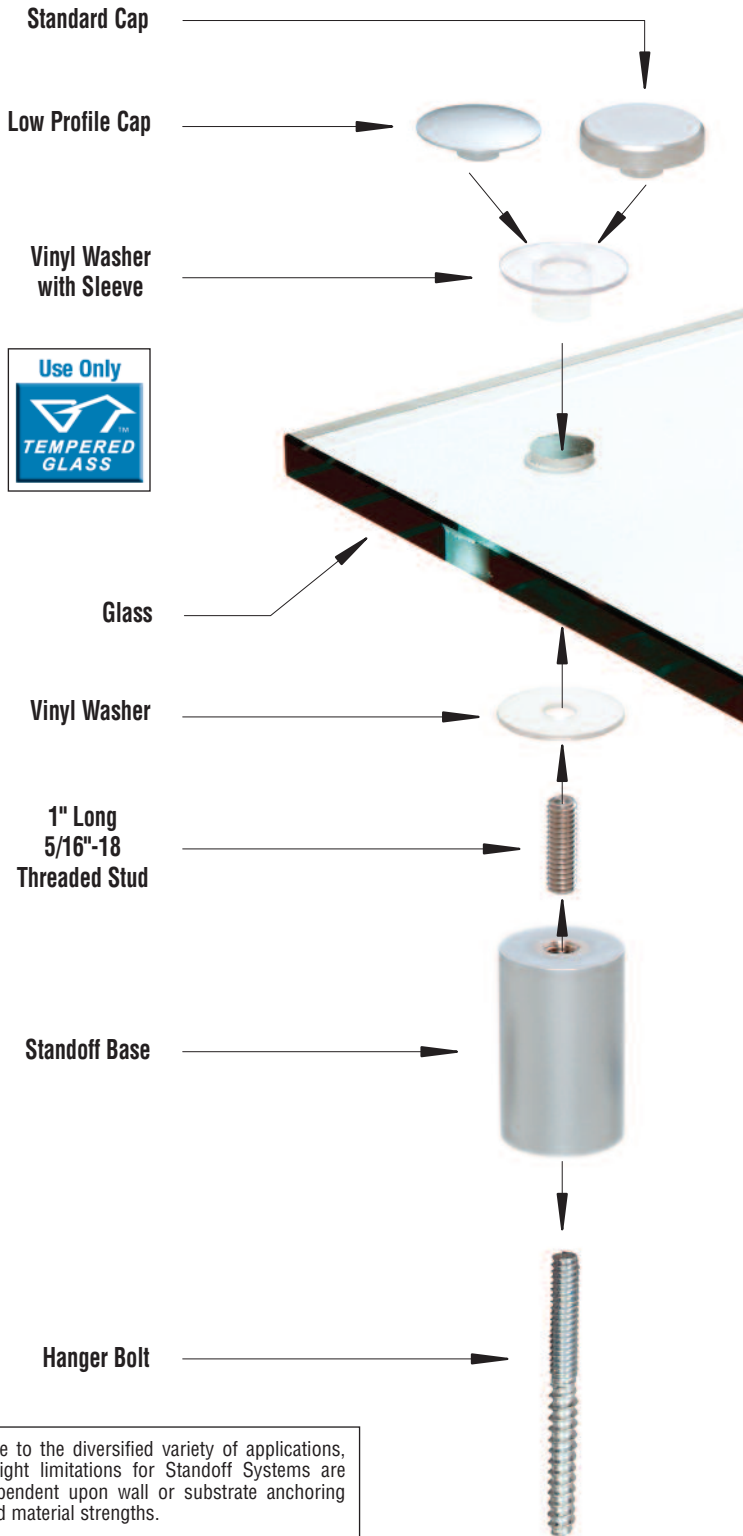


FLUSH MOUNT CAP ASSEMBLIES



## What Are Some of the Applications for CRL Standoff Systems?

### • Typical Installation for 1-1/4" (31.7 mm) Diameter Standoff Base and Cap



Due to the diversified variety of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

Standoffs and Cap Assemblies are used to create innovative designs in commercial, retail or residential environments by combining glass and metal to connect panels, display merchandise, to mount signage or artwork to a wall, or to build unique displays. Standoffs can also be used to elevate a glass top above a reception desk, cocktail or lamp table, kitchen counter or bathroom sink. The uses for CRL Standoffs are virtually limitless.



## Which CRL Standoff System Should I Use?

CRL provides the most diversified and complete selection of Standoff products available anywhere. Our 1/2" (12.7 mm) diameter Standoffs are a favorite for lighter weight glass displays or signage. 3/4" (19 mm) diameter Standoffs are the perfect design element for industrial projects such as exhibit building or retail display projects. CRL's 1-1/4" to 2" (31.7 to 50.8 mm) diameter Standoffs are designed to provide solutions for a vast variety of projects. Used to support heavier thicknesses of glass, the applications for this product are only limited by your imagination.



## CRL Custom Standoff Capabilities

CRL Custom Standoffs and Cap Assemblies are available in diameters and squares from 1/2" to 8" (12.7 to 203 mm), and in many popular finishes, including powder coating. Fabricated in CRL's 270,000 square foot California manufacturing facility, most Custom Standoff products are produced to your specifications and have short lead times. Refer to pages Z658 and Z659 in this section for specific product information.

## CRL 1/2" (12.7 mm) Diameter Standoff System

- Available in Two Distinct 316 Stainless Steel Finishes to Accommodate Any Project Requirement
- Accomplish Your Design Objective by Selecting Any of Six Different Lengths

An assortment of lengths make our 1/2" (12.7 mm) Standoff Base and Cap Assemblies the ideal solution for lighter weight glass displays or signage. Panels require 5/16" (8 mm) holes for assembly. Available finishes are Brushed Stainless and Polished Stainless.

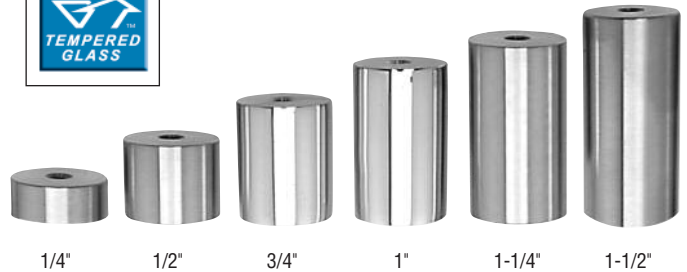
**NOTE:** 1/2" (12.7 mm) Diameter Standoff Bases do not have internal threads. Attach Allen Screw, Hanger Bolt or Threaded Rod directly to the Cap Assembly for anchoring to substrate.



## CRL 1/2" (12.7 mm) Diameter Standoff Bases

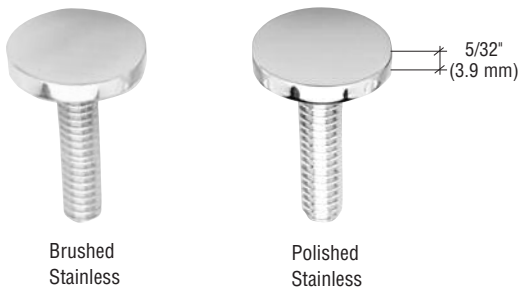
- Six Available Lengths in Two Finishes

LENGTH	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.
1/4" (6.3 mm)	SOB1214BS	SOB1214PS
1/2" (12.7 mm)	SOB1212BS	SOB1212PS
3/4" (19 mm)	SOB1234BS	SOB1234PS
1" (25.4 mm)	SOB1211BS	SOB1211PS
1-1/4" (31.7 mm)	SOB12114BS	SOB12114PS
1-1/2" (38.1 mm)	SOB12112BS	SOB12112PS



Minimum order: 1 each. All Standoffs can be combined for quantity pricing.  
**NOTE:** Minimum material thickness for use with 1/2" (12.7 mm) Diameter Standoff Bases is 3/16" (4.7 mm).

## CRL Cap Assemblies for 1/2" (12.7 mm) Standoffs



### Cap Assemblies Consist of:

- 1 Each 316 Stainless Steel Cap
- 1 Each Washer with 3/16" (4.7 mm) Diameter Hole (Cat. No. SW012S)
- 1 Each Washer with 1/4" (6.3 mm) Diameter Hole (Cat. No. SW012L)
- 1 Each 1-1/2" (38.1 mm) Allen Screw

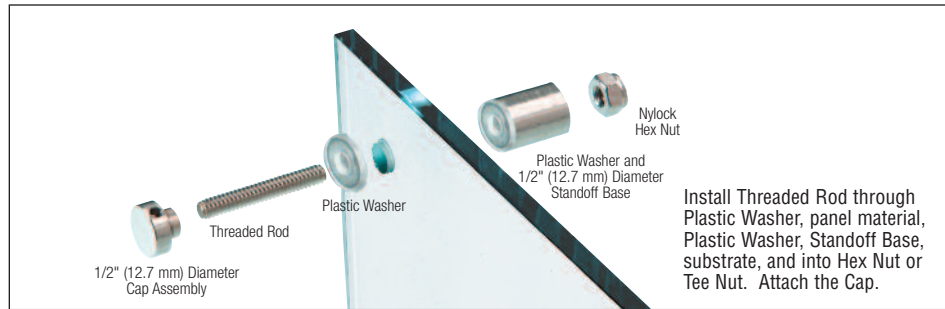
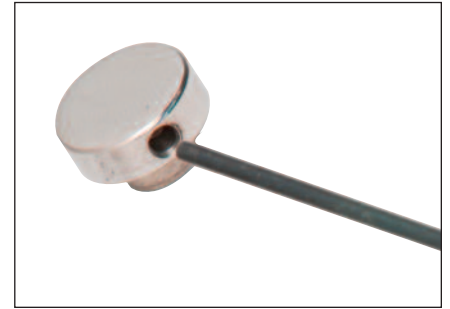
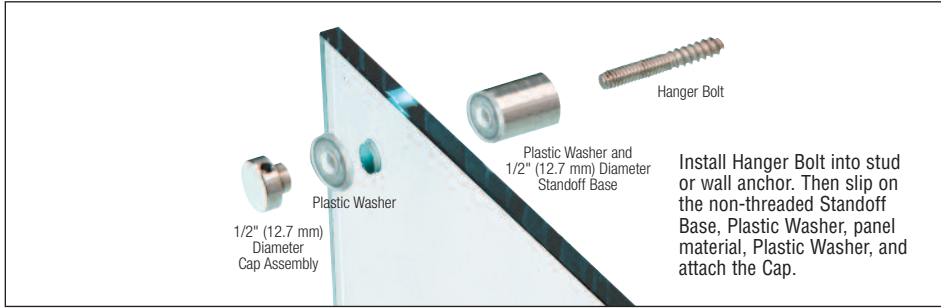
**NOTE:** Panels require 5/16" (8 mm) holes for assembly.

CAT. NO.	FINISH
CAP12BS	Brushed Stainless
CAP12PS	Polished Stainless

Minimum order: 1 each. All Standoff Caps can be combined for quantity pricing.



## CRL 1/2" (12.7 mm) Diameter Standoff Mounting Options



Tighten Cap down by using CRL Cat. No. 666564 Drill Bit. Insert into the side hole and tighten until snug.  
**NOTE:** Do not over tighten.

Due to the diversified variety of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

## CRL Mounting Accessories for 1/2" (12.7 mm) Diameter Standoffs



Hanger Bolt Drivers make installing hanger bolts into wood studs a breeze.

### HANGER BOLT DRIVER

CAT. NO.	SIZE
<b>165HB1024</b>	10-24

Minimum order: 1 each.

Use Flat Washers with Hex Nuts when attaching Standoffs to panels or substrates.



### FLAT WASHERS

CAT. NO.	FINISH	SIZE
<b>FW10S</b>	Stainless	10-24

Minimum order: 10 each. Must be ordered in increments of 10.

Tee Nuts are mainly used in wood or plywood applications where it can be installed on the back side. Accepts Allen Screw or Threaded Rod.



### TEE NUTS

CAT. NO.	FINISH	SIZE
<b>TN1024Z</b>	Zinc	10-24

Minimum order: 10 each. Must be ordered in increments of 10.

Hanger Bolts can be used in wood, or with plastic anchors.



### HANGER BOLTS

CAT. NO.	FINISH	SIZE
<b>HB10241Z</b>	Zinc	10-24 x 1" (25.4 mm)
<b>HB1024112Z</b>	Zinc	10-24 x 1-1/2" (38.1 mm)
<b>HB10242Z</b>	Zinc	10-24 x 2" (50.8 mm)
<b>HB1024212Z</b>	Zinc	10-24 x 2-1/2" (63.5 mm)

Minimum order: 10 each. Must be ordered in increments of 10.

Lock Washers may be used with Hex Nuts for mounting Standoff assemblies.



### LOCK WASHERS

CAT. NO.	FINISH	SIZE
<b>LW10S</b>	Stainless	10-24

Minimum order: 10 each. Must be ordered in increments of 10.

Full 36" (914 mm) lengths of stainless Threaded Rod will permit you to cut Rod to desired length.



### THREADED RODS

CAT. NO.	FINISH	SIZE
<b>TR1024X36S</b>	Stainless	10-24 x 36" (914 mm)

Minimum order: 1 each.

Hex Nuts are used with applicable Flat Washers and/or Lock Washers to attach Standoffs, or to reshape threads after cutting Threaded Rod or Allen Screws.



### HEX NUTS

CAT. NO.	FINISH	SIZE
<b>HN1024S</b>	Stainless	10-24

Minimum order: 10 each. Must be ordered in increments of 10.

Nylock Hex Nuts may be used without Locking Washers for attachment to Allen Screws or Threaded Rod for 1/2" (12.7 mm) diameter Standoffs.

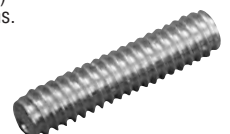


### NYLOCK HEX NUTS

CAT. NO.	FINISH	SIZE
<b>NLN1024S</b>	Stainless	10-24

Minimum order: 10 each. Must be ordered in increments of 10.

Stainless Steel Allen Screws are available in 3/4" (19 mm) and 1" (25.4 mm) lengths.



### ALLEN SCREWS

CAT. NO.	FINISH	SIZE
<b>AS102434</b>	Stainless	10-24 x 3/4" (19 mm)
<b>AS10241</b>	Stainless	10-24 x 1" (25.4 mm)

Minimum order: 10 each. Must be ordered in increments of 10.



## CRL 3/4" (19 mm) Diameter Standoff System



Residential Standoff Project Using 3/4" (19 mm) Standoffs

- Available in Many Distinct Finishes to Accommodate Any Project Requirement
- Accomplish Your Design Objective by Choosing Any of Eight Different Lengths

The vast variety of finishes and lengths gives our 3/4" (19 mm) Standoff Base and Cap Assemblies unlimited potential for medium weight glass displays or signage. Panels require 1/2" (12.7 mm) holes for assembly.



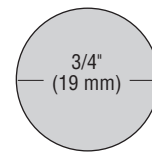
Bathroom Project Using 3/4" (19 mm) Standoffs



Vanity Using 3/4" (19 mm) Standoffs

## CRL 3/4" (19 mm) Diameter Standoff Bases

- Popular Decorator Finishes
- 316 Stainless Steel Can Be Used Indoors or Outdoors



Diameter

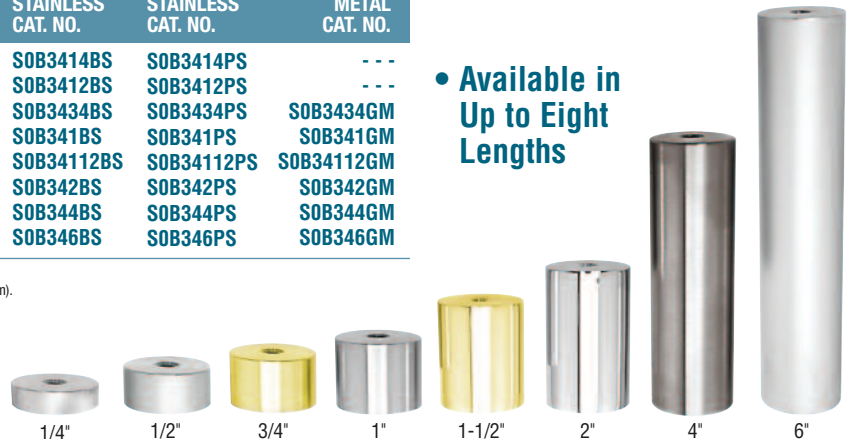


LENGTH	BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.	GUN METAL CAT. NO.
1/4" (6.3 mm)	---	---	---	SOB3414BS	SOB3414PS	---
1/2" (12.7 mm)	---	---	---	SOB3412BS	SOB3412PS	---
3/4" (19 mm)	SOB3434BR	SOB3434CH	SOB3434SC	SOB3434BS	SOB3434PS	SOB3434GM
1" (25.4 mm)	SOB341BR	SOB341CH	SOB341SC	SOB341BS	SOB341PS	SOB341GM
1-1/2" (38.1 mm)	SOB34112BR	SOB34112CH	SOB34112SC	SOB34112BS	SOB34112PS	SOB34112GM
2" (50.8 mm)	SOB342BR	SOB342CH	SOB342SC	SOB342BS	SOB342PS	SOB342GM
4" (101.6 mm)	SOB344BR	SOB344CH	SOB344SC	SOB344BS	SOB344PS	SOB344GM
6" (152.4 mm)	SOB346BR	SOB346CH	SOB346SC	SOB346BS	SOB346PS	SOB346GM

Minimum order: 1 each. All Standoffs can be combined for quantity pricing.  
NOTE: Minimum material thickness for use with 3/4" (19 mm) Diameter Standoff Bases is 3/16" (4.7 mm).

CRL's 3/4" (19 mm) diameter Standoffs are the perfect design element for projects such as retail displays or exhibit building. 3/4" (19 mm) diameter Bases and Cap Assemblies can also be ordered in custom sizes.

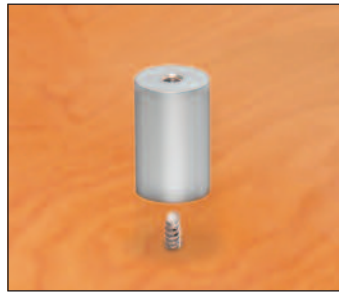
- Available in Up to Eight Lengths



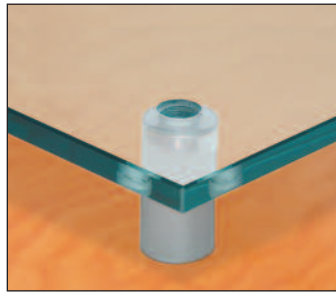
## CRL 3/4" (19 mm) Diameter Standoff Installation Steps



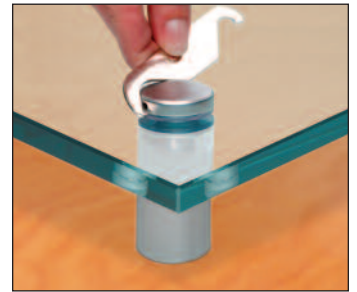
Set Fastener to Surface



Thread Base Onto Fastener



Align Glass on Standoff



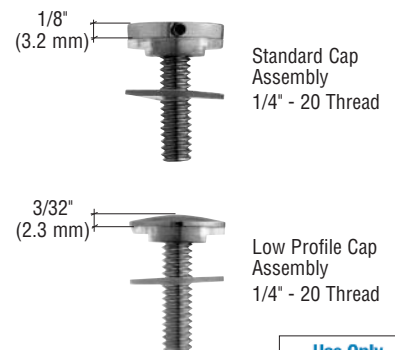
Tighten Cap with Wrench

**NOTE:** Due to the diversified variety of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

## CRL Cap Assemblies for 3/4" (19 mm) Diameter Standoffs

### • Choice of Two Styles Available in Several Popular Finishes

Designed to be used with CRL's 3/4" (19 mm) Standoff Bases, Cap Assemblies are available in matching finishes. Standard Cap Assemblies are easily installed using our Cat. No. SOW Standoff Wrench (see page Z643). The new Low Profile Cap Assemblies, which measure 3/32" (2.3 mm) in height, are used for desk tops or furniture where a low profile design is preferred. Low Profile Caps are tightened by placing a flat neoprene or rubber pad in the palm of your hand, applying pressure and turning. **NOTE:** Panels require 1/2" (13 mm) holes for assembly.



Cap Assemblies Consist of:

- 1 Each Cap
- 1 Each 1" (25.4 mm) Allen Screw
- 1 Each Washer (Cat. No. HW058)
- 1 Each Washer with Sleeve (Cat. No. HW057)



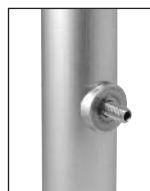
CAP	BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.	GUN METAL CAT. NO.
Standard	CAP34BR	CAP34CH	CAP34SC	CAP34BS	CAP34PS	CAP34GM
Low Profile	LPC34BR	LPC34CH	LPC34SC	LPC34BS	LPC34PS	LPC34GM

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

## CRL Tube Adaptors for 3/4" (19 mm) Diameter Standoffs

### • Adaptors Fit 1-1/2" (38.1 mm) and 2" (50.8 mm) Tubing

CRL Tube Adaptors allow 3/4" (19 mm) Standoff Bases to be attached to 1-1/2" (38.1 mm) or 2" (50.8 mm) Post Tubing. Use a Cat. No. RN1420 Riv-Nut (see page Z643) for securing the Standoff to the Tubing.



Slide on Adaptor Over 1/4" - 20 Allen Screw



Attach Standoff Base



3/8" (9.5 mm)

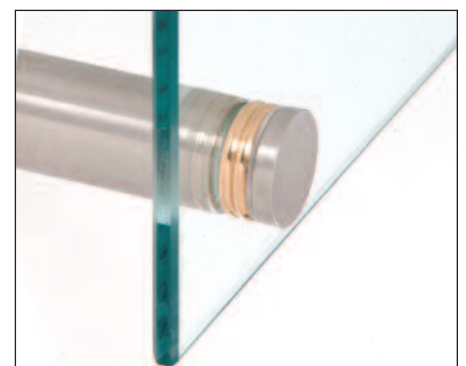
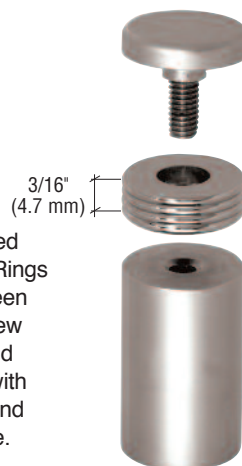
ADAPTOR FOR 1-1/2" TUBING CAT. NO.	ADAPTOR FOR 2" TUBING CAT. NO.	FINISH
3STA112BR	3STA2BR	Brass
3STA112CH	3STA2CH	Chrome
3STA112BS	3STA2BS	Brushed 316 Stainless
3STA112SC	3STA2SC	Satin Chrome

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

## CRL Accent Rings for 3/4" (19 mm) Diameter Standoffs

- Add a Decorative Accent to Signage or Display Standoffs
- Available in Chrome and Brass

CRL 3/4" (19 mm) Diameter Accent Rings are designed to be used with our 3/4" (19 mm) Diameter Standoff components. The Accent Rings can be placed either between the Standoff Cap and panel, or between the Standoff Base and panel to create an exciting and decorative new look to your signage or display project. Available in both Chrome and Brass finishes, our Accent Rings are most noticeable when mixed with other finishes such as a Brass Accent Ring with a Gun Metal Cap and Base, or a Chrome Accent Ring with a Satin Chrome Cap and Base. Just "mix and match" to obtain the look you want.



CAT. NO.	FINISH
AR34CH	Chrome
AR34BR	Brass

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



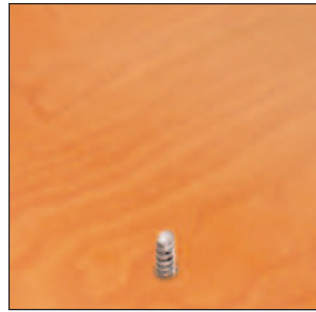
## CRL 3/4" (19 mm) Square Standoff Assemblies

- Available in Brass, Chrome, and Satin Chrome

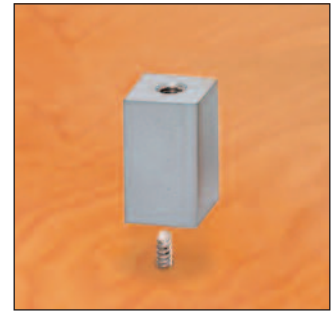


CRL's Square Standoff Assemblies are uniquely designed to provide a different style of mounting hardware. They use the same mounting accessories as our very popular 3/4" (19 mm) diameter Round Standoffs.

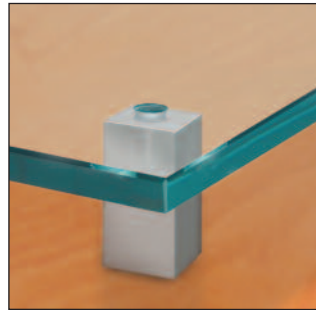
Due to the diversified variety of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.



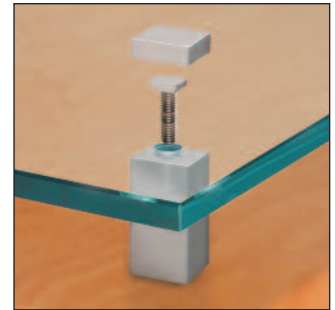
Set Fastener to Surface



Thread Base Onto Fastener



Align Glass on Standoff



Tighten Secondary Cap and Install Top Cap

## CRL 3/4" (19 mm) Square Standoff Bases

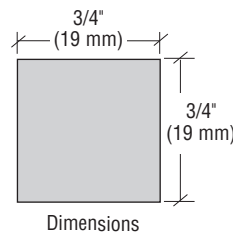
- Three Decorator Finishes

3/4" (19 mm) Square Standoff Bases are designed to be used for medium weight glass displays, exhibit or furniture projects. 3/4" (19 mm) Square Cap Assemblies give this system virtually unlimited potential. Available in standard lengths of 3/4" (19 mm), 1" (25.4 mm), 1-1/2" (38.1 mm), 2" (50.8 mm), and 4" (101.6 mm), Square Standoffs can also be ordered in custom sizes.

LENGTH	BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.
3/4" (19 mm)	SQ7575BR	SQ7575CH	SQ7575SC
1" (25.4 mm)	SQ751BR	SQ751CH	SQ751SC
1-1/2" (38.1 mm)	SQ75112BR	SQ75112CH	SQ75112SC
2" (50.8 mm)	SQ752BR	SQ752CH	SQ752SC
4" (101.6 mm)	SQ754BR	SQ754CH	SQ754SC

Minimum order: 1 each. All Standoffs can be combined for quantity pricing.  
NOTE: Minimum material thickness for use with 3/4" (19 mm) Square Standoff Bases is 3/16" (4.7 mm).

- Available in Five Standard Lengths



Dimensions



## CRL 3/4" (19 mm) Square Cap Assemblies

CRL's Square Standoff Cap Assemblies are easily installed and aligned with the Square Standoff Bases due to our exclusive design. The secondary cap, with removable Allen screw, has two flat sides which are used to secure the cap to the panel material. When firmly in place, the top cap is placed over the secondary cap, then aligned with the square base and held in position with undetectable double-sided tape. With this design there is no "adjustment" or "trial-and-error" required to line up the cap with the base.

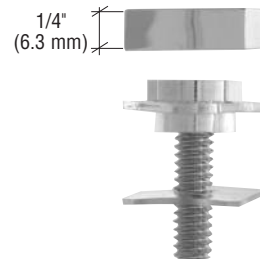
NOTE: Panels require 9/16" (14 mm) diameter holes for assembly.

### SQUARE CAP ASSEMBLIES

CAT. NO.	FINISH
SCAP75BR	Brass
SCAP75CH	Chrome
SCAP75SC	Satin Chrome

Minimum order: 1 each. Finishes can be combined for quantity pricing.  
NOTE: Mounting accessories for 3/4" (19 mm) Square Standoffs are shown on page Z643.

- Available in Finishes to Match Our Square Bases



### REPLACEMENT PARTS

CAT. NO.	DESCRIPTION
HW060	Washer with Sleeve
HW061	Flat Washer
AS141	1" (25.4 mm) Allen Screw

Minimum order: 1 each; 10 each for Allen Screws.





## CRL Standoff System Accessories for 3/4" (19 mm) Standoffs



Concrete Anchor



Hanger Bolt



Threaded Rod



Allen Screw



Riv-Nut



Standoff Wrench



Lock Washer



Flat Washer



Nylock Hex Nut



Hex Nut



Tee Nut



Hanger Bolt Drivers make installing hanger bolts into wood studs a breeze.

### HANGER BOLT DRIVER

CAT. NO.	SIZE
165HB416	1/4" - 20

Minimum order: 1 each.



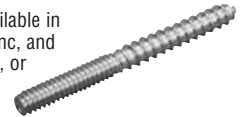
The Standoff Wrench allows a quick and efficient method for tightening and loosening the Standard Cap Assembly of 3/4" (19 mm), 1" (25 mm), 1-1/4" (31.7 mm), and 1-1/2" (38.1 mm) diameter Round Standoffs.

### STANDOFF WRENCH

CAT. NO.	FINISH	LENGTH
SOW	Zinc	4-1/2" (114.3 mm)

Minimum order: 1 each.

Hanger Bolts are available in both stainless and zinc, and can be used in wood, or with plastic anchors.



### HANGER BOLTS

CAT. NO.	FINISH	SIZE
HB14112S	Stainless	1/4"-20 x 1-1/2" (38.1 mm)
HB14112Z	Zinc	1/4"-20 x 1-1/2" (38.1 mm)
HB14212S	Stainless	1/4"-20 x 2-1/2" (63.5 mm)
HB14212Z	Zinc	1/4"-20 x 2-1/2" (63.5 mm)

Minimum order: 1 each for Stainless; 10 for Zinc.

Nylock Hex Nuts may be used without Locking Washers for attachment to Allen Screws or Threaded Rod for 3/4" (19 mm) diameter Standoffs.



## CRL MOUNTING HARDWARE FOR 3/4" (19 MM) ROUND STANDOFFS

Hex Nuts are used with applicable Flat Washers and/or Lock Washers to attach Standoffs, or to reshape threads after cutting Threaded Rod or Allen Screws.



### HEX NUTS

CAT. NO.	FINISH	SIZE
HN1420S	Stainless	1/4"-20
HN1420Z	Zinc	1/4"-20

Minimum order: 10 each. Must be ordered in increments of 10.

Use Flat Washers with Hex Nuts when attaching Standoffs to panels or substrates. Available in two finishes.



### FLAT WASHERS

CAT. NO.	FINISH	SIZE
FW14S	Stainless	1/4"-20
FW14Z	Zinc	1/4"-20

Minimum order: 10 each. Must be ordered in increments of 10.

Tee Nuts are mainly used in wood or plywood applications where they can be installed on the back side. Accepts Allen Screw or Threaded Rod.



### TEE NUTS

CAT. NO.	FINISH	SIZE
TN1420Z	Zinc	1/4"-20

Minimum order: 10 each. Must be ordered in increments of 10.

Use Riv-Nuts to attach 3STA112 or 3STA2 Standoff Tube Adaptors to 1-1/2" (38.1 mm) and 2" (50.8 mm) diameter Tubing.



### RIV-NUTS

CAT. NO.	FINISH	SIZE
RN1420	Zinc	1/4"-20

Minimum order: 10 each. Must be ordered in increments of 10.

Use the Concrete Anchor when securing the Standoff Base to a cement or stone wall. Requires 5/16" hole in concrete.



### CONCRETE ANCHORS

CAT. NO.	SIZE
CA1420	1/4"-20

Minimum order: 1 each.

Lock Washers may be used with Hex Nuts for mounting Standoff assemblies.

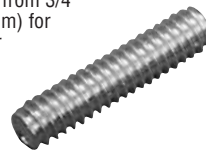


### LOCK WASHERS

CAT. NO.	FINISH	SIZE
LW14S	Stainless	1/4"-20
LW14Z	Zinc	1/4"-20

Minimum order: 10 each. Must be ordered in increments of 10.

Stainless Steel Allen Screws are available in incremental lengths from 3/4" (19 mm) to 2" (50.8 mm) for 3/4" (19 mm) diameter Standoffs.



### ALLEN SCREWS

CAT. NO.	FINISH	SIZE
AS1434	Stainless	1/4"-20 x 3/4" (19 mm)
AS141	Stainless	1/4"-20 x 1" (25.4 mm)
AS14114	Stainless	1/4"-20 x 1-1/4" (31.7 mm)
AS14112	Stainless	1/4"-20 x 1-1/2" (38.1 mm)
AS14134	Stainless	1/4"-20 x 1-3/4" (44.4 mm)
AS142	Stainless	1/4"-20 x 2" (50.8 mm)

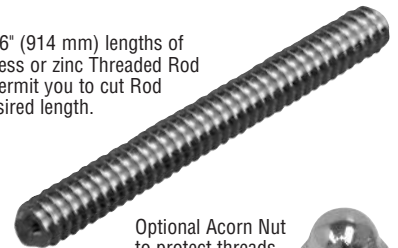
Minimum order: 10 each. Must be ordered in increments of 10.

### NYLOCK HEX NUTS

CAT. NO.	FINISH	SIZE
NLN1420S	Stainless	1/4"-20
NLN1420Z	Zinc	1/4"-20

Minimum order: 10 each. Must be ordered in increments of 10.

Full 36" (914 mm) lengths of stainless or zinc Threaded Rod will permit you to cut Rod to desired length.



Optional Acorn Nut to protect threads during installation.



### THREADED RODS/ACORN NUTS

CAT. NO.	FINISH	SIZE
TR1420X36S	Stainless	1/4"-20 x 36" (914 mm)
TR1420X36Z	Zinc	1/4"-20 x 36" (914 mm)
ACN1420	Nickel	1/4"-20 Acorn Nut

Minimum order: 1 each for Rods; 10 for Nuts.

## CRL 1" (25 mm) Diameter Standoff System



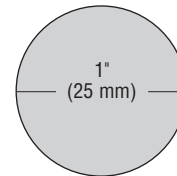
- Available in Brushed or Polished Stainless Finishes
- Accomplish Your Design Objective by Choosing Any of Eight Different Lengths

The vast variety of finishes and lengths gives our 1" (25 mm) Standoff Base and Cap Assemblies unlimited potential for medium weight glass displays or signage. Panels require 1/2" (12.7 mm) holes for assembly.

Residential Standoff Project Using 1" (25 mm) Standoffs

## CRL 1" (25 mm) Diameter Standoff Bases

- Brushed or Polished 316 Stainless Steel Finishes
- Can Be Used Indoors or Outdoors

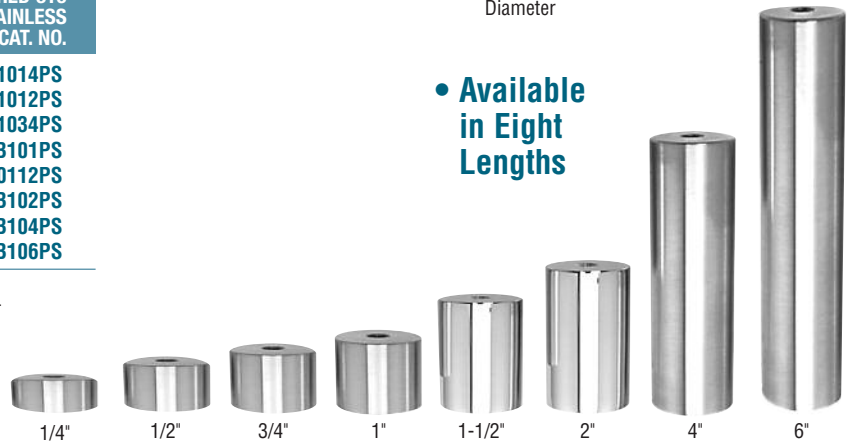


LENGTH	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.
1/4" (6.3 mm)	SOB1014BS	SOB1014PS
1/2" (12.7 mm)	SOB1012BS	SOB1012PS
3/4" (19 mm)	SOB1034BS	SOB1034PS
1" (25.4 mm)	SOB101BS	SOB101PS
1-1/2" (38.1 mm)	SOB10112BS	SOB10112PS
2" (50.8 mm)	SOB102BS	SOB102PS
4" (101.6 mm)	SOB104BS	SOB104PS
6" (152.4 mm)	SOB106BS	SOB106PS

- Available in Eight Lengths

Minimum order: 1 each. All Standoffs can be combined for quantity pricing.  
 NOTE: Minimum material thickness for use with 1" (25 mm) Diameter Standoff Bases is 3/16" (4.7 mm).

CRL's 1" (25 mm) diameter Standoffs are the perfect design element for projects such as retail displays or exhibit building. 1" (25 mm) diameter Bases and Cap Assemblies can also be ordered in custom sizes.



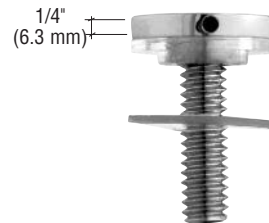
## CRL Cap Assemblies for 1" (25 mm) Diameter Standoffs

- Available in Brushed or Polished 316 Stainless Steel Finishes

Designed to be used with CRL's 1" (25 mm) Standoff Bases, Cap Assemblies are available in matching finishes. Cap Assemblies are easily installed using our Cat. No. SOW Standoff Wrench (see next page). NOTE: Panels require 1/2" (13 mm) holes for assembly.

### Cap Assemblies Consist of:

- 1 Each Cap
- 1 Each 1" (25.4 mm) Allen Screw
- 1 Each Washer (Cat. No. HW058)
- 1 Each Washer with Sleeve (Cat. No. HW057)



Standard Cap Assembly  
1/4" - 20 Thread



CAT. NO.	FINISH
CAP1BS	Brushed Stainless
CAP1PS	Polished Stainless

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

## CRL Standoff System Accessories for 1" (25 mm) Standoffs



Concrete Anchor



Hanger Bolt



Threaded Rod



Allen Screw



Riv-Nut



Standoff Wrench



Lock Washer



Flat Washer



Nylock Hex Nut



Hex Nut



Tee Nut



Hanger Bolt Drivers make installing hanger bolts into wood studs a breeze.

### HANGER BOLT DRIVER

CAT. NO.	SIZE
165HB416	1/4" - 20

Minimum order: 1 each.



The Standoff Wrench allows a quick and efficient method for tightening and loosening the Standard Cap Assembly of 3/4" (19 mm), 1" (25 mm), 1-1/4" (31.7 mm), and 1-1/2" (38.1 mm) diameter Round Standoffs.

### STANDOFF WRENCH

CAT. NO.	FINISH	LENGTH
SOW	Zinc	4-1/2" (114.3 mm)

Minimum order: 1 each.

## CRL MOUNTING HARDWARE FOR 1" (25 MM) ROUND STANDOFFS

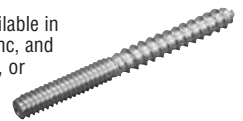
Hex Nuts are used with applicable Flat Washers and/or Lock Washers to attach Standoffs, or to reshape threads after cutting Threaded Rod or Allen Screws.



Use the Concrete Anchor when securing the Standoff Base to a cement or stone wall. Requires 5/16" hole in concrete.



Hanger Bolts are available in both stainless and zinc, and can be used in wood, or with plastic anchors.



### HANGER BOLTS

CAT. NO.	FINISH	SIZE
HB14112S	Stainless	1/4"-20 x 1-1/2" (38.1 mm)
HB14112Z	Zinc	1/4"-20 x 1-1/2" (38.1 mm)
HB14212S	Stainless	1/4"-20 x 2-1/2" (63.5 mm)
HB14212Z	Zinc	1/4"-20 x 2-1/2" (63.5 mm)

Minimum order: 1 each for Stainless; 10 for Zinc.

### HEX NUTS

CAT. NO.	FINISH	SIZE
HN1420S	Stainless	1/4"-20
HN1420Z	Zinc	1/4"-20

Minimum order: 10 each. Must be ordered in increments of 10.

Use Flat Washers with Hex Nuts when attaching Standoffs to panels or substrates. Available in two finishes.



### CONCRETE ANCHORS

CAT. NO.	SIZE
CA1420	1/4"-20

Minimum order: 1 each.

Lock Washers may be used with Hex Nuts for mounting Standoff assemblies.



### LOCK WASHERS

CAT. NO.	FINISH	SIZE
LW14S	Stainless	1/4"-20
LW14Z	Zinc	1/4"-20

Minimum order: 10 each. Must be ordered in increments of 10.

Stainless Steel Allen Screws are available in incremental lengths from 3/4" (19 mm) to 2" (50.8 mm) for 1" (25 mm) diameter Standoffs.



Nylock Hex Nuts may be used without Locking Washers for attachment to Allen Screws or Threaded Rod for 1" (25 mm) diameter Standoffs.



### NYLOCK HEX NUTS

CAT. NO.	FINISH	SIZE
NLN1420S	Stainless	1/4"-20
NLN1420Z	Zinc	1/4"-20

Minimum order: 10 each. Must be ordered in increments of 10.

### FLAT WASHERS

CAT. NO.	FINISH	SIZE
FW14S	Stainless	1/4"-20
FW14Z	Zinc	1/4"-20

Minimum order: 10 each. Must be ordered in increments of 10.

Tee Nuts are mainly used in wood or plywood applications where they can be installed on the back side. Accepts Allen Screw or Threaded Rod.



### TEE NUTS

CAT. NO.	FINISH	SIZE
TN1420Z	Zinc	1/4"-20

Minimum order: 10 each. Must be ordered in increments of 10.

Use Riv-Nuts to attach 3STA112 or 3STA2 Standoff Tube Adaptors to 1-1/2" (38.1 mm) and 2" (50.8 mm) diameter Tubing.



### RIV-NUTS

CAT. NO.	FINISH	SIZE
RN1420	Zinc	1/4"-20

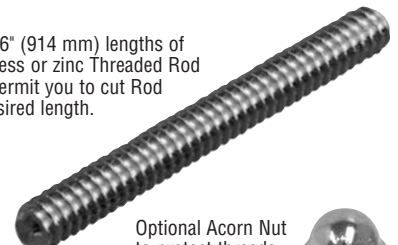
Minimum order: 10 each. Must be ordered in increments of 10.

### ALLEN SCREWS

CAT. NO.	FINISH	SIZE
AS1434	Stainless	1/4"-20 x 3/4" (19 mm)
AS141	Stainless	1/4"-20 x 1" (25.4 mm)
AS14114	Stainless	1/4"-20 x 1-1/4" (31.7 mm)
AS14112	Stainless	1/4"-20 x 1-1/2" (38.1 mm)
AS14134	Stainless	1/4"-20 x 1-3/4" (44.4 mm)
AS142	Stainless	1/4"-20 x 2" (50.8 mm)

Minimum order: 10 each. Must be ordered in increments of 10.

Full 36" (914 mm) lengths of stainless or zinc Threaded Rod will permit you to cut Rod to desired length.



Optional Acorn Nut to protect threads during installation.



### THREADED RODS/ACORN NUTS

CAT. NO.	FINISH	SIZE
TR1420X36S	Stainless	1/4"-20 x 36" (914 mm)
TR1420X36Z	Zinc	1/4"-20 x 36" (914 mm)
ACN1420	Nickel	1/4"-20 Acorn Nut

Minimum order: 1 each for Rods; 10 for Nuts.



## CRL 1-1/4" (31.7 mm) Diameter Standoff System

- Available in Many Distinct Finishes to Accommodate Any Project Requirement
- Accomplish Your Design Objective by Choosing Any of Eight Different Lengths

Create a combination of different looks with our 1-1/4" (31.7 mm) Standoff System by designing a series of displays or architectural projects utilizing our vast array of Bases.



Standoffs Used for Railing Projects

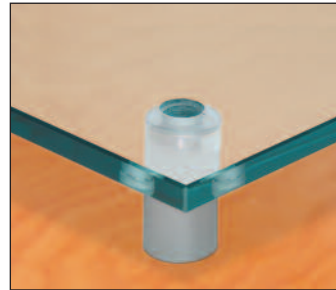
## CRL 1-1/4" (31.7 mm) Diameter Standoff Installation Steps



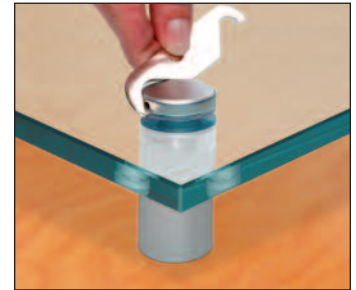
Set Fastener to Surface



Thread Base onto Fastener



Align Glass on Standoff



Tighten Cap with Wrench

**NOTE:** Due to the diversified variety of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

## CRL Cap Assemblies for 1-1/4" (31.7 mm) Diameter Standoffs

Designed to be used with CRL's 1-1/4" (31.7 mm) Standoff Bases, Standard Cap Assemblies are available in matching finishes, and are easily tightened when being installed into Bases by using our Cat. No. SOW Standoff Wrench.

**NOTE:** Panels require 5/8" (16 mm) holes for assembly.

CAT. NO.	FINISH
<b>CAP114BR</b>	Brass
<b>CAP114BS</b>	Brushed 316 Stainless
<b>CAP114PS</b>	Polished 316 Stainless
<b>CAP114CH</b>	Chrome
<b>CAP114SC</b>	Satin Chrome
<b>CAP114GM</b>	Gun Metal

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



### Cap Assemblies Consist of:

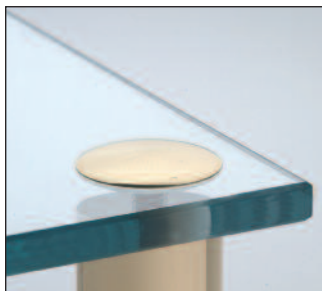
- 1 Each Cap
- 1 Each 1" (25.4 mm) Allen Screw
- 2 Each Washers (Cat. Nos. SW114L and SW114S)
- 1 Each Vinyl Sleeve (Cat. No. SM716)



Vanity Project Using 1-1/4" (31.7 mm) Standoffs

## CRL Low Profile Cap Assemblies

Our Low Profile Cap Assemblies, which measure 1/8" (3.2 mm) in height, are used for desktops or furniture where a low profile design is preferred. Low Profile Caps are tightened by placing a flat neoprene or rubber pad in the palm of your hand, then applying pressure and turning.



CAT. NO.	FINISH
<b>LPC114BR</b>	Brass
<b>LPC114BS</b>	Brushed 316 Stainless
<b>LPC114PS</b>	Polished 316 Stainless
<b>LPC114CH</b>	Chrome
<b>LPC114SC</b>	Satin Chrome
<b>LPC114GM</b>	Gun Metal

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

### Cap Assemblies Consist of:

- 1 Each Cap
- 1 Each 3/4" (19 mm) Allen Screw
- 1 Each Large Hole Vinyl Washer with Sleeve
- 1 Each Small Hole Vinyl Washer

## CRL Flush Mount Cap Assembly

CRL's Flush Mount Cap Assembly is designed to be used with 1-1/4" (31.7 mm) Standoff Bases in applications where the Standoff Cap must be flush with the surface of the glass. The Flush Cap comes with a 22 mm, 5/16"-18 Socket Head Screw with washers. The Flush Cap measures 1-1/8" (28.6 mm) in diameter. Minimum material thickness is 3/8" (9.5 mm). An optional 1-3/8" (34.9 mm) Screw is available for use with thicker materials. Minimum order is one each.



Flush Cap  
CAT. NO. CAPF114BS

**NOTE:**  
Fabrication Requirements for Flush Cap: 3/4" Diameter Hole; 1-1/2" Countersink (to desired depth) Using Cat. No. BDC112 Diamond Countersink



1-3/8" (34.9 mm) Screw  
CAT. NO. CAP35S

## CRL 1-1/4" (31.7 mm) Diameter Standoff Bases

### • Six Popular Decorator Finishes

You can create a combination of different looks with our 1-1/4" (31.7 mm) Standoff System. The variety of Bases and Caps allows you to design a series of retail, commercial or residential projects. Panels require 5/8" (16 mm) holes for assembly. Custom lengths and finishes are available by requesting a quote from our Technical Sales Department.



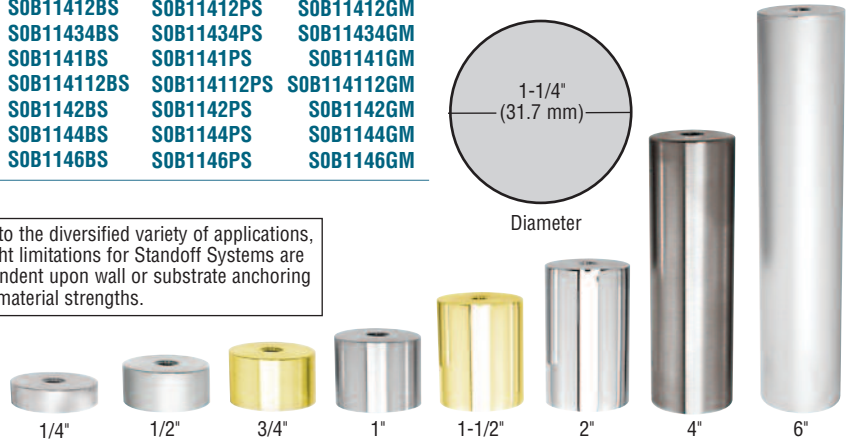
LENGTH	BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.	GUN METAL CAT. NO.
1/4" (6.3 mm)	SOB11414BR	SOB11414CH	SOB11414SC	SOB11414BS	SOB11414PS	SOB11414GM
1/2" (12.7 mm)	SOB11412BR	SOB11412CH	SOB11412SC	SOB11412BS	SOB11412PS	SOB11412GM
3/4" (19 mm)	SOB11434BR	SOB11434CH	SOB11434SC	SOB11434BS	SOB11434PS	SOB11434GM
1" (25.4 mm)	SOB1141BR	SOB1141CH	SOB1141SC	SOB1141BS	SOB1141PS	SOB1141GM
1-1/2" (38.1 mm)	SOB114112BR	SOB114112CH	SOB114112SC	SOB114112BS	SOB114112PS	SOB114112GM
2" (50.8 mm)	SOB1142BR	SOB1142CH	SOB1142SC	SOB1142BS	SOB1142PS	SOB1142GM
4" (101.6 mm)	SOB1144BR	SOB1144CH	SOB1144SC	SOB1144BS	SOB1144PS	SOB1144GM
6" (152.4 mm)	SOB1146BR	SOB1146CH	SOB1146SC	SOB1146BS	SOB1146PS	SOB1146GM

Minimum order: 1 each. All Standoffs can be combined for quantity pricing.  
**NOTE:** Minimum material thickness for use with 1-1/4" (31.7 mm) diameter Standoff Bases is 1/4" (6.3 mm) when used with Standard and Low Profile Caps, and 3/8" (9.5 mm) when used with Flush Mount Cap.

REPLACEMENT CLEAR VINYL WASHERS		
CAT. NO.	WASHER SIZE (O.D. X I.D.)	
SW114S	1-1/4" (31.7 mm) x 5/16" (7.9 mm)	
SW114L	1-1/4" (31.7 mm) x 7/16" (11.1 mm)	
SM716	9/16" (14.3 mm) x 7/16" (11.1 mm)	

Minimum order: 1 each.

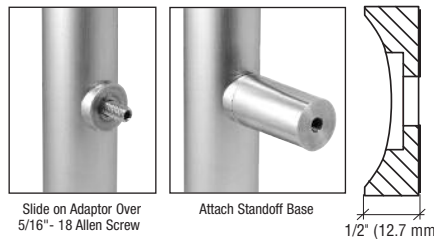
Due to the diversified variety of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.



## CRL Tube Adaptors for 1-1/4" (31.7 mm) Diameter Standoffs

### • Adaptors Fit 1-1/2" (38.1 mm) and 2" (50.8 mm) Tubing

CRL Tube Adaptors allow 1-1/4" (31.7 mm) Standoffs and Slot Mount Standoffs to be attached to 1-1/2" (38.1 mm) or 2" (50.8 mm) Post Tubing. Use a Cat. No. ZRNUT Riv-Nut (see page Z643) to secure the Standoff to the Tubing.



ADAPTOR FOR 1-1/2" TUBING CAT. NO.	ADAPTOR FOR 2" TUBING CAT. NO.	FINISH
STA112BR	STA2BR	Brass
STA112CH	STA2CH	Chrome
STA112BS	STA2BS	Brushed 316 Stainless
STA112SC	STA2SC	Satin Chrome

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

## CRL Accent Rings for 1-1/4" (31.7 mm) Diameter Standoffs

### • Add a Decorative Accent to Signage or Display Standoffs • Available in Chrome and Brass

CRL 1-1/4" (31.7 mm) Accent Rings are designed to be used with our 1-1/4" (31.7 mm) Diameter Standoff components. Accent Rings can be placed either between the Standoff Cap and the panel, or between the Standoff Base and the panel to create a decorative new look to your signage or display projects.

Available in both Chrome and Brass finishes, Accent Rings are most noticeable when mixed with other finishes, such as a Brass Accent Ring with a Gun Metal Cap and Base, or a Chrome Accent Ring with a Satin Chrome Cap and Base. Just "mix and match" to obtain the look you want. The 1-1/4" (31.7 mm) diameter Accent Ring is countersunk to accept the Cap Assembly, and is supplied with a clear vinyl washer to protect the glass.



CAT. NO.	FINISH
AR114CH	Chrome
AR114BR	Brass

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

## CRL 1-1/4" (31.7 mm) Diameter Stud Mount Standoff Bases

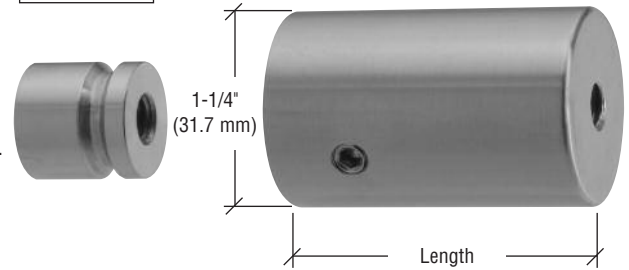
**new**



- Easily Attached and Removed From a Wall Mounted Stud

- Brushed 316 Stainless Steel
- Available in Two Lengths

CRL Stud Mount Standoffs are designed for easy removal from the wall without dismantling from the panel or glass. Commonly used in areas that conceal inspection hatches or machinery that requires scheduled maintenance. Simply loosening the Allen set screw allows for easy removal. Panels require a 5/8" (16 mm) hole for assembly. Does not include a Cat. No. CAP114BS Standoff Cap (see page Z646). Designed to be used with our 1-1/4" (31.7 mm) Diameter Standoff components (see page Z650).



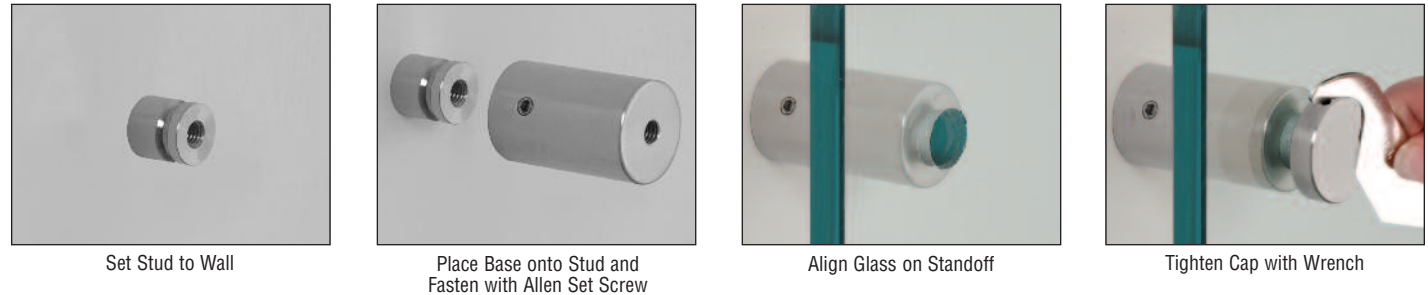
## CRL 1-1/4" (31.7 mm) Diameter Stud Mount Standoff Installation Steps



Due to the diversified variety of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

CAT. NO.	LENGTH	FINISH
SMS114112BS	1-1/2" (38.1 mm)	Brushed Stainless
SMS1142BS	2" (50.8 mm)	Brushed Stainless

Minimum order: 1 each. All Standoffs can be combined for quantity pricing.  
**NOTE:** Minimum material thickness for use with 1-1/4" (31.7 mm) diameter Standoff Bases is 1/4" (6.3 mm) when used with Standard and Low Profile Caps, and 3/8" (9.5 mm) when used with Flush Mount Cap.



## CRL 1-1/4" (31.7 mm) Diameter Adjustable Standoff Base

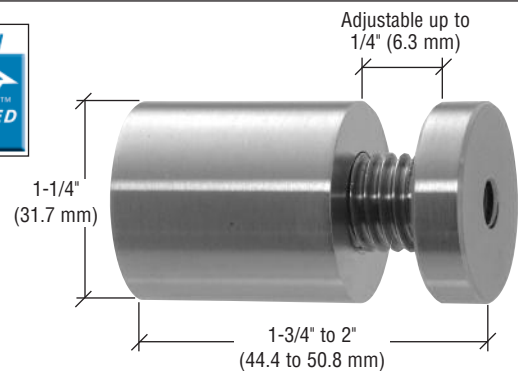
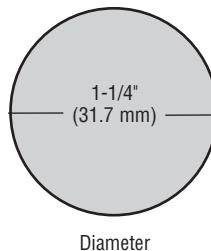
**new**



- Allows 1/4" (6.3 mm) Adjustment for Irregular Walls
- Eliminates Washers to Accomplish an Even Sightline

- Brushed 316 Stainless Steel

The CRL Adjustable Standoff is primarily designed for use on uneven walls or surfaces. When the adjustment collar is in the compressed position the base measures 1-3/4" (44.5 mm) in length. When the collar is backed out an additional 1/4" (6.3 mm) is gained for a 2" (50.8 mm) length. Any length in-between is possible simply by rotating the collar to the desired measurement and securing it with the Allen set screw. Panels require a 5/8" (16 mm) hole for assembly. Does not include a Cat. No. CAP114BS Standoff Cap (see page Z646). Designed to be used with our 1-1/4" (31.7 mm) Diameter Standoff components (see page Z650).



Due to the diversified variety of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

CAT. NO.	LENGTH	FINISH
ASB114134BS	Adjustable 1-3/4" to 2"	Brushed Stainless

Minimum order: 1 each. All Standoffs can be combined for quantity pricing.  
**NOTE:** Minimum material thickness for use with 1-1/4" (31.7 mm) diameter Standoff Bases is 1/4" (6.3 mm) when used with Standard and Low Profile Caps, and 3/8" (9.5 mm) when used with Flush Mount Cap.



## CRL 1-1/4" (31.7 mm) Square Standoff Assemblies

- Uniquely Styled
- Available in Three Popular Finishes



CRL's Square Standoff Assemblies create a new and contemporary look that is certain to achieve maximum attention. Available in Brass, Chrome, and Satin Chrome, they use the same mounting accessories as our very popular 1-1/4" (31.7 mm) diameter Round Standoffs. Panels require 5/8" (16 mm) diameter holes for assembly.

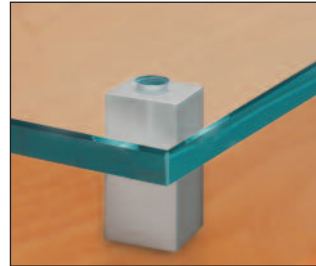
Due to the diversified variety of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.



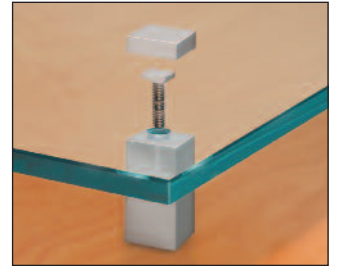
Set Fastener to Surface



Thread Base Onto Fastener



Align Glass on Standoff

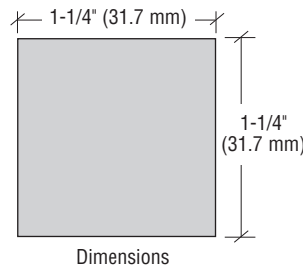


Tighten Secondary Cap and Install Top Cap

## CRL 1-1/4" (31.7 mm) Square Standoff Bases

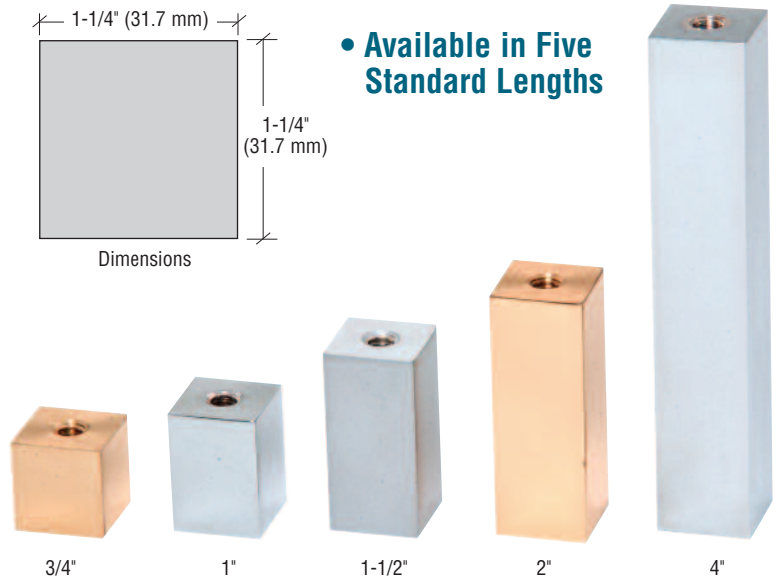
- New Standoff Configuration for Special Projects

CRL's 1-1/4" (31.7 mm) Square Standoff Bases are the perfect component for countertops, desks or furniture design. The five available lengths are adequate for most projects, but if custom lengths are required you can contact our Technical Sales Department for a quote.



- Available in Five Standard Lengths

LENGTH	BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.
3/4" (19 mm)	SQ12575BR	SQ12575CH	SQ12575SC
1" (25.4 mm)	SQ1251BR	SQ1251CH	SQ1251SC
1-1/2" (38.1 mm)	SQ125112BR	SQ125112CH	SQ125112SC
2" (50.8 mm)	SQ1252BR	SQ1252CH	SQ1252SC
4" (101.6 mm)	SQ1254BR	SQ1254CH	SQ1254SC

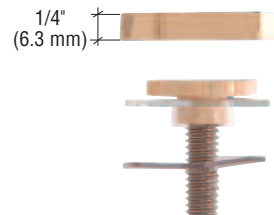


Minimum order: 1 each. All Standoffs can be combined for quantity pricing.  
NOTE: Minimum material thickness for use with 1-1/4" Square Standoff Bases is 1/4" (6.3 mm).

## CRL 1-1/4" (31.7 mm) Square Cap Assemblies

- Use With 1-1/4" (31.7 mm) Square Bases or as Decorative Wall Fasteners

Our 1-1/4" (31.7 mm) Square Standoff Cap Assemblies can be used with Square Bases or independently to attach panels or artwork to a wall. The Cap Assembly comes with a detachable 5/16"-18 x 1" Allen screw that requires a 5/8" (16 mm) hole for assembly. With this unique design there is no "adjustment" or "trial-and-error" required to line up the cap with the base.



SQUARE CAP ASSEMBLIES	
CAT. NO.	FINISH
SCAP125BR	Brass
SCAP125CH	Chrome
SCAP125SC	Satin Chrome

REPLACEMENT PARTS	
CAT. NO.	DESCRIPTION
HW062	Washer with Sleeve
HW063	Flat Washer
AS5161	1" (25.4 mm) Allen Screw

Minimum order: 1 each. Finishes can be combined for quantity pricing.  
NOTE: Mounting accessories for 1-1/4" (31.7 mm) Square Standoffs are shown on page Z650.

Minimum order: 1 each.

## CRL Standoff System Accessories for 1-1/4" (31.7 mm) Standoffs

• For Both Round and Square Standoffs



Concrete Anchor



Hanger Bolt



Threaded Rod



Allen Screw



Riv-Nut



Standoff Wrench



Lock Washer



Flat Washer



Nylock Hex Nut



Hex Nut



Tee Nut



Hanger Bolt Drivers make installing hanger bolts into wood studs a breeze.

### HANGER BOLT DRIVER

CAT. NO.	SIZE
165HB516	5/16" - 18

Minimum order: 1 each.



The Standoff Wrench allows a quick and efficient method for tightening and loosening the Standard Cap Assembly of 3/4" (19 mm), 1" (25 mm), 1-1/4" (31.7 mm), and 1-1/2" (38.1 mm) diameter Round Standoffs.

### STANDOFF WRENCH

CAT. NO.	FINISH	LENGTH
SOW	Zinc	4-1/2" (114.3 mm)

Minimum order: 1 each.

## CRL MOUNTING HARDWARE FOR 1-1/4" (31.7 MM) SQUARE OR ROUND STANDOFFS

Hex Nuts are used with applicable Flat Washers and/or Lock Washers to attach Standoffs, or to reshape threads after cutting Threaded Rod or Allen Screws.



Use the Concrete Anchor when securing the Standoff Base to a cement or stone wall. Requires 3/8" hole in concrete.



### CONCRETE ANCHORS

CAT. NO.	SIZE
CA51618	5/16"-18

Minimum order: 1 each.

### HEX NUTS

CAT. NO.	FINISH	SIZE
HN51618S	Stainless	5/16"-18
HN51618Z	Zinc	5/16"-18

Minimum order: 10 each. Must be ordered in increments of 10.

Use Flat Washers with Hex Nuts when attaching Standoffs to panels or substrates. Available in two finishes.



Lock Washers may be used with Hex Nuts for mounting Standoff assemblies.



### LOCK WASHERS

CAT. NO.	FINISH	SIZE
LW516S	Stainless	5/16"-18
LW516Z	Zinc	5/16"-18

Minimum order: 10 each. Must be ordered in increments of 10.

### FLAT WASHERS

CAT. NO.	FINISH	SIZE
FW516S	Stainless	5/16"-18
FW516Z	Zinc	5/16"-18

Minimum order: 10 each. Must be ordered in increments of 10.

Tee Nuts are mainly used in wood or plywood applications where they can be installed on the back side. Accepts Allen Screw or Threaded Rod.



### TEE NUTS

CAT. NO.	FINISH	SIZE
TN51618Z	Zinc	5/16"-18

Minimum order: 10 each. Must be ordered in increments of 10.

Use Riv-Nuts to attach STA112 or STA2 Standoff Tube Adaptors to 1-1/2" (38.1 mm) and 2" (50.8 mm) diameter Tubing. Grip range is up to 1/8" (3 mm).



### RIV-NUTS

CAT. NO.	FINISH	SIZE
ZRNUT	Zinc	5/16"-18

Minimum order: 10 each. Must be ordered in increments of 10.

Stainless Steel Allen Screws are available in incremental lengths from 3/4" (19 mm) to 2" (50.8 mm) for 1-1/4" (31.7 mm) diameter Standoffs.



### ALLEN SCREWS

CAT. NO.	FINISH	SIZE
AS51634	Stainless	5/16"-18 x 3/4" (19 mm)
AS5161	Stainless	5/16"-18 x 1" (25.4 mm)
AS516114	Stainless	5/16"-18 x 1-1/4" (31.7 mm)
AS516112	Stainless	5/16"-18 x 1-1/2" (38.1 mm)
AS516134	Stainless	5/16"-18 x 1-3/4" (44.4 mm)
AS5162	Stainless	5/16"-18 x 2" (50.8 mm)

Minimum order: 10 each. Must be ordered in increments of 10.

Hanger Bolts are available in both stainless and zinc, and can be used in wood, or with plastic anchors.



### HANGER BOLTS

CAT. NO.	FINISH	SIZE
HB516112S	Stainless	5/16"-18 x 1-1/2" (38.1 mm)
HB516112Z	Zinc	5/16"-18 x 1-1/2" (38.1 mm)
HB516212S	Stainless	5/16"-18 x 2-1/2" (63.5 mm)
HB516212Z	Zinc	5/16"-18 x 2-1/2" (63.5 mm)

Minimum order: 1 each for Stainless; 10 for Zinc.

Nylock Hex Nuts may be used without Locking Washers for attachment to Allen Screws or Threaded Rod for 1-1/4" (31.7 mm) diameter Standoffs.



### NYLOCK HEX NUTS

CAT. NO.	FINISH	SIZE
NLN51618S	Stainless	5/16"-18
NLN51618Z	Zinc	5/16"-18

Minimum order: 10 each. Must be ordered in increments of 10.

Full 36" (914 mm) lengths of stainless or zinc Threaded Rod will permit you to cut Rod to desired length.



Optional Acorn Nut to protect threads during installation.



### THREADED RODS/ACORN NUTS

CAT. NO.	FINISH	SIZE
TR51618X36S	Stainless	5/16"-18 x 36" (914 mm)
TR51618X36Z	Zinc	5/16"-18 x 36" (914 mm)
ACN51618	Nickel	5/16"-18 Acorn Nut

Minimum order: 1 each for Rods; 10 for Nuts.



# CRL STANDOFF SYSTEMS

For Pricing Visit Our Web Site or Call Us Toll Free  
at the Phone Numbers Shown on the Back Cover





## CRL 1-1/2" (38.1 mm) Diameter Standoff System

**new**



- Available in Brushed and Polished 316 Stainless Steel in Six Standard Lengths
- Secured With 3/8"-16 Threaded Stud
- Custom Sizes and Finishes Are Also Available

CRL's 1-1/2" (38.1 mm) Diameter Standoffs are perfect for attaching heavy glass, granite, and marble to the top of cabinetry. They are available in Brushed or Polished 316 Stainless in a range of standard lengths from 1/2" to 4" (12.7 to 101.6 mm).

Our ability to produce custom size Standoffs in different sizes, thread configurations, and finishes means you can always have the Standoff you need to suit your customer's needs. See pages Z658-Z659 for Custom Standoff information.



## CRL Cap Assemblies for 1-1/2" (38.1 mm) Diameter Standoffs

CRL's 1-1/2" (38.1 mm) Standoff Caps are supplied with a 3/8"-16 x 1" (25.4 mm) Stainless Steel Allen Screw, one Washer with molded sleeve, and one plain Washer. A hole in the side of the Cap is provided for tightening and loosening the Cap to the Standoff Base. Brushed or Polished 316 Stainless finishes to match our 1-1/2" (38.1 mm) Diameter Standoff Bases.



- Two 316 Stainless Finishes



### 1-1/2" (38.1 MM) ROUND CAP ASSEMBLY

CAT. NO.	FINISH
<b>CAP112BS</b>	Brushed Stainless
<b>CAP112PS</b>	Polished Stainless

Minimum order: 1 each. All Standoff Caps can be combined for quantity pricing.

### 1-1/2" (38.1 MM) REPLACEMENT WASHERS

CAT. NO.	DESCRIPTION
<b>CWK112</b>	Vinyl Washer Set

Minimum order: 1 pack.

## CRL 1-1/2" (38.1 mm) Diameter Standoff Bases

- Two 316 Stainless Finishes

CRL's 1-1/2" (38.1 mm) Diameter Standoff Bases are 3/8"-16 threaded at both ends up to 1" (25.4 mm) deep. They can be mounted using 3/8"-16 thread Allen Screws, Threaded Rods, or Hanger Bolts shown on the opposite page. Six standard lengths from 1/2" to 4" (12.7 to 101.6 mm) are stocked in Brushed or Polished 316 Stainless. Cap Assemblies (shown above) must be ordered separately.



### 1-1/2" (38.1 MM) DIAMETER STANDOFF BASES

LENGTH	BRUSHED 316 STAINLESS	POLISHED 316 STAINLESS
	CAT. NO.	CAT. NO.
1/2" (12.7 mm)	<b>SOB11212BS</b>	<b>SOB11212PS</b>
3/4" (19 mm)	<b>SOB11234BS</b>	<b>SOB11234PS</b>
1" (25.4 mm)	<b>SOB1121BS</b>	<b>SOB1121PS</b>
1-1/2" (38.1 mm)	<b>SOB112112BS</b>	<b>SOB112112PS</b>
2" (50.8 mm)	<b>SOB1122BS</b>	<b>SOB1122PS</b>
4" (101.6 mm)	<b>SOB1124BS</b>	<b>SOB1124PS</b>

Minimum order: 1 each. All Standoff Bases can be combined for quantity pricing.

- Six Standard Lengths



## CRL Standoff System Accessories for 1-1/2" (38.1 mm) Diameter Standoffs



Concrete Anchor

Hanger Bolt

Threaded Rod

Stainless Steel Allen Screws are available in incremental lengths from 1" (25.4 mm) to 2" (50.8 mm) for 1-1/2" (38.1 mm) diameter Standoffs.

### ALLEN SCREWS

CAT. NO.	FINISH	SIZE
AS381	Stainless Steel	3/8"-16 x 1" (25.4 mm)
AS38114	Stainless Steel	3/8"-16 x 1-1/4" (31.7 mm)
AS38112	Stainless Steel	3/8"-16 x 1-1/2" (38.1 mm)
AS38134	Stainless Steel	3/8"-16 x 1-3/4" (44.4 mm)
AS382	Stainless Steel	3/8"-16 x 2" (50.8 mm)

Minimum order: 10 each. Must be ordered in increments of 10.

Full 36" (914 mm) lengths of stainless or zinc Threaded Rod will permit you to cut Rod to desired length.

### THREADED RODS

CAT. NO.	FINISH	SIZE
TR3816X36S	Stainless	3/8"-16 x 36" (914 mm)
TR3816X36Z	Zinc	3/8"-16 x 36" (914 mm)

Minimum order: 1 each.

Hex and Nylock Hex Nuts are used with Allen Screws or Threaded Rod for securing 1-1/2" (38.1 mm) diameter Standoffs.

### HEX AND NYLOCK HEX NUTS

CAT. NO.	FINISH	TYPE	SIZE
HN3816S	Stainless	Hex	3/8"-16
HN3816Z	Zinc	Hex	3/8"-16
NLN3816S	Stainless	Nylock	3/8"-16
NLN3816Z	Zinc	Nylock	3/8"-16

Minimum order: 10 each. Must be ordered in increments of 10.

Flat and Lock Washers are used when attaching Standoffs to panels or substrates. Available in two finishes.

### FLAT AND LOCK WASHERS

CAT. NO.	FINISH	TYPE	SIZE
FW38S	Stainless	Flat	3/8"-16
FW38Z	Zinc	Flat	3/8"-16
LW38S	Stainless	Lock	3/8"-16
LW38Z	Zinc	Lock	3/8"-16

Minimum order: 10 each. Must be ordered in increments of 10.



Lock Washer



Flat Washer



Vinyl Washers



Allen Screw



Hanger Bolt Drivers make installing hanger bolts into wood studs a breeze.

### HANGER BOLT DRIVER

CAT. NO.	SIZE
165HB616	3/8" - 16

Minimum order: 1 each.



### STANDOFF WRENCH

The Standoff Wrench provides a quick and efficient method of tightening and loosening the Cap Assembly of Round Standoffs from 3/4" (19 mm) to 1-1/4" (31.8 mm) in diameter. Minimum order is one each.

### CAT. NO. SOW



Standoff Wrench



Nylock Hex Nut



Hex Nut



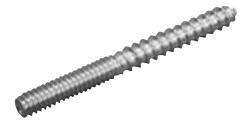
Tee Nut



Acorn Nut



Hanger Bolts are available in both stainless and zinc, and can be used in wood, or with plastic anchors.



### HANGER BOLTS

CAT. NO.	FINISH	SIZE
HB38112S	Stainless	3/8"-16 x 1-1/2" (38.1 mm)
HB38112Z	Zinc	3/8"-16 x 1-1/2" (38.1 mm)
HB38212S	Stainless	3/8"-16 x 2-1/2" (63.5 mm)
HB38212Z	Zinc	3/8"-16 x 2-1/2" (63.5 mm)

Minimum order: 1 each for Stainless; 10 each for Zinc.

Acorn Nuts are commonly used on Hanger Bolts to protect the thread during installation. Tee Nuts are mainly used in wood or plywood applications where they can be installed on the back side. Tee Nuts accept Allen Screws or Threaded Rod.



Acorn Nut



Tee Nut

### ACORN AND TEE NUTS

CAT. NO.	FINISH	TYPE	SIZE
ACN3816S	Stainless	Acorn	3/8"-16
ACN3816Z	Zinc	Acorn	3/8"-16
TN3816Z	Zinc	Tee	3/8"-16

Minimum order: 10 each. Must be ordered in increments of 10.

Use the Concrete Anchor when securing the Standoff Base to a cement or stone wall. Requires 7/16" hole in concrete.



### CONCRETE ANCHORS

CAT. NO.	SIZE
CA3816	3/8"-16

Minimum order: 1 each.

Vinyl Washers for 1-1/2" (38.1 mm) diameter Standoffs. Set consists of two washers, one with a grommet.



### VINYL WASHERS

CAT. NO.	DESCRIPTION
CWK112	Washer Set for 1-1/2" (38.1 mm) Standoffs

Minimum order: 1 pack.



## CRL 2" (50.8 mm) Diameter Standoff System

**new**

- Available in Brushed and Polished 316 Stainless Steel in Six Standard Lengths
- Secured With 3/8"-16 Threaded Stud
- Custom Sizes and Finishes Are Also Available



CRL's 2" (50.8 mm) Diameter Standoffs are available in Brushed or Polished 316 Stainless in a range of standard lengths from 1/2" to 4" (12.7 to 101.6 mm). They are frequently used to attach heavy glass, granite, and marble to cabinet tops and kitchen islands, a very popular trend in modern homes.

CRL has the ability to produce custom size Standoffs in different sizes, thread configurations, and finishes. This means you can always have the Standoff you need to suit your customer's needs. See pages Z658-Z659 for more information on Custom Standoffs.



## CRL Cap Assemblies for 2" (50.8 mm) Diameter Standoffs

CRL's 2" (50.8 mm) Standoff Caps are supplied with a 3/8"-16 x 1" (25.4 mm) Stainless Steel Allen Screw, one Washer with molded sleeve, and one plain Washer. They come in Brushed or Polished 316 Stainless finishes to match our 2" (50.8 mm) Diameter Standoff Bases. A hole in the side of the Cap is provided for tightening the Cap to the Standoff Base.



- Two 316 Stainless Finishes



### 2" (50.8 MM) ROUND CAP ASSEMBLY

CAT. NO.	FINISH
<b>CAP2BS</b>	Brushed Stainless
<b>CAP2PS</b>	Polished Stainless

Minimum order: 1 each. All Standoff Caps can be combined for quantity pricing.

### 2" (50.8 MM) REPLACEMENT WASHERS

CAT. NO.	DESCRIPTION
<b>CWK2</b>	Vinyl Washer Set

Minimum order: 1 pack.

## CRL 2" (50.8 mm) Diameter Standoff Bases

- Two 316 Stainless Finishes

CRL's 2" (50.8 mm) Diameter Standoff Bases can be mounted using the 3/8"-16 thread Allen Screws, Threaded Rods, or Hanger Bolts shown on the opposite page. They are 3/8"-16 threaded up to 1" (25.4 mm) deep at both ends, and stocked in six standard lengths from 1/2" to 4" (12.7 to 101.6 mm) in Brushed or Polished 316 Stainless. Cap Assemblies (shown above) must be ordered separately.



### 2" (50.8 MM) DIAMETER STANDOFF BASES

LENGTH	BRUSHED 316 STAINLESS	POLISHED 316 STAINLESS
	CAT. NO.	CAT. NO.
1/2" (12.7 mm)	<b>SOB212BS</b>	<b>SOB212PS</b>
3/4" (19 mm)	<b>SOB234BS</b>	<b>SOB234PS</b>
1" (25.4 mm)	<b>SOB21BS</b>	<b>SOB21PS</b>
1-1/2" (38.1 mm)	<b>SOB2112BS</b>	<b>SOB2112PS</b>
2" (50.8 mm)	<b>SOB22BS</b>	<b>SOB22PS</b>
4" (101.6 mm)	<b>SOB24BS</b>	<b>SOB24PS</b>

Minimum order: 1 each. All Standoff Bases can be combined for quantity pricing.

- Six Standard Lengths





## CRL Standoff System Accessories for 2" (50.8 mm) Diameter Standoffs



Concrete Anchor



Hanger Bolt



Threaded Rod



Allen Screw

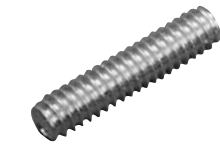
Stainless Steel Allen Screws are available in incremental lengths from 1" (25.4 mm) to 2" (50.8 mm) for 2" (50.8 mm) diameter Standoffs.

### ALLEN SCREWS

CAT. NO.	FINISH	SIZE
<b>AS381</b>	Stainless Steel	3/8"-16 x 1" (25.4 mm)
<b>AS38114</b>	Stainless Steel	3/8"-16 x 1-1/4" (31.7 mm)
<b>AS38112</b>	Stainless Steel	3/8"-16 x 1-1/2" (38.1 mm)
<b>AS38134</b>	Stainless Steel	3/8"-16 x 1-3/4" (44.4 mm)
<b>AS382</b>	Stainless Steel	3/8"-16 x 2" (50.8 mm)

Minimum order: 10 each. Must be ordered in increments of 10 each.

Full 36" (914 mm) lengths of stainless or zinc Threaded Rod will permit you to cut Rod to desired length.



### THREADED RODS

CAT. NO.	FINISH	SIZE
<b>TR3816X36S</b>	Stainless	3/8"-16 x 36" (914 mm)
<b>TR3816X36Z</b>	Zinc	3/8"-16 x 36" (914 mm)

Minimum order: 1 each.

Hex and Nylock Hex Nuts are used with Allen Screws or Threaded Rod for securing 2" (50.8 mm) diameter Standoffs.



Hex Nut



Nylock Hex Nut

### HEX AND NYLOCK HEX NUTS

CAT. NO.	FINISH	TYPE	SIZE
<b>HN3816S</b>	Stainless	Hex	3/8"-16
<b>HN3816Z</b>	Zinc	Hex	3/8"-16
<b>NLN3816S</b>	Stainless	Nylock	3/8"-16
<b>NLN3816Z</b>	Zinc	Nylock	3/8"-16

Minimum order: 10 each. Must be ordered in increments of 10 each.

Flat and Lock Washers are used when attaching Standoffs to panels or substrates. Available in two finishes.



Flat Washer



Lock Washer

### FLAT AND LOCK WASHERS

CAT. NO.	FINISH	TYPE	SIZE
<b>FW38S</b>	Stainless	Flat	3/8"-16
<b>FW38Z</b>	Zinc	Flat	3/8"-16
<b>LW38S</b>	Stainless	Lock	3/8"-16
<b>LW38Z</b>	Zinc	Lock	3/8"-16

Minimum order: 10 each. Must be ordered in increments of 10 each.



Nylock Hex Nut



Hex Nut



Tee Nut



Acorn Nut



Vinyl Washers



Lock Washer



Flat Washer

Hanger Bolt Drivers make installing hanger bolts into wood studs a breeze.

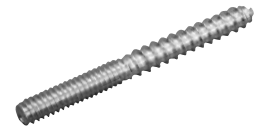


### HANGER BOLT DRIVER

CAT. NO.	SIZE
<b>165HB616</b>	3/8" - 16

Minimum order: 1 each.

Hanger Bolts are available in both stainless and zinc, and can be used in wood, or with plastic anchors.



### HANGER BOLTS

CAT. NO.	FINISH	SIZE
<b>HB38112S</b>	Stainless	3/8"-16 x 1-1/2" (38.1 mm)
<b>HB38112Z</b>	Zinc	3/8"-16 x 1-1/2" (38.1 mm)
<b>HB38212S</b>	Stainless	3/8"-16 x 2-1/2" (63.5 mm)
<b>HB38212Z</b>	Zinc	3/8"-16 x 2-1/2" (63.5 mm)

Minimum order: 1 each for Stainless; 10 each for Zinc.

Acorn Nuts are commonly used on Hanger Bolts to protect the thread during installation. Tee Nuts are mainly used in wood or plywood applications where they can be installed on the back side. Tee Nuts accept Allen Screws or Threaded Rod.



Acorn Nut



Tee Nut

### ACORN AND TEE NUTS

CAT. NO.	FINISH	TYPE	SIZE
<b>ACN3816S</b>	Stainless	Acorn	3/8"-16
<b>ACN3816Z</b>	Zinc	Acorn	3/8"-16
<b>TN3816Z</b>	Zinc	Tee	3/8"-16

Minimum order: 10 each. Must be ordered in increments of 10 each.

Use the Concrete Anchor when securing the Standoff Base to a cement or stone wall. Requires 7/16" hole in concrete.



### CONCRETE ANCHORS

CAT. NO.	SIZE
<b>CA3816</b>	3/8"-16

Minimum order: 1 each.

Vinyl Washers for 2" (50.8 mm) diameter Standoffs. Set consists of two washers, one with a grommet.



### VINYL WASHERS

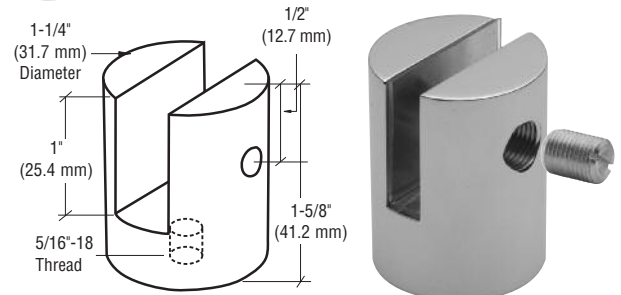
CAT. NO.	DESCRIPTION
<b>CWK2</b>	Washer Set for 2" (50.8 mm) Standoffs

Minimum order: 1 pack.

## CRL Slot Mount Standoffs

- Designed to Hold 1/4" (6.3 mm), 3/8" (9.5 mm) or 1/2" (12.7 mm) Thick Panels
- No Drilling Required for Installation

CRL's Slot Mount Standoffs are designed to be mounted either vertically or horizontally, and can be used for installing partition panels, shelving or signage without drilling holes in the material. Nylon tip set screws hold panels firmly in place without damaging panel material or glass. These 1-1/4" (31.7 mm) diameter Standoff Bases are available in brass, chrome, satin chrome, brushed stainless, and gun metal finishes. CRL's Standoff System Accessories can also be used for various mounting and installation options.



MATERIAL THICKNESS	BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.	BRUSHED STAINLESS CAT. NO.	GUN METAL CAT. NO.
1/4" (6.3 mm)	SM14BR	SM14CH	SM14SC	SM14BS	SM14GM
3/8" (9.5 mm)	SM38BR	SM38CH	SM38SC	SM38BS	SM38GM
1/2" (12.7 mm)	SM12BR	SM12CH	SM12SC	SM12BS	SM12GM

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

### • Five Decorator Finishes

#### Slot Mount Standoff Assemblies Consist of:

- 1 Each Standoff
- 1 Each Nylon Tip Set Screw
- 1 Each Clear Gasket

Due to the diversified variety of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

## CRL Stainless Steel Standoff

- 1-3/16" (30.1 mm) Diameter
- Used to Mount Glass Panels to Walls, Brackets or Columns
- Durable High Tech Finish



This CRL Stainless Steel Standoff Assembly is very popular in architectural applications to secure a lite of glass to a threaded metal bracket or column without the use of a frame. The glass is fabricated with the required holes, and then secured with the Standoff to create a frameless appearance. The Cat. No. SW30 Spanner Wrench is used to secure the Cap Assembly to the Standoff Base.

The Stainless Steel Standoff is designed to be used with panels ranging in thickness from 1/4" to 1/2" (6.3 to 12.7 mm). The maximum recommended panel size for 1/2" (12 mm) glass is 39" x 79" (990 x 2006 mm), with a maximum weight per attachment point of 55 pounds (25 kg). A 5/8" (16 mm) drilled hole is required for installation. **NOTE:** The SS30 Standoff is not compatible with other CRL Standoff Systems.

#### The SS30 Standoff Assembly Consists of:

- 1 Cap - 1/4" (6.3 mm) Thick; 1 Base - 3/8" (9.5 mm) Thick;
- 1 Allen Screw - M8 Metric Thread x 1-3/4" (44 mm) Long;
- 2 Vinyl Washers - 1-3/16" (30 mm) Diameter; 1 Vinyl Sleeve - 3/16" (5 mm) Long.



Spanner Wrench

CAT. NO.	DESCRIPTION
SS30	Stainless Steel Standoff
SW30	Spanner Wrench

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

Due to the diversified variety of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

## CRL Edge Grip Display System



**EG14**  
for 1/4" (6.3 mm)  
Thick Panels



**EG38**  
for 3/8" (9.5 mm)  
Thick Panels



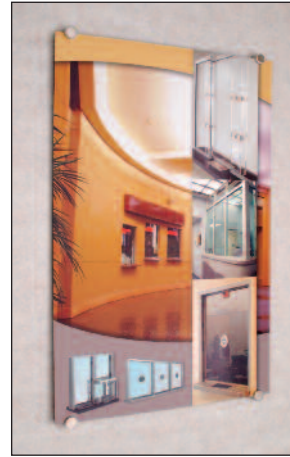
**EG12**  
for 1/2" (12.7 mm)  
Thick Panels

- **Designed to Hold Glass, Acrylic, Metal or Wood Panels in Thicknesses of 1/4" (6.3 mm), 3/8" (9.5 mm), or 1/2" (12.7 mm)**
- **No Drilling Required in Glass or Panel Materials**

CRL's Edge Grips provide additional flexibility in attaching decorative panels or signage to walls or substrates. The Edge Grip allows material to be held to the wall without drilling holes in the face material. This allows for quick installation or adjustment of panels mounted in Edge Grips. 1-1/4" (31.7 mm) diameter Edge Grips are available in Brass, Chrome, Satin Chrome, Brushed 316 Stainless, and Gun Metal finishes, and are compatible with CRL Standoffs. We recommend CRL Edge Grips be used at the top, bottom, and sides of heavier panels for maximum support.

### Edge Grip Specs

Diameter: 1-1/4" (31.7 mm)  
EG14 Length: 1-1/16" (27 mm)  
EG38 Length: 1-1/8" (28.6 mm)  
EG12 Length: 1-3/16" (30.1 mm)



Edge Grips are perfect for signs or posters



Edge Grips shown in use on display columns commonly found in museums, at trade shows, etc.

### EDGE GRIPS

MATERIAL THICKNESS	BRASS CAT. NO	CHROME CAT. NO.	SATIN CHROME CAT. NO.	BRUSHED 316 STAINLESS CAT. NO.	GUN METAL CAT. NO.
1/4" (6.3 mm)	EG14BR	EG14CH	EG14SC	EG14BS	EG14GM
3/8" (9.5 mm)	EG38BR	EG38CH	EG38SC	EG38BS	EG38GM
1/2" (12.7 mm)	EG12BR	EG12CH	EG12SC	EG12BS	EG12GM
Cover Disk*	EGD1SKBR	EGD1SKCH	EGD1SKSC	EGD1SKBS	EGD1SKGM

Minimum order: 1 each. All Edge Grips can be combined for quantity pricing.  
\*One Cover Disk comes with each Edge Grip. Additional Cover Disks sold separately.

### REPLACEMENT SCREWS FOR EDGE GRIPS

CAT. NO.	DESCRIPTION
EGCS	5/16"-18 Socket Head Cap Screw
EGNS	Nylon Tipped Allen Screw

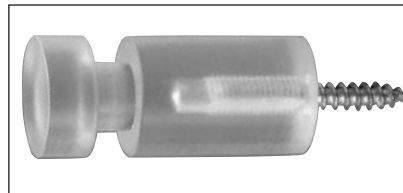
Minimum order: 1 each.

## CRL Framepegs

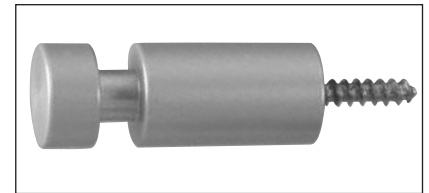
**new**

- **Quickly and Easily Install Lightweight Mirrors, Signs, Artwork or Posters**
- **Available in Aluminum or Acrylic**

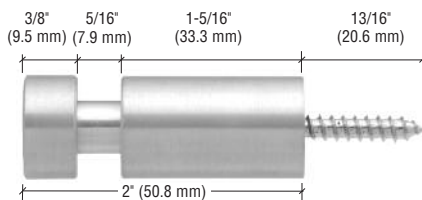
CRL Framepegs are a new and easy to use method of displaying art objects, mirror, signage or posters without drilling holes in the items being displayed. Framepegs are ideal for either retail or residential applications, and can accept panels or objects up to 1/4" (6.3 mm) thick, with a maximum weight of 33 pounds (15 kg). Available in aluminum or acrylic material, Framepegs can be used individually as a hook, in pairs to support an item at the bottom, or at both the top and bottom to provide maximum support. CRL Framepegs ship in a pack of four each with wall anchors and installation instructions.



Acrylic Style Framepegs

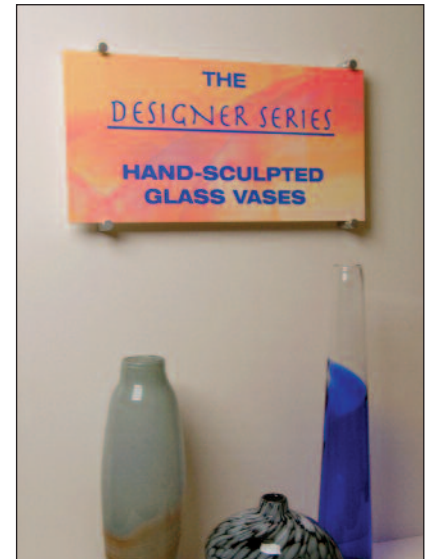


Aluminum Style Framepegs



CAT. NO.	DIAMETER	DESCRIPTION
FPAC4	7/8" (22.2 mm)	Acrylic Set of 4
FPAL4	3/4" (19 mm)	Aluminum Set of 4

Minimum order: 1 pack.





## CRL Custom Manufactured Standoff Service

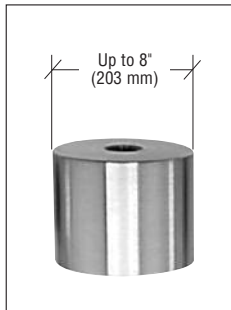
- Available in the Following Finishes: Polished Stainless, Brushed Stainless, Polished Brass, Satin Brass, Sandblasted Stainless Steel, and Powder Paint
- Custom Finishes Are Also Available
- Choose From a Variety of Bar Stock Dimensions
- Lengths Up to 60" (1524 mm)
- Machined to Your Specifications
- Timely Delivery



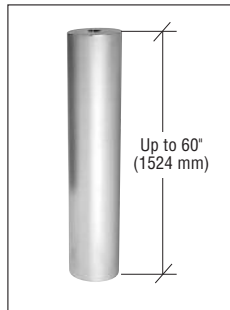
CRL Custom Standoff Fittings may require machining, welding, bending, and special finishing. This can all be accomplished with our in-house equipment for the fastest delivery time in the industry. Not only will we bring your design to reality, but our Technical Sales staff is here to assist you with alternate designs or suggestions. We work every day with our customers to fulfill their glass attachment needs. Fax or e-mail your Custom Standoff requirements to CRL Technical Sales and we will quickly respond with a quotation.



Custom Cap Diameters



Custom Base Diameters



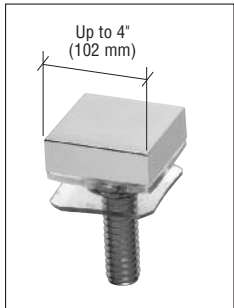
Custom Base Heights



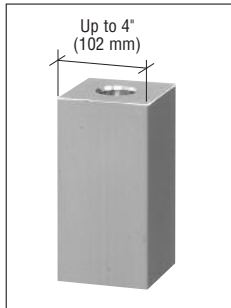
Bending  
(on Selected Diameters)



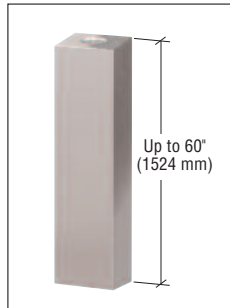
Welding on All Diameters



Custom Square Caps



Custom Square Base Widths



Custom Square Base Heights

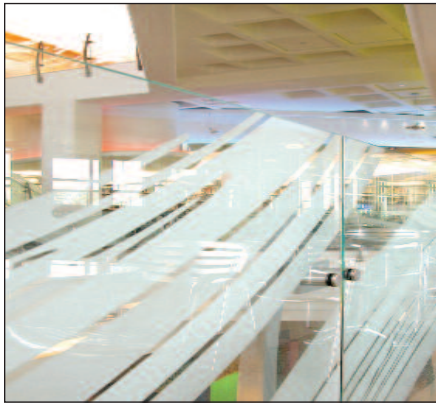


Precision Machining



270,000 Sq. Ft. California Manufacturing Facility

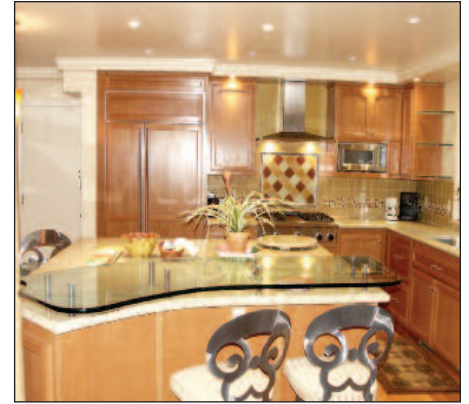
## CRL Custom Manufactured Standoff Service



**Custom Railing**



**Custom Counter**



**Custom Table Top**

In addition to our large selection of off-the-shelf Standoff Hardware, CRL also offers Custom Standoffs manufactured to meet your needs. Standoffs are used today in many different areas. Innovative uses include large diameter Standoffs for a 1" thick glass bench on top of a wall, long Standoffs for legs on counters or desks, angled Standoffs for designer applications, and many others. Large users of Standoffs are the exhibit industry, the restaurant industry, display manufacturers, furniture designers, cabinet makers, and sign shops.

Standoffs can be seen on news commentator sets, reception counters, kitchen counter overhangs, vertical dividers on top of office partitions, and business information centers. Because of the many different design requirements, we offer custom manufactured units made to order in our 270,000 square foot Los Angeles, California manufacturing plant. Our in-house machining room, polishing center, and powder paint line allow us to give you the fastest service in the industry.

## Making Your Design from Scratch

### Inquiring



Discussing Your Ideas with Our Technical Sales Representatives

### Ordering



Approving the Quotation and Placing the Order

### Fabricating



Your Design is Machined at Our Factory

### Finishing



Our Modern Polishing Room Guarantees a Beautiful Finish

### Painting



We Can Powder Paint Over 250 RAL Colors

### Packaging



All Items are Carefully Packed to Prevent Damage

### Shipping



Your Order Can Be Shipped or Picked Up at Any CRL Location

### At Your Door



Product Received and Ready for Installation

For additional information, or for a quote, 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](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.





## Recommendations for Use of CRL Mall Front Clamps



In early installations of interior mall fronts, it was found that butt glazed glass panels supported only on the top and bottom could bow enough to allow clothing or body parts to be captured between the panels. Mall Front Clamps were designed to help reduce this "differential deflection" to be no more than the thickness of the glass. The use of Mall Front Clamps is not only recommended, in some areas they are required by code. Below is a guide that shows recommended use of our Mall Front Clamps for 3/8" and 1/2" (10 and 12 mm) fully tempered glass.

**NOTE:** Mall Front Clamps will NOT add structural strength or rigidity to an opening. Where strength or overall rigidity are a factor the use of stabilizing fins needs to be considered. These are only recommendations. Please refer to your local building codes and officials for specific requirements. 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. 7700. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

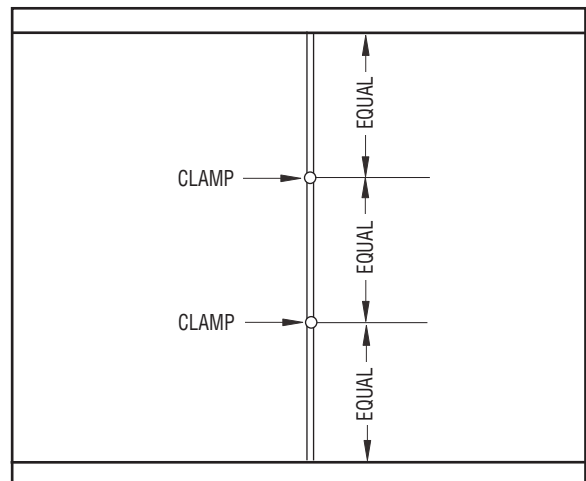
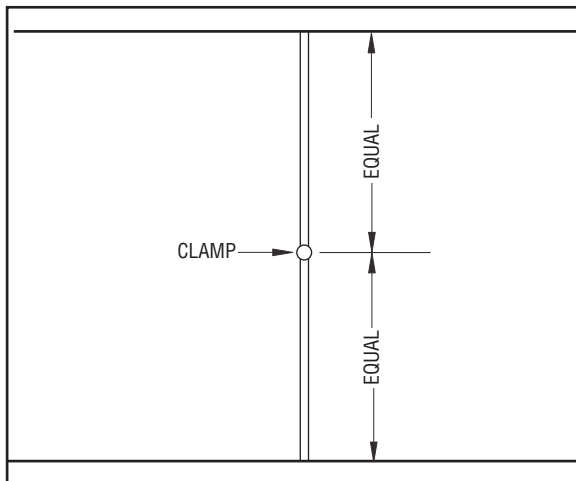
### Mall Front Clamp Spacing

- Recommended Use of Mall Front Clamps for Butt Glazed Interior Panels Captured Only at Top and Bottom



3/8" and 1/2" (10 and 12 mm) Panels Up to 96" (2.4 m) in Height

3/8" and 1/2" (10 and 12 mm) Panels Over 96" (2.4 m) in Height



#### One Clamp Centered

Minimum of one clamp centered, not to exceed 48" (1.2 m) spacing from top or bottom edges of glass

#### Two Clamps Equally Spaced

Minimum of two clamps equally spaced, not to exceed 48" (1.2 m) apart



## CRL Mall Front Clamps

- A Choice of High Tech, Contemporary Designs for Use With 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass
- Commonly Used in Malls for Joining Vertical Joints of Glass Wall Panels
- Reduces Panel Deflection
- Custom Finishes Available

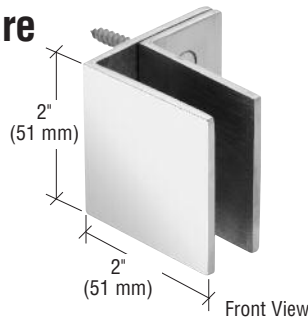
Mall Front Clamps join vertical glass wall panels and provide rigidity to reduce flexing when pressure is applied. They can also serve as floating indicators to alert pedestrians of a panel's presence in dimly lit areas. All CRL Mall Front Clamps come in polished brass, polished stainless, or brushed stainless finishes, and are designed for use with 3/8" to 1/2" (10 to 12 mm) thick glass. **NOTE:** All Mall Front Clamps are intended for interior applications only.



### CRL Wall Mount Square Mall Front Clamp

- For 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass

**new**



CRL Wall Mount Mall Front Clamps join vertical glass wall panels to walls and provide rigidity to reduce flexing when pressure is applied. Supplied with two wood screws for installation.

CAT. NO.	FINISH
MFCW10	Polished Stainless
MFCW11	Brushed Stainless
MFCW12	Polished Brass

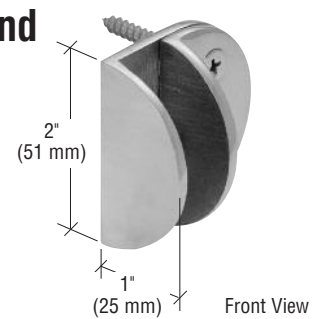


Minimum order: 1 each. All Mall Clamps can be combined for quantity pricing.

### CRL Wall Mount Round Mall Front Clamp

- For 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass

**new**



CRL Wall Mount Mall Front Clamps join vertical glass wall panels to walls and provide rigidity to reduce flexing when pressure is applied. Supplied with two wood screws for installation.

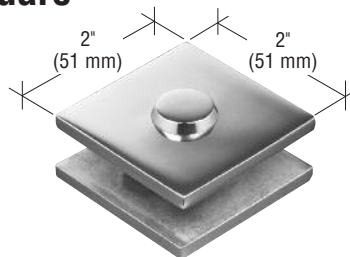
CAT. NO.	FINISH
MFCW14	Polished Stainless
MFCW15	Brushed Stainless
MFCW16	Polished Brass



Minimum order: 1 each. All Mall Clamps can be combined for quantity pricing.

### CRL 180 Degree Square Mall Front Clamp

- For 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass



This 2" x 2" (51 x 51 mm) 180 Degree Square Mall Front Clamp attaches with a single beveled nut (included). Suggested minimum gap between tempered glass panels is 7/32" (5.6 mm).

CAT. NO.	FINISH
MFC10	Polished Stainless
MFC11	Brushed Stainless
MFC12	Polished Brass



Minimum order: 1 each. All Mall Clamps can be combined for quantity pricing. To use on 3/8" (10 mm) glass simply file the threaded shank to the desired size.

### CRL 180 Degree Round Mall Front Clamp

- For 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass



This 2" (51 mm) diameter 180 Degree Round Mall Front Clamp attaches with a single beveled nut (included). Suggested minimum gap between tempered glass panels is 7/32" (5.6 mm).

CAT. NO.	FINISH
MFC14	Polished Stainless
MFC15	Brushed Stainless
MFC16	Polished Brass

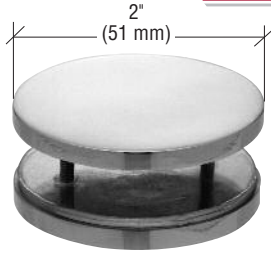


Minimum order: 1 each. All Mall Clamps can be combined for quantity pricing. To use on 3/8" (10 mm) glass simply file the threaded shank to the desired size.

## CRL 180 Degree Round Mall Front Clamp

**new**

- For 3/8" to 3/4" (10 to 19 mm) Thick Tempered Glass



This 2" (51 mm) diameter 180 Degree Round Mall Front Clamp attaches with two flat head Phillips screws (included). Suggested minimum gap between tempered glass panels is 7/32" (5.6 mm).

CAT. NO.	FINISH
MFC30	Polished Stainless
MFC31	Brushed Stainless

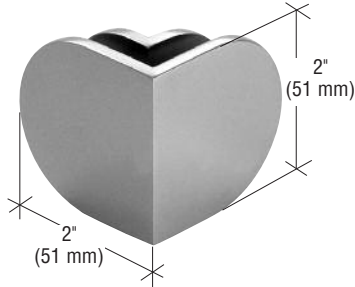


Minimum order: 1 each. All Mall Clamps can be combined for quantity pricing.

## CRL 90 Degree Round Mall Front Clamp

**new**

- For 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass



This 90 Degree Round Mall Front Clamp installs using our Cat. No. 491012 or AT04012 Clear Very Hi-Bond Tape and Cat. No. RTV408C Neutral Cure Silicone (please visit [crlaurence.com](http://crlaurence.com) for more information).

CAT. NO.	FINISH
MFC34	Polished Stainless
MFC35	Brushed Stainless

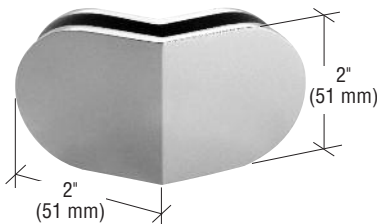


Minimum order: 1 each. All Mall Clamps can be combined for quantity pricing.

## CRL 135 Degree Round Mall Front Clamp

**new**

- For 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass



This 135 Degree Round Mall Front Clamp installs using our Cat. No. 491012 or AT04012 Clear Very Hi-Bond Tape and Cat. No. RTV408C Neutral Cure Silicone (please visit [crlaurence.com](http://crlaurence.com) for more information).

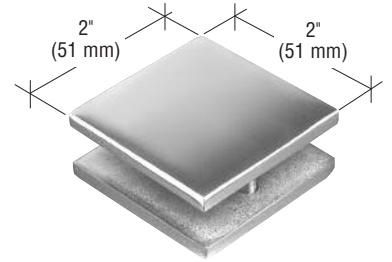
CAT. NO.	FINISH
MFC38	Polished Stainless
MFC39	Brushed Stainless



Minimum order: 1 each. All Mall Clamps can be combined for quantity pricing.

## CRL 180 Degree Square Mall Front Clamp

- For 3/8" to 3/4" (10 to 19 mm) Thick Tempered Glass



This 2" x 2" (51 x 51 mm) 180 Degree Square Mall Front Clamp attaches with two flat head Phillips screws (included). Suggested minimum gap between tempered glass panels is 7/32" (5.6 mm).

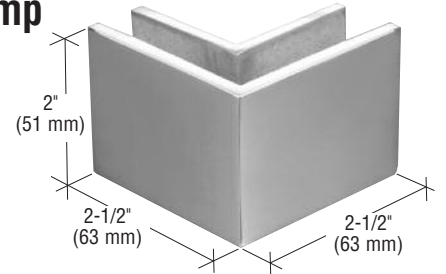
CAT. NO.	FINISH
MFC18	Polished Stainless
MFC19	Brushed Stainless
MFC20	Polished Brass



Minimum order: 1 each. All Mall Clamps can be combined for quantity pricing.

## CRL 90 Degree Square Mall Front Clamp

- For 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass



This 90 Degree Square Mall Front Clamp installs using our Cat. No. 491012 or AT04012 Clear Very Hi-Bond Tape and Cat. No. RTV408C Neutral Cure Silicone (please visit [crlaurence.com](http://crlaurence.com) for more information).

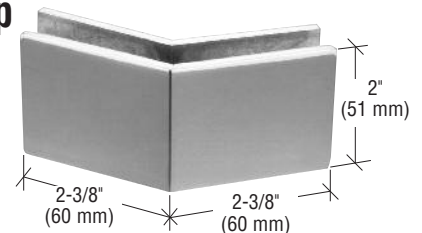
CAT. NO.	FINISH
MFC22	Polished Stainless
MFC23	Brushed Stainless
MFC24	Polished Brass



Minimum order: 1 each. All Mall Clamps can be combined for quantity pricing.

## CRL 135 Degree Square Mall Front Clamp

- For 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass



This 135 Degree Square Mall Front Clamp installs using our Cat. No. 491012 or AT04012 Clear Very Hi-Bond Tape and Cat. No. RTV408C Neutral Cure Silicone (please visit [crlaurence.com](http://crlaurence.com) for more information).

CAT. NO.	FINISH
MFC26	Polished Stainless
MFC27	Brushed Stainless
MFC28	Polished Brass



Minimum order: 1 each. All Mall Clamps can be combined for quantity pricing.

## CRL Mini Mall Front Clamps



**CAT. NO. MC112BN**  
Brushed Nickel Finish  
Solid Brass



**CAT. NO. MC112BR**  
Brass Finish  
Solid Brass



**CAT. NO. MC112CH**  
Chrome Finish  
Solid Brass

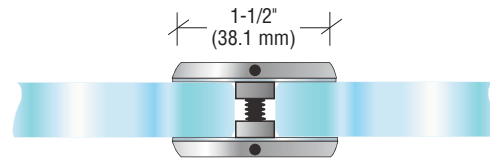


**CAT. NO. MC112A**  
Satin Anodized  
Aluminum



**CAT. NO. MC112BL**  
Black Anodized  
Aluminum

- Perfect for Joining Vertical Interior Panels of Heavy Glass in Malls
- For Use With 3/8" to 1/2" (10 to 12 mm) Tempered Glass
- Custom Finishes Available



CRL Mini Mall Front Clamps are used to join vertical glass panels. They make it more difficult to pinch fingers or clothing between glass panels. Mini Mall Clamps will work with 3/8" to 1/2" (10 to 12 mm) thick tempered glass, and are easy to install. The round cap is tightened by simply putting a 3/32" drill in the round hole in the beveled edge and turning.

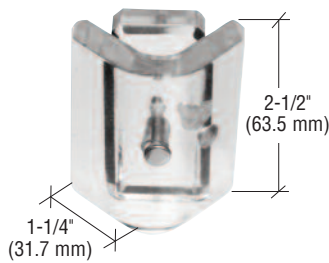
1-1/2" (38.1 mm) diameter Clamps are available with a solid brass construction in a choice of brushed nickel, brass or chrome finishes, or aluminum construction in a choice of satin anodized or black finishes. Suggested minimum gap between panels is 1/4" (6 mm).

For custom finishes, 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](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

CAT. NO.	MATERIAL	FINISH
MC112BN	Solid Brass	Brushed Nickel
MC112BR	Solid Brass	Brass
MC112CH	Solid Brass	Chrome
MC112A	Aluminum	Satin Anodized
MC112BL	Aluminum	Black Anodized

Minimum order: 1 each.  
All Mall Clamps can be combined for quantity pricing.

## CRL Clear Acrylic Mall Glass Clamps



**CAT. NO. AMC90**  
90 Degrees



**CAT. NO. AMC135**  
135 Degrees



**CAT. NO. AMC180**  
180 Degrees



- For Use With 3/8" to 1/2" (10 to 12 mm) Tempered Glass
- Clear Acrylic Appearance Blends in With Glass

- Available in Three Styles
- Chrome Caps Hide Screws



CRL Clear Acrylic Mall Glass Clamps provide the perfect solution for heavy plate glass panels installed in mall fronts, and can be used for a variety of glass installations. The clear acrylic look blends in with the glass, making them almost invisible. A piece of vinyl tubing protects the glass from the #6-32 screw, and a chrome cap hides the screw after it has been installed.

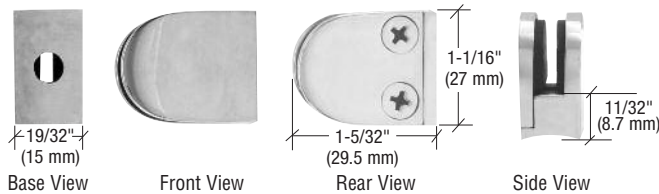
CAT. NO.	MATERIAL	STYLE
AMC90	Clear Acrylic	90 Degree Angle
AMC135	Clear Acrylic	135 Degree Angle
AMC180	Clear Acrylic	180 Degree Angle

Minimum order: 1 each.  
All Mall Clamps can be combined for quantity pricing.



## CRL Mini Z-Series Glass Clamps Round Shape – Radius Base

- For 1/4" (6 mm) Thick Glass
- Fits 1" (25 mm) Diameter Tubing
- No Hole Drilling; Pressure Fit
- Ideal for Small Glass Barriers

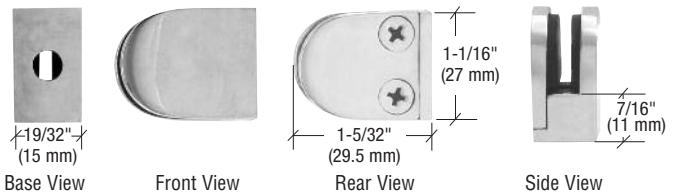


CAT. NO.	FINISH	BASE METAL	GLASS THICKNESS
ZMR06PS	Polished Stainless	Stainless Steel	1/4" (6 mm)
ZMR06SS	Satin Stainless	Stainless Steel	1/4" (6 mm)

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

## CRL Mini Z-Series Glass Clamps Round Shape – Flat Base

- For 1/4" (6 mm) Thick Glass
- For Mounting to Flat Surfaces
- No Hole Drilling; Pressure Fit
- Ideal for Small Glass Barriers



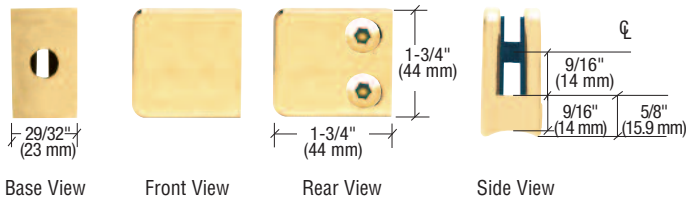
CAT. NO.	FINISH	BASE METAL	GLASS THICKNESS
ZMF06PS	Polished Stainless	Stainless Steel	1/4" (6 mm)
ZMF06SS	Satin Stainless	Stainless Steel	1/4" (6 mm)

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

## CRL Z-Series Small Square Glass Clamps

- May be Used on Radius or Flat Surfaces

Glass Fabrication: 1/2" (12 mm) Diameter Hole Required if Using Provided Steel Pin



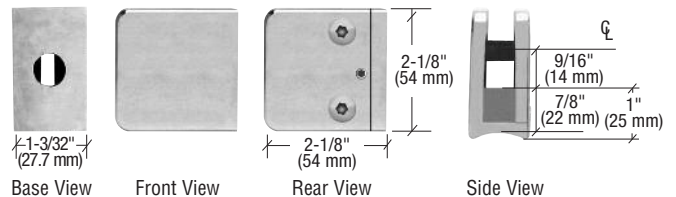
CAT. NO.	FINISH	BASE METAL	GLASS THICKNESS
Z130BR	Brass	Zinc Casting	1/4" to 5/16" (6 to 8 mm)
Z130CH	Chrome	Zinc Casting	1/4" to 5/16" (6 to 8 mm)
Z130SC	Satin Chrome	Zinc Casting	1/4" to 5/16" (6 to 8 mm)
Z130BN	Brushed Nickel	Zinc Casting	1/4" to 5/16" (6 to 8 mm)
Z130GP	Gold Plated	Zinc Casting	1/4" to 5/16" (6 to 8 mm)
Z130W	White	Zinc Casting	1/4" to 5/16" (6 to 8 mm)
Z150PS	Polished Stainless	Stainless Steel	1/4" to 5/16" (6 to 8 mm)
Z150SS	Satin Stainless	Stainless Steel	1/4" to 5/16" (6 to 8 mm)

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

## CRL Z-Series Large Square Glass Clamps

- May be Used on Radius or Flat Surfaces

Glass Fabrication: 1/2" (12 mm) Diameter Hole Required if Using Provided Steel Pin

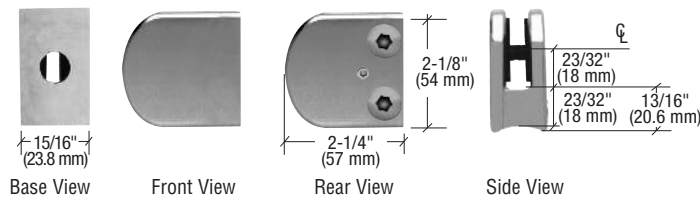


CAT. NO.	FINISH	BASE METAL	GLASS THICKNESS
Z135BR	Brass	Zinc Casting	3/8" (10 mm)
Z135CH	Chrome	Zinc Casting	3/8" (10 mm)
Z135SC	Satin Chrome	Zinc Casting	3/8" (10 mm)
Z135BN	Brushed Nickel	Zinc Casting	3/8" (10 mm)
Z135GP	Gold Plated	Zinc Casting	3/8" (10 mm)
Z135W	White	Zinc Casting	3/8" (10 mm)
Z155PS	Polished Stainless	Stainless Steel	3/8" (10 mm)
Z155SS	Satin Stainless	Stainless Steel	3/8" (10 mm)

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

## CRL Z-Series Large Round Glass Clamps for 1/4" (6 mm) Glass

- May be Used on Radius or Flat Surfaces

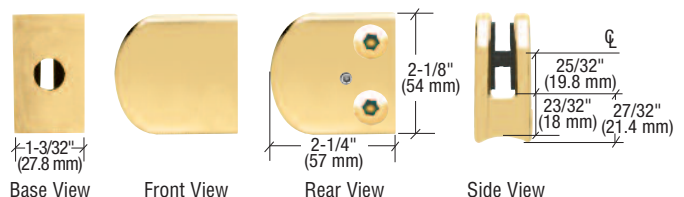


CAT. NO.	FINISH	BASE METAL	GLASS THICKNESS	Glass Fabrication:
Z106BR	Brass	Zinc Casting	1/4" (6 mm)	1/2" (12 mm)
Z106CH	Chrome	Zinc Casting	1/4" (6 mm)	1/2" (12 mm)
Z106SC	Satin Chrome	Zinc Casting	1/4" (6 mm)	Diameter Hole Required if
Z106BN	Brushed Nickel	Zinc Casting	1/4" (6 mm)	Using Provided
Z106GP	Gold Plated	Zinc Casting	1/4" (6 mm)	Steel Pin
Z106W	White	Zinc Casting	1/4" (6 mm)	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

## CRL Z-Series Large Round Glass Clamps for 3/8" (10 mm) Glass

- May be Used on Radius or Flat Surfaces



CAT. NO.	FINISH	BASE METAL	GLASS THICKNESS	Glass Fabrication:
Z110BR	Brass	Zinc Casting	3/8" (10 mm)	1/2" (12 mm)
Z110CH	Chrome	Zinc Casting	3/8" (10 mm)	1/2" (12 mm)
Z110SC	Satin Chrome	Zinc Casting	3/8" (10 mm)	Diameter Hole Required if
Z110BN	Brushed Nickel	Zinc Casting	3/8" (10 mm)	Using Provided
Z110GP	Gold Plated	Zinc Casting	3/8" (10 mm)	Steel Pin
Z110W	White	Zinc Casting	3/8" (10 mm)	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

## CRL Z-Series Round Type Radius Base Glass Clamps



Models for Round Tubing Installations

### SPECIFICATIONS:

**Glass Thicknesses:** Models for 1/4" to 1/2" (6 to 12 mm).

**Base Design:** Radius.

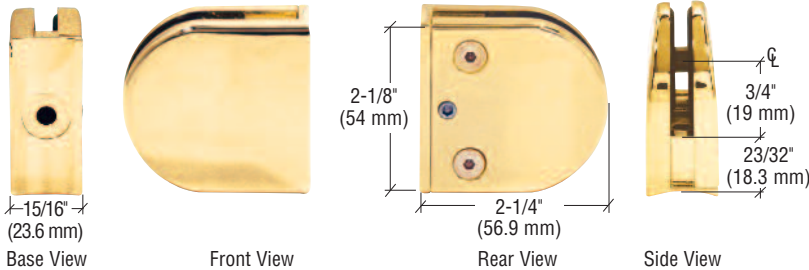
**For Use With:** 1-1/2" or 2" (38.1 or 50.8 mm) Diameter Round Tubing.

**Material:** Choice of Zinc Constructed or Stainless Steel. Stainless Steel or Powder Painted Zinc Clamps are recommended for more durability in exterior applications.

**Glass Fabrication:** For 1/4" (6 mm), 5/16" (8 mm), and 3/8" (10 mm) Thick Glass: 1/2" (12 mm) diameter hole required if using provided steel pin for glass support. For 1/2" (12 mm) Thick Glass: 9/16" (14 mm) diameter hole required if using provided steel pin for glass support.

**Includes:** Rubber Gaskets and Steel Pin (for optional use) with Grommet.

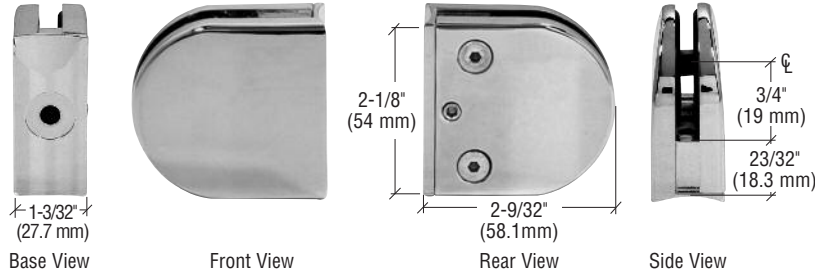
### For 1/4" (6 mm) and 5/16" (8 mm) Glass



CAT. NO.	FINISH	TUBE DIA.	BASE METAL
Z206BR	Brass	2" (50.8 mm)	Zinc Casting
Z206CH	Chrome	2" (50.8 mm)	Zinc Casting
Z206SC	Satin Chrome	2" (50.8 mm)	Zinc Casting
Z206BN	Brushed Nickel	2" (50.8 mm)	Zinc Casting
Z206GP	Gold Plated	2" (50.8 mm)	Zinc Casting
Z206W	White	2" (50.8 mm)	Zinc Casting
Z306BS	Brushed Stainless	2" (50.8 mm)	Stainless Steel
Z306PS	Polished Stainless	2" (50.8 mm)	Stainless Steel
Z15306BS	Brushed Stainless	1-1/2" (38.1 mm)	Stainless Steel
Z15306PS	Polished Stainless	1-1/2" (38.1 mm)	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

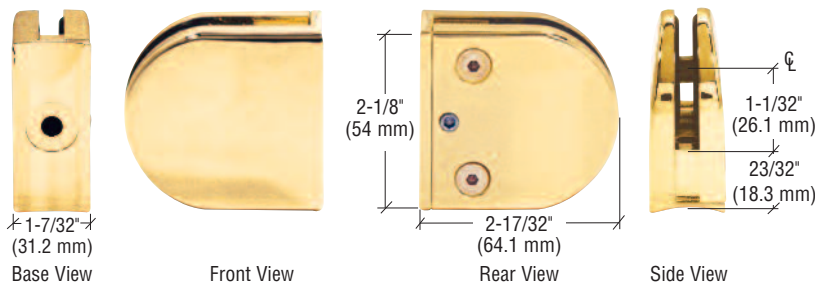
### For 3/8" (10 mm) Glass



CAT. NO.	FINISH	TUBE DIA.	BASE METAL
Z210BR	Brass	2" (50.8 mm)	Zinc Casting
Z210CH	Chrome	2" (50.8 mm)	Zinc Casting
Z210SC	Satin Chrome	2" (50.8 mm)	Zinc Casting
Z210BN	Brushed Nickel	2" (50.8 mm)	Zinc Casting
Z210GP	Gold Plated	2" (50.8 mm)	Zinc Casting
Z210W	White	2" (50.8 mm)	Zinc Casting
Z310BS	Brushed Stainless	2" (50.8 mm)	Stainless Steel
Z310PS	Polished Stainless	2" (50.8 mm)	Stainless Steel
Z15310BS	Brushed Stainless	1-1/2" (38.1 mm)	Stainless Steel
Z15310PS	Polished Stainless	1-1/2" (38.1 mm)	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

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



CAT. NO.	FINISH	TUBE DIA.	BASE METAL
Z212BR	Brass	2" (50.8 mm)	Zinc Casting
Z212CH	Chrome	2" (50.8 mm)	Zinc Casting
Z212SC	Satin Chrome	2" (50.8 mm)	Zinc Casting
Z212BN	Brushed Nickel	2" (50.8 mm)	Zinc Casting
Z212GP	Gold Plated	2" (50.8 mm)	Zinc Casting
Z212W	White	2" (50.8 mm)	Zinc Casting
Z312BS	Brushed Stainless	2" (50.8 mm)	Stainless Steel
Z312PS	Polished Stainless	2" (50.8 mm)	Stainless Steel
Z15312BS	Brushed Stainless	1-1/2" (38.1 mm)	Stainless Steel
Z15312PS	Polished Stainless	1-1/2" (38.1 mm)	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

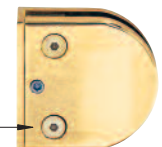
### CRL Z-Clamp Replacement Screws

CAT. NO.	FINISH
ZCS5X15BR	Brass
ZCS5X15CH	Chrome
ZCS5X15SS	Stainless Steel

• 8 Screws per Pack



ZCS5X15 Screw



Minimum order: 1 pack.

## CRL Z-Series Round Type Flat Base Glass Clamps



Models for Flat Surface Installations

### SPECIFICATIONS:

**Glass Thicknesses:** Models for 1/4" to 1/2" (6 to 12 mm).

**Base Design:** Flat.

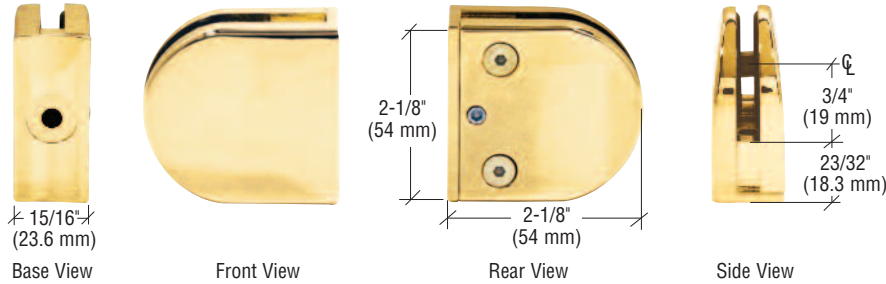
**For Use With:** Square Tubing or Other Flat Surfaces.

**Material:** Choice of Zinc Constructed or Stainless Steel. Stainless Steel or Powder Painted Zinc Clamps are recommended for more durability in exterior applications.

**Glass Fabrication:** For 1/4" (6 mm), 5/16" (8 mm), and 3/8" (10 mm) Thick Glass: 1/2" (12 mm) diameter hole required if using provided steel pin for glass support. For 1/2" (12 mm) Thick Glass: 9/16" (14 mm) diameter hole required if using provided steel pin for glass support.

**Includes:** Rubber Gaskets and Steel Pin (for optional use) with Grommet.

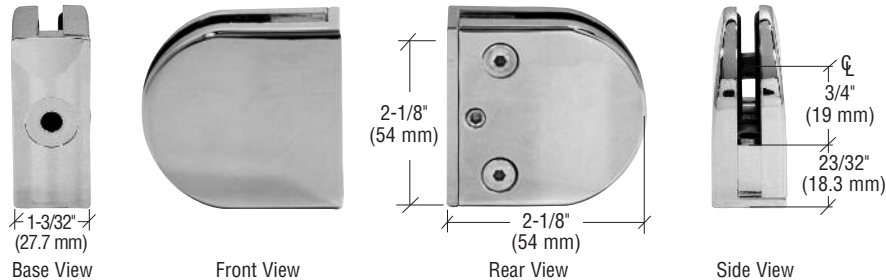
### For 1/4" (6 mm) and 5/16" (8 mm) Glass



CAT. NO.	FINISH	BASE METAL
Z406BR	Brass	Zinc Casting
Z406CH	Chrome	Zinc Casting
Z406SC	Satin Chrome	Zinc Casting
Z406BN	Brushed Nickel	Zinc Casting
Z406GP	Gold Plated	Zinc Casting
Z406W	White	Zinc Casting
Z506BS	Brushed Stainless	Stainless Steel
Z506PS	Polished Stainless	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

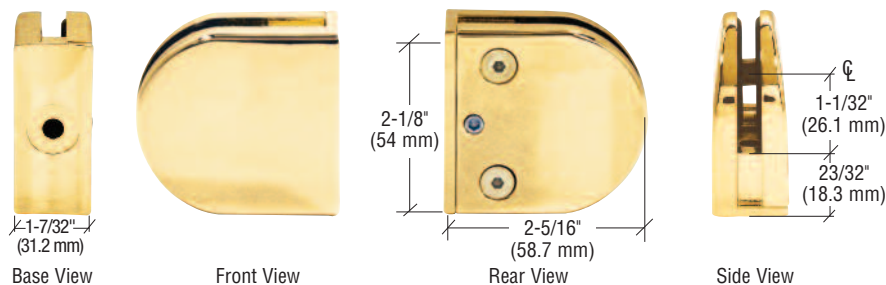
### For 3/8" (10 mm) Glass



CAT. NO.	FINISH	BASE METAL
Z410BR	Brass	Zinc Casting
Z410CH	Chrome	Zinc Casting
Z410SC	Satin Chrome	Zinc Casting
Z410BN	Brushed Nickel	Zinc Casting
Z410GP	Gold Plated	Zinc Casting
Z410W	White	Zinc Casting
Z510BS	Brushed Stainless	Stainless Steel
Z510PS	Polished Stainless	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

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



CAT. NO.	FINISH	BASE METAL
Z412BR	Brass	Zinc Casting
Z412CH	Chrome	Zinc Casting
Z412SC	Satin Chrome	Zinc Casting
Z412BN	Brushed Nickel	Zinc Casting
Z412GP	Gold Plated	Zinc Casting
Z412W	White	Zinc Casting
Z512BS	Brushed Stainless	Stainless Steel
Z512PS	Polished Stainless	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

## CRL Heavy-Duty Thread-Setter Tool

The CRL Heavy-Duty Thread-Setter Tool is supplied with a 1/4"-20 Mandrel and Nosepiece only. It will install 10-24, 10-32, 1/4"-20, 5/16"-18, 3/8"-16, 5 mm, 6 mm, 8 mm, and 10 mm aluminum or steel Rivet-Nuts and Poly-Nuts. Minimum order is one each.



CAT. NO. 34604

## CRL 5/16"-18 Mandrel and Nosepiece

The CRL 5/16"-18 Mandrel and Nosepiece for Cat. No. 34604 Heavy-Duty Thread-Setter Tool allows for the installation of larger Rivet-Nuts and Thread-Serts. This Mandrel and Nosepiece is required for installation of the Cat. No. ZRNU. Minimum order is one each.



CAT. NO. 34618



## CRL Z-Series Square Type Radius Base Glass Clamps



Models for Round Tubing Installations

### SPECIFICATIONS:

**Glass Thicknesses:** Models for 1/4" to 1/2" (6 to 12 mm).

**Base Design:** Radius.

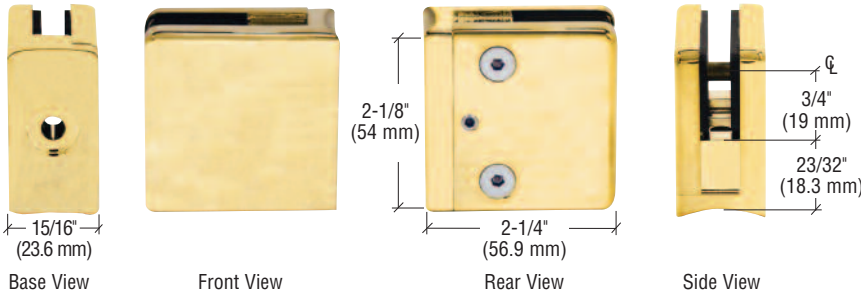
**For Use With:** 2" (50.8 mm) Diameter Round Tubing only.

**Material:** Choice of Zinc Constructed or Stainless Steel. Stainless Steel or Powder Painted Zinc Clamps are recommended for more durability in exterior applications.

**Glass Fabrication:** For 1/4" (6 mm), 5/16" (8 mm), and 3/8" (10 mm) Thick Glass: 1/2" (12 mm) diameter hole required if using provided steel pin for glass support. For 1/2" (12 mm) Thick Glass: 9/16" (14 mm) diameter hole required if using provided steel pin for glass support.

**Includes:** Rubber Gaskets and Steel Pin (for optional use) with Grommet.

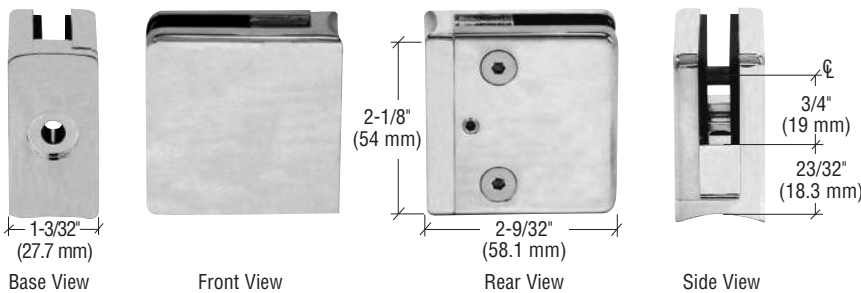
### For 1/4" (6 mm) and 5/16" (8 mm) Glass



CAT. NO.	FINISH	BASE METAL
Z606BR	Brass	Zinc Casting
Z606CH	Chrome	Zinc Casting
Z606SC	Satin Chrome	Zinc Casting
Z606BN	Brushed Nickel	Zinc Casting
Z606GP	Gold Plated	Zinc Casting
Z606W	White	Zinc Casting
Z706BS	Brushed Stainless	Stainless Steel
Z706PS	Polished Stainless	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

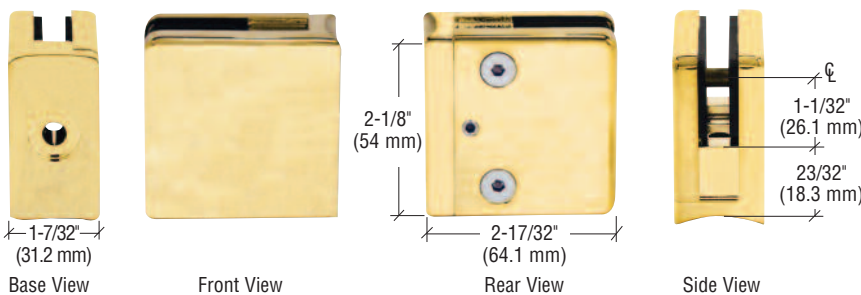
### For 3/8" (10 mm) Glass



CAT. NO.	FINISH	BASE METAL
Z610BR	Brass	Zinc Casting
Z610CH	Chrome	Zinc Casting
Z610SC	Satin Chrome	Zinc Casting
Z610BN	Brushed Nickel	Zinc Casting
Z610GP	Gold Plated	Zinc Casting
Z610W	White	Zinc Casting
Z710BS	Brushed Stainless	Stainless Steel
Z710PS	Polished Stainless	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

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



CAT. NO.	FINISH	BASE METAL
Z612BR	Brass	Zinc Casting
Z612CH	Chrome	Zinc Casting
Z612SC	Satin Chrome	Zinc Casting
Z612BN	Brushed Nickel	Zinc Casting
Z612GP	Gold Plated	Zinc Casting
Z612W	White	Zinc Casting
Z712BS	Brushed Stainless	Stainless Steel
Z712PS	Polished Stainless	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

## CRL Z-Clamp Attaching Bolt and Rivet-Nut

### • For Securing Z-Series Clamps to Tubing

CAT. NO.	DESCRIPTION
ZBOLT	5/16" - 18x1" Stainless Steel Socket Head Cap Bolt (Undercut Head)
ZRNUT	5/16" - 18 Rivet-Nut for use in Thin Wall Tubing (1/8" and Less)

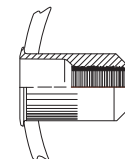
Minimum order: 1 each.



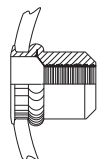
CAT. NO. ZBOLT



CAT. NO. ZRNUT



Inserted



Compressed

## CRL Z-Series Square Type Flat Base Glass Clamps



Models for Flat Surface Installations

### SPECIFICATIONS:

**Glass Thicknesses:** Models for 1/4" to 1/2" (6 to 12 mm).

**Base Design:** Flat.

**For Use With:** Square Tubing or Other Flat Surfaces.

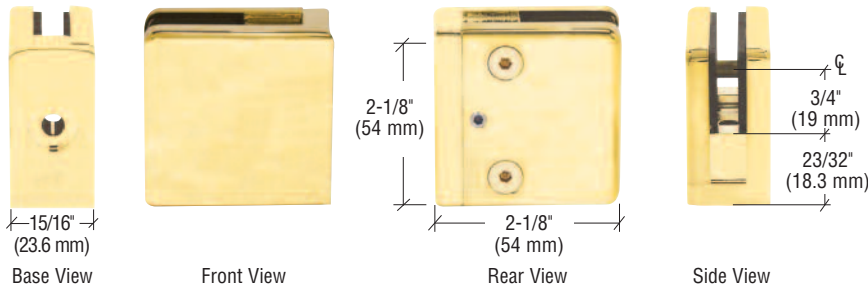
**Material:** Choice of Zinc Constructed or Stainless Steel. Stainless Steel or Powder Painted Zinc Clamps are recommended for more durability in exterior applications.

### Glass Fabrication:

For 1/4" (6 mm), 5/16" (8 mm), and 3/8" (10 mm) Thick Glass: 1/2" (12 mm) diameter hole required if using provided steel pin for glass support. For 1/2" (12 mm) Thick Glass: 9/16" (14 mm) diameter hole required if using provided steel pin for glass support.

**Includes:** Rubber Gaskets and Steel Pin (for optional use) with Grommet.

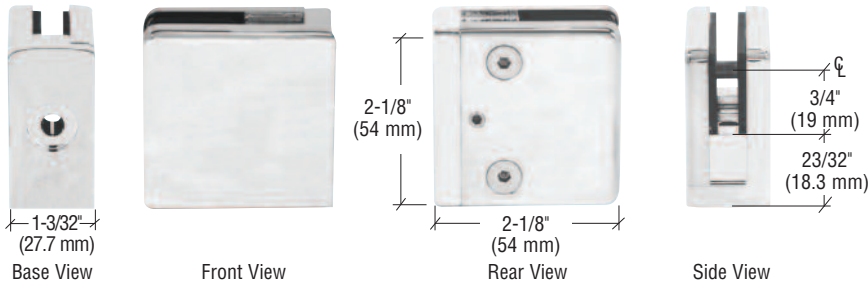
### For 1/4" (6 mm) and 5/16" (8 mm) Glass



CAT. NO.	FINISH	BASE METAL
<b>Z806BR</b>	Brass	Zinc Casting
<b>Z806CH</b>	Chrome	Zinc Casting
<b>Z806SC</b>	Satin Chrome	Zinc Casting
<b>Z806BN</b>	Brushed Nickel	Zinc Casting
<b>Z806GP</b>	Gold Plated	Zinc Casting
<b>Z806W</b>	White	Zinc Casting
<b>Z906BS</b>	Brushed Stainless	Stainless Steel
<b>Z906PS</b>	Polished Stainless	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

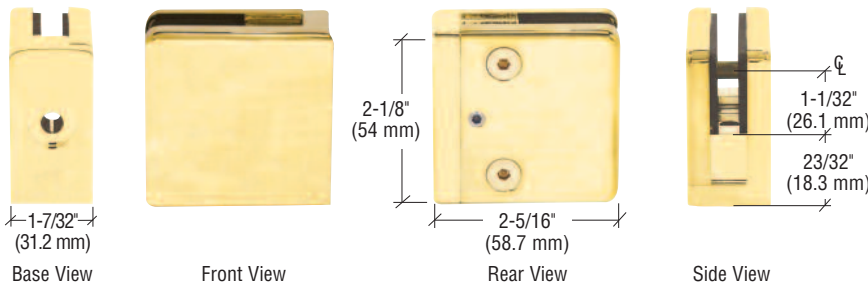
### For 3/8" (10 mm) Glass



CAT. NO.	FINISH	BASE METAL
<b>Z810BR</b>	Brass	Zinc Casting
<b>Z810CH</b>	Chrome	Zinc Casting
<b>Z810SC</b>	Satin Chrome	Zinc Casting
<b>Z810BN</b>	Brushed Nickel	Zinc Casting
<b>Z810GP</b>	Gold Plated	Zinc Casting
<b>Z810W</b>	White	Zinc Casting
<b>Z910BS</b>	Brushed Stainless	Stainless Steel
<b>Z910PS</b>	Polished Stainless	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

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



CAT. NO.	FINISH	BASE METAL
<b>Z812BR</b>	Brass	Zinc Casting
<b>Z812CH</b>	Chrome	Zinc Casting
<b>Z812SC</b>	Satin Chrome	Zinc Casting
<b>Z812BN</b>	Brushed Nickel	Zinc Casting
<b>Z812GP</b>	Gold Plated	Zinc Casting
<b>Z812W</b>	White	Zinc Casting
<b>Z912BS</b>	Brushed Stainless	Stainless Steel
<b>Z912PS</b>	Polished Stainless	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

### CRL Rivet-Nut Drill Bit

- High Speed 17/32" Drill for Installing Our ZRNUT Rivet-Nuts
- 1/2" Shank, 6" Length



This High Speed Drill Bit is made of M-7 steel for high resistance to abrasion during tough drilling applications. The three-fluted design provides better chuck grip and reduces slippage. Overall length is 6" (152 mm). Minimum order is one each.

**CAT. NO. 91134**

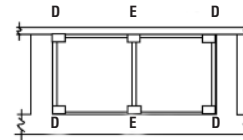
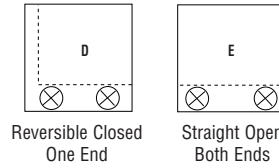
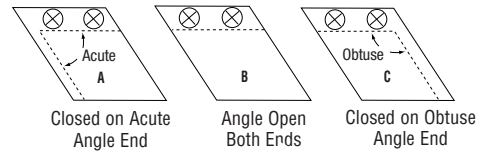
# CRL GLASS CLAMPS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Glass Clamps for Stair and Walkway Railings

- **Chrome, Brass, and Brushed Nickel Finishes for 3/8" or 1/2" (10 or 12 mm) Thick Tempered Glass**
- **Custom Finishes Available on Request**

Our Glass Clamps for Stair and Walkway Railings are predrilled and ready for use in the construction of metal and glass railings, partitions, room dividers, and more. Two sizes accommodate 3/8" or 1/2" (10 or 12 mm) thick tempered glass. Three popular finishes are stocked, with custom finishes available. Simply loosen screw on one end, insert glass edge and tighten. Use CRL Tuff-Pak Tape to cushion glass in Clamps. Drawings and templates for all Clamps are available online at [crlaurence.com](http://crlaurence.com).

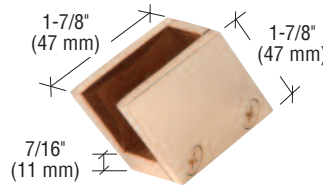


- A:** Acute End Clamp for Slanted Railings  
**B:** Open Center Clamp for Slanted Railings  
**C:** Obtuse End Clamp for Slanted Railings  
**D:** Straight End Clamp for Level Railings  
**E:** Straight Open Center Clamp for Level Railings



### CRL 52 Degree Slant Acute End Clamp "A"

Use Slant Acute End Clamps on top of glass at high end of slant, or bottom of glass at low end of slant. Clamps at 52 degree angle for use with 3/8" or 1/2" (10 or 12 mm) thick glass.

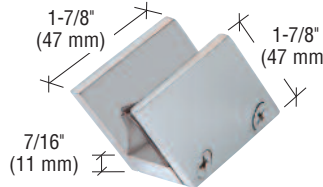


CAT. NO.	FINISH	GLASS THICKNESS
RH3312BR	Brass	1/2" (12 mm)
RH3338BR	Brass	3/8" (10 mm)
RH3312CH	Chrome	1/2" (12 mm)
RH3338CH	Chrome	3/8" (10 mm)
RH3312BN	Brushed Nickel	1/2" (12 mm)
RH3338BN	Brushed Nickel	3/8" (10 mm)

Minimum order: 1 each. All Glass Clamps can be combined for quantity pricing.

### CRL 52 Degree Slant Open Center Clamp "B"

Use Slant Open Center Clamps on top or bottom midpoint of slanted glass. Reversible center clamps at 52 degree angle for use with 3/8" or 1/2" (10 or 12 mm) thick glass.

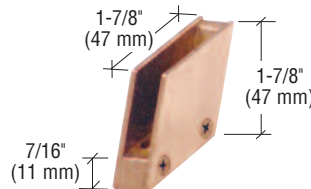


CAT. NO.	FINISH	GLASS THICKNESS
RH4412BR	Brass	1/2" (12 mm)
RH4438BR	Brass	3/8" (10 mm)
RH4412CH	Chrome	1/2" (12 mm)
RH4438CH	Chrome	3/8" (10 mm)
RH4412BN	Brushed Nickel	1/2" (12 mm)
RH4438BN	Brushed Nickel	3/8" (10 mm)

Minimum order: 1 each. All Glass Clamps can be combined for quantity pricing.

### CRL 128 Degree Slant Obtuse End Clamp "C"

Use Slant Obtuse End Clamps on bottom of glass at high end of slant, or top of glass at low end of slant. Clamps at 128 degree angle for use with 3/8" or 1/2" (10 or 12 mm) thick glass.

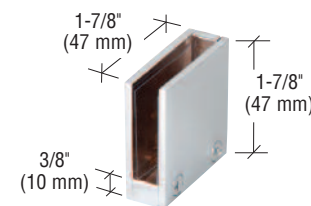


CAT. NO.	FINISH	GLASS THICKNESS
RH5512BR	Brass	1/2" (12 mm)
RH5538BR	Brass	3/8" (10 mm)
RH5512CH	Chrome	1/2" (12 mm)
RH5538CH	Chrome	3/8" (10 mm)
RH5512BN	Brushed Nickel	1/2" (12 mm)
RH5538BN	Brushed Nickel	3/8" (10 mm)

Minimum order: 1 each. All Glass Clamps can be combined for quantity pricing.

### CRL 90 Degree Straight End Clamp "D"

Use Straight End Clamps on top of glass at end of level run, or bottom of glass at end of level run. Clamps are reversible with 90 degree corners for use with 3/8" or 1/2" (10 or 12 mm) thick glass.

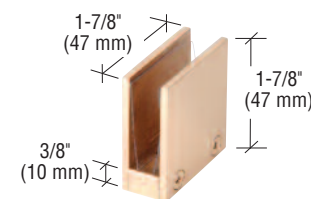


CAT. NO.	FINISH	GLASS THICKNESS
RH2212BR	Brass	1/2" (12 mm)
RH2238BR	Brass	3/8" (10 mm)
RH2212CH	Chrome	1/2" (12 mm)
RH2238CH	Chrome	3/8" (10 mm)
RH2212BN	Brushed Nickel	1/2" (12 mm)
RH2238BN	Brushed Nickel	3/8" (10 mm)

Minimum order: 1 each. All Glass Clamps can be combined for quantity pricing.

### CRL 90 Degree Straight Open Center Clamp "E"

Use Straight Open Center Clamps on top or bottom midpoint of glass on level run. Reversible open center clamps for use with 3/8" or 1/2" (10 or 12 mm) thick glass.



CAT. NO.	FINISH	GLASS THICKNESS
RH1112BR	Brass	1/2" (12 mm)
RH1138BR	Brass	3/8" (10 mm)
RH1112CH	Chrome	1/2" (12 mm)
RH1138CH	Chrome	3/8" (10 mm)
RH1112BN	Brushed Nickel	1/2" (12 mm)
RH1138BN	Brushed Nickel	3/8" (10 mm)

Minimum order: 1 each. All Glass Clamps can be combined for quantity pricing.



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

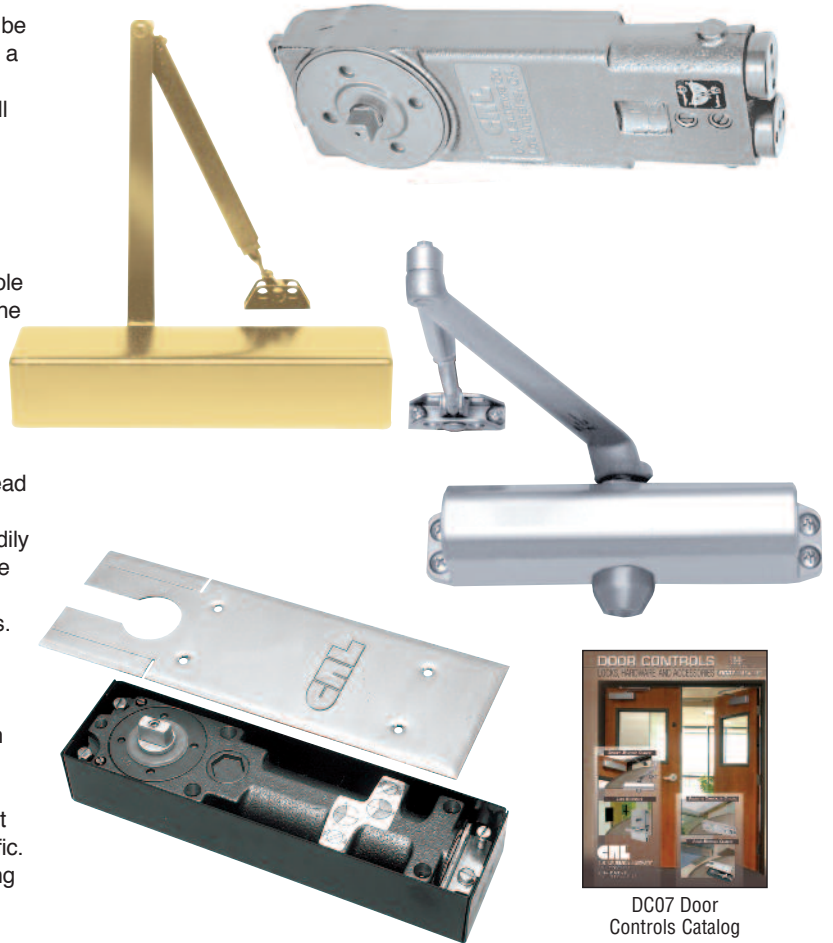
When selecting a door closer, the first consideration should be if the closer is intended to replace an existing one, or if it is for a new installation. If it is a replacement door closer, what is your customer asking you to provide? An exact match that meets all the specifications and dimensions of 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 brand or markings, if available, the closer's spring size, the mounting hole dimensions and physical size of the closer. You should know the physical size and type of door. 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?

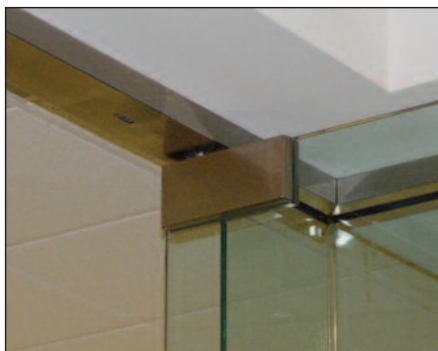
Popular types of door closers are Surface Mounted, Overhead Concealed, and Floor Mounted. Surface Mounted Closers are the most common and least expensive to install. They are readily available, and take very little time and effort to mount. They are easily replaced, and provide a wide variety of features 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. More and more common today are closers that 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.

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



Overhead Concealed



Floor Mounted

## 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
<ul style="list-style-type: none"> <li>• MALL OR LARGE DEPARTMENT STORE DOORS</li> <li>• LARGE OFFICE BUILDING DOORS</li> </ul>	2000-5000	Very High	HEAVY-DUTY FLOOR MOUNTED (Contact Technical Sales)
<ul style="list-style-type: none"> <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 style="list-style-type: none"> <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 Z700-Z717) SURFACE MOUNTED (see pages Z672-Z683) OVERHEAD CONCEALED (see pages Z684-Z699)
<ul style="list-style-type: none"> <li>• SMALL STORE OR OFFICE RESTROOM DOORS</li> <li>• RESIDENTIAL DOORS</li> <li>• CLOSET DOORS</li> </ul>	10-100	Low	SURFACE MOUNTED (see pages Z672-Z683)

# CRL SURFACE MOUNTED DOOR CLOSERS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL DC50 Series ANSI 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
- Custom Colors Available
- 10 Year Limited Warranty
- ANSI A156.4 Grade 1
- UL Listed

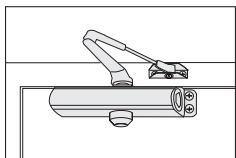


CRL DC50 Series Surface Mounted Door Closers cover a wide range of door sizes and weights, from a Size 1 (DC51) intended for light commercial and residential applications, to a Size 5 (DC55) for heavy commercial door applications. With both closing and latching speeds independently adjustable, they will 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, please visit [crlaurence.com](http://crlaurence.com).

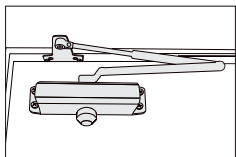
## Surface Mounted Closer Universal Mounting Options

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



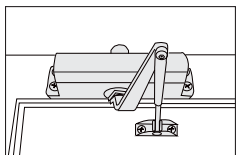
### Regular Projecting Arm Installation

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.

### DC50 SERIES GRADE 1 SURFACE MOUNTED DOOR CLOSERS

CAT. NO.	FINISH	SIZE	CLOSER DESCRIPTION
DC51A	Aluminum	1	Light Commercial/Residential
DC51BRZ	Dark Bronze	1	Light Commercial/Residential
DC52A	Aluminum	2	Light-Duty
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
DC55A	Aluminum	5	Heavy-Duty Commercial
DC55BRZ	Dark Bronze	5	Heavy-Duty Commercial

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

### CLOSER SELECTION DATA

CLOSER MODEL	CLOSER SIZE	APPLICABLE DOOR SIZE (WIDTH)			APPLICABLE DOOR WEIGHT
		INTERIOR DOOR	EXTERIOR DOOR SWING OUT	EXTERIOR DOOR SWING IN	
DC51A	1	32" (0.81 m)	30" (0.76 m)	26" (0.66 m)	33-66 Lbs. (15-30 kg)
DC51BRZ	1	32" (0.81 m)	30" (0.76 m)	26" (0.66 m)	33-66 Lbs. (15-30 kg)
DC52A	2	36" (0.91 m)	32" (0.81 m)	28" (0.71 m)	66-99 Lbs. (30-45 kg)
DC52BRZ	2	36" (0.91 m)	32" (0.81 m)	28" (0.71 m)	66-99 Lbs. (30-45 kg)
DC53A	3	42" (1.07 m)	36" (0.91 m)	32" (0.81 m)	99-143 Lbs. (45-65 kg)
DC53BRZ	3	42" (1.07 m)	36" (0.91 m)	32" (0.81 m)	99-143 Lbs. (45-65 kg)
DC54A	4	48" (1.22 m)	42" (1.07 m)	36" (0.91 m)	143-187 Lbs. (65-85 kg)
DC54BRZ	4	48" (1.22 m)	42" (1.07 m)	36" (0.91 m)	143-187 Lbs. (65-85 kg)
DC55A	5	54" (1.37 m)	48" (1.22 m)	42" (1.07 m)	187-264 Lbs. (85-120 kg)
DC55BRZ	5	54" (1.37 m)	48" (1.22 m)	42" (1.07 m)	187-264 Lbs. (85-120 kg)



C.R. LAURENCE COMPANY

2672 |

[crlaurence.ca](http://crlaurence.ca)

[crlaurence.com.au](http://crlaurence.com.au)

[crlaurence.co.uk](http://crlaurence.co.uk)

[crlaurence.de](http://crlaurence.de)

[crlaurence.com](http://crlaurence.com)

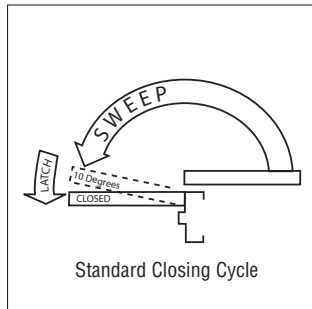
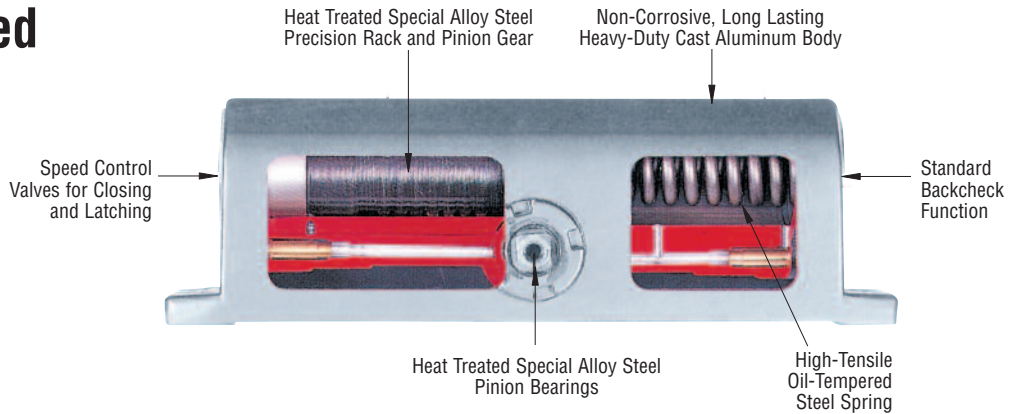


# CRL SURFACE MOUNTED DOOR CLOSERS

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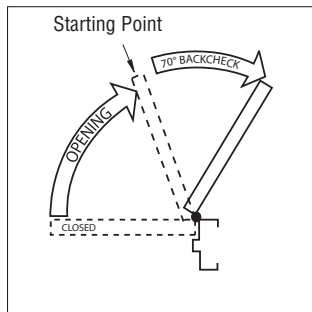
## CRL Surface Mounted Door Closers

### DC50 Series Features



### Adjustable Closing and Latching

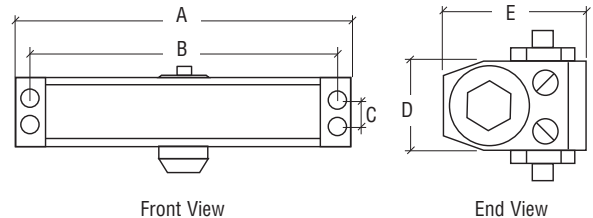
- Closing Speed (Sweep) can be variably adjusted to suit individual requirements.
- Latching Speed closing action accelerates over the last few degrees to arc (approx. 5 to 10 degrees) in order to overcome latch resistance, door seals or wind pressure.



### 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.

- Each DC50 Series Closer is Conveniently Packaged With Instructions
- Self Adhesive Template for Quick and Easy Installation



SPECIFICATION	CLOSER MODEL				
	DC51	DC52	DC53	DC54	DC55
<b>A:</b> Length of Closer Body	7-1/8" (181 mm)	8-7/8" (225 mm)	8-7/8" (225 mm)	9-3/4" (247 mm)	9-3/4" (247 mm)
<b>B:</b> Horizontal Mounting Holes	6-1/2" (165 mm)	8-3/16" (208 mm)	8-3/16" (208 mm)	9-1/16" (230 mm)	9-1/16" (230 mm)
<b>C:</b> Vertical Mounting Holes	3/4" (19 mm)	3/4" (19 mm)	3/4" (19 mm)	3/4" (19 mm)	3/4" (19 mm)
<b>D:</b> Closer Body Height	1-5/8" (41 mm)	1-31/32" (50 mm)	1-31/32" (50 mm)	1-31/32" (50 mm)	1-31/32" (50 mm)
<b>E:</b> Projection from Door	2-15/32" (63 mm)	2-29/32" (73 mm)	2-29/32" (73 mm)	2-29/32" (73 mm)	2-29/32" (73 mm)

## CRL Private Label Door Closers for Large Volume Customers

- Become More Recognized to Your Customers With Private Labeling

Private labeling is a good way to become more recognized to your customers. Our DC53, DC54, and DC55 Surface Mounted Door Closers can be special ordered in plain packaging so you can apply your own labels. 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 to discuss the program and pricing in detail.



## CRL PR80 Series Adjustable Spring Power Surface Mounted Door Closers

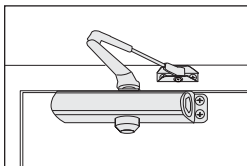
- Multi-Size Adjustable Spring Power Closers Ranging in Size From 1 to 5
- Barrier-Free Models to Meet A.D.A. Barrier-Free Requirements
- Applicable for Doors Ranging From 24" to 54" Wide and 33 to 264 Pounds
- 10 Year Limited Warranty
- UL Listed

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 ten years. Parallel Arm Brackets and mounting hardware are included with each closer permitting universal installation for regular, top jamb 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, please visit [crlaurence.com](http://crlaurence.com).

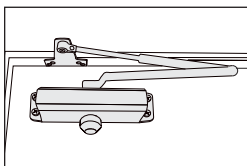
### Surface Mounted Closer Universal Mounting Options

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



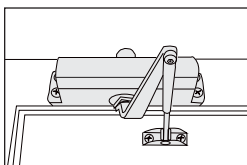
**Regular Projecting Arm Installation**

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.



UL 10C



PR82 Series Only

- Each PR80 Series Closer is Conveniently Packaged With Instructions
- Self Adhesive Template for Quick and Easy Installation



#### PR80 SERIES SURFACE MOUNTED DOOR CLOSERS

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

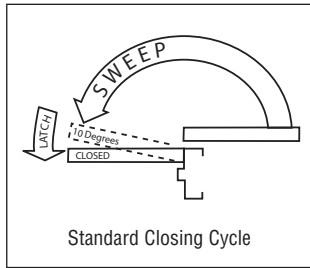
Minimum order: 1 each. All CRL Door Closers can be combined for quantity pricing.

#### CLOSER SELECTION DATA

CLOSER MODEL	CLOSER SIZE	APPLICABLE DOOR SIZE (WIDTH)			APPLICABLE DOOR WEIGHT
		INTERIOR DOOR	EXTERIOR DOOR SWING OUT	EXTERIOR DOOR SWING IN	
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)

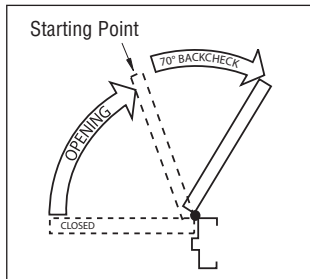


## CRL PR80 Series Adjustable Spring Power Surface Mounted Door Closers



### Adjustable Closing and Latching

- Closing Speed (Sweep) can be variably adjusted to suit individual requirements.
- 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.



### Backcheck Control

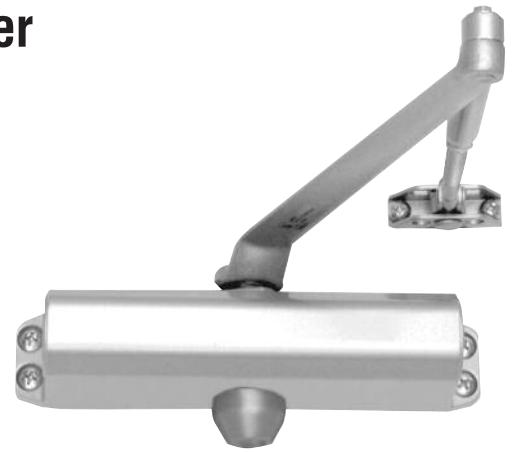
- Backcheck Control adjusts to provide variable braking action from approximately 70 degrees to beyond 90 degrees. This helps prevent damage to the door or adjacent wall surface. However, an auxiliary floor or overhead stop is always recommended for complete protection of the entryway and hardware.



PR82 Series Only

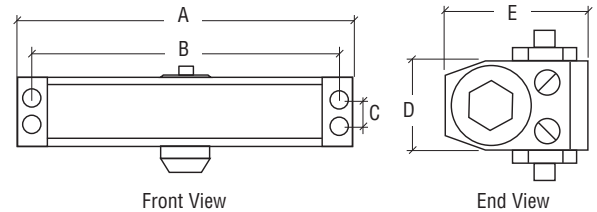
### Barrier-Free Feature

- 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.

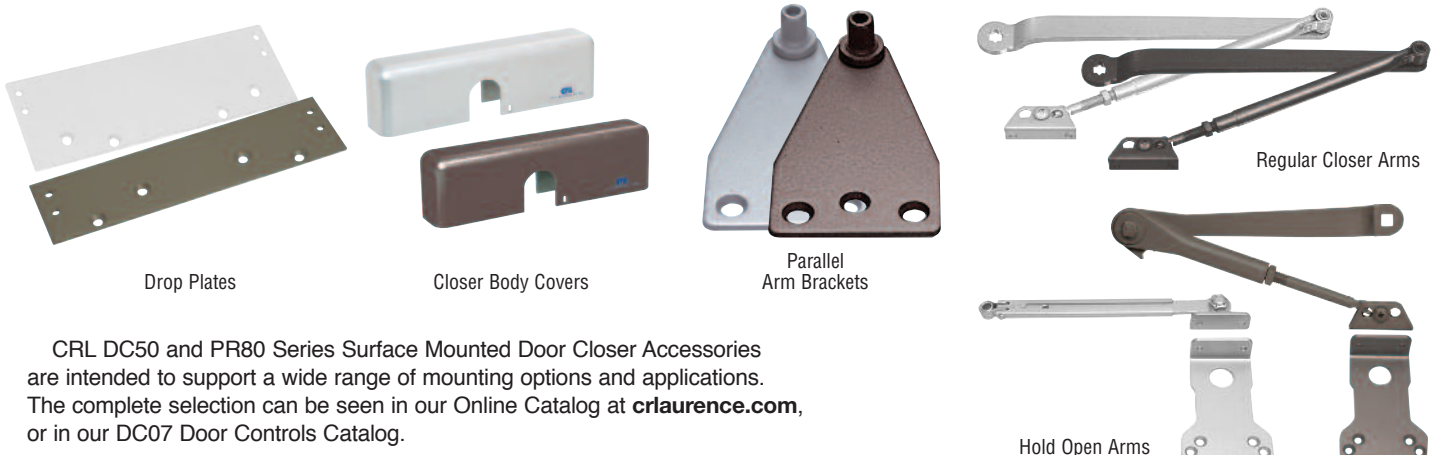


SPECIFICATION	PR80 SERIES	WITH COVER
<b>A:</b> Length of Closer Body	9-3/4" (248 mm)	10-5/8" (270 mm)
<b>B:</b> Horizontal Mounting Holes	9-1/16" (230 mm)	9-1/16" (230 mm)
<b>C:</b> Vertical Mounting Holes	3/4" (19 mm)	3/4" (19 mm)
<b>D:</b> Closer Body Height	1-25/32" (45 mm)	2-1/16" (53 mm)
<b>E:</b>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

### Dimensions



## CRL Accessories for DC50 and PR80 Series Door Closers



CRL DC50 and PR80 Series Surface Mounted Door Closer Accessories are intended to support a wide range of mounting options and applications. The complete selection can be seen in our Online Catalog at [crlaurence.com](http://crlaurence.com), or in our DC07 Door Controls Catalog.



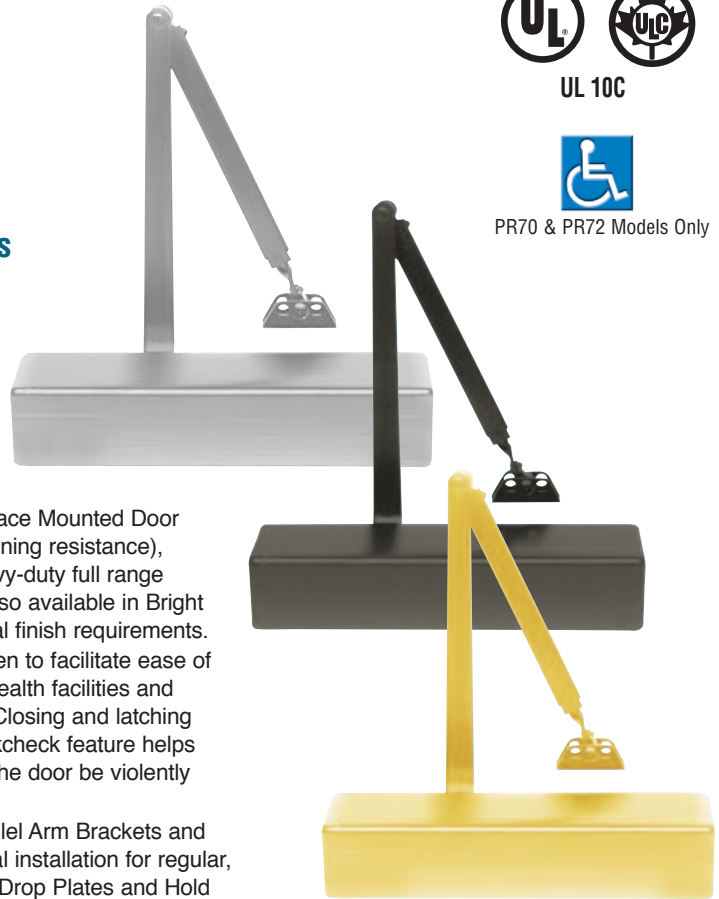
## CRL PR70 Series Adjustable Spring Power Surface Mounted Door Closers

- 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
- Aluminum and Dark Bronze Finishes
- Bright Gold and Chrome Finishes for Restaurants and Upscale Retail Businesses
- 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 door 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 particular valuable in health 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 ten 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 visit [crlaurence.com](http://crlaurence.com).



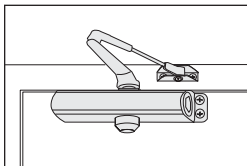
UL 10C



PR70 & PR72 Models Only

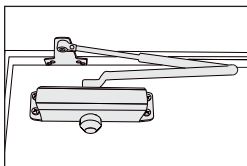
### Surface Mounted Closer Universal Mounting Options

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



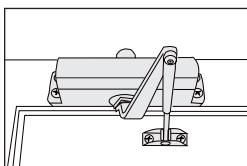
#### Regular Projecting Arm Installation

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.

CAT. NO.	FINISH	SIZE	CLOSER DESCRIPTION
<a href="#">PR70BFA</a>	Aluminum	1/2 - 4	Barrier-Free/Adjustable
<a href="#">PR70BFDU</a>	Dark Bronze	1/2 - 4	Barrier-Free/Adjustable
<a href="#">PR70BFBG</a>	Bright Gold	1/2 - 4	Barrier-Free/Adjustable
<a href="#">PR70BFCH</a>	Bright Chrome	1/2 - 4	Barrier-Free/Adjustable
<a href="#">PR72DAA</a>	Aluminum	1/2 - 4	Delayed Action/Adjustable
<a href="#">PR72DADU</a>	Dark Bronze	1/2 - 4	Delayed Action/Adjustable
<a href="#">PR72DABG</a>	Bright Gold	1/2 - 4	Delayed Action/Adjustable
<a href="#">PR72DACH</a>	Bright Chrome	1/2 - 4	Delayed Action/Adjustable
<a href="#">PR74BCA</a>	Aluminum	2 - 6	Adjustable
<a href="#">PR74BCDU</a>	Dark Bronze	2 - 6	Adjustable
<a href="#">PR76DAA</a>	Aluminum	2 - 6	Delayed Action/Adjustable
<a href="#">PR76DADU</a>	Dark Bronze	2 - 6	Delayed Action/Adjustable

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

#### CLOSER SELECTION DATA

CLOSER MODEL	CLOSER SIZE	APPLICABLE DOOR SIZE (WIDTH)			APPLICABLE DOOR WEIGHT
		INTERIOR DOOR	EXTERIOR DOOR SWING OUT	EXTERIOR DOOR SWING IN	
<a href="#">PR70BF</a>	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)
<a href="#">PR72DA</a>	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)
<a href="#">PR74BC</a>	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)
<a href="#">PR76DA</a>	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)

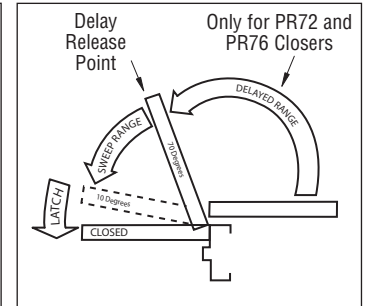
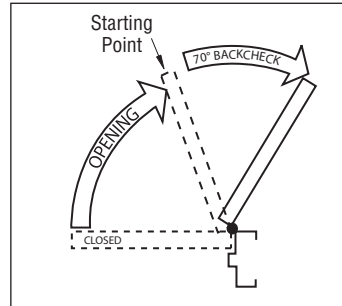
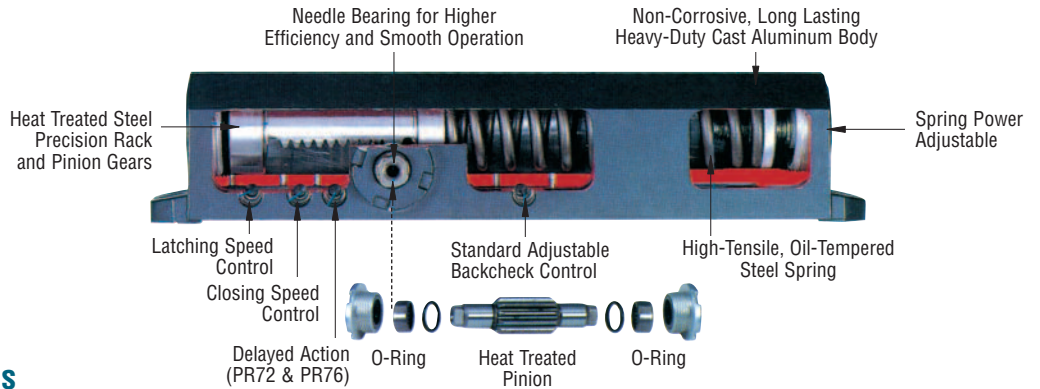
# CRL SURFACE MOUNTED DOOR CLOSERS

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## CRL Surface Mounted Door Closers

### PR70 Series Features

- Each PR70 Series Closer is Conveniently Packaged With Instructions
- Self Adhesive Template for Quick and Easy Installation

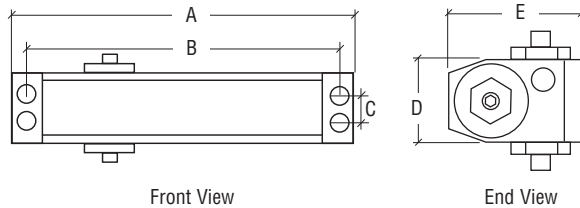


### Backcheck Control

• Backcheck Control adjust 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.

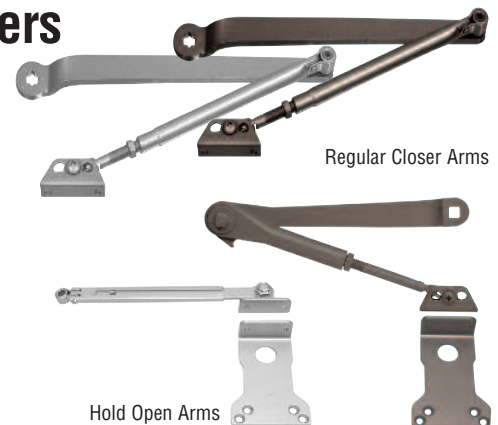
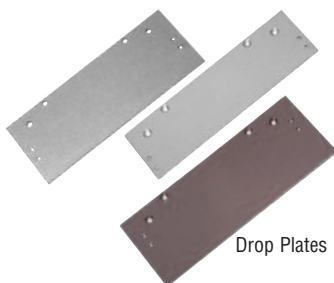
### Delayed Action Closing

• Delayed Action Closing is an optional hydraulic feature of PR72 and PR76 Series Closers 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 of 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



SPECIFICATION	BODY ONLY	WITH COVER
<b>A:</b> Length of Closer Body	11-7/8" (302 mm)	12-1/16" (306 mm)
<b>B:</b> Horizontal Mounting Holes	11-1/8" (283 mm)	11-1/8" (283 mm)
<b>C:</b> Vertical Mounting Holes	3/4" (19 mm)	3/4" (19 mm)
<b>D:</b> Closer Body Height	2" (51 mm)	2-15/16" (75 mm)
<b>E:</b> Projection from Door	2-3/8" (60 mm)	2-1/2" (64 mm)

## CRL Accessories for PR70 Series Door Closers



CRL PR70 Series Surface Mounted Door Closer Accessories are intended to support a wide range of mounting options and applications. The complete selection can be seen in our Online Catalog at [crlaurence.com](http://crlaurence.com), or in our DC07 Door Controls Catalog.

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

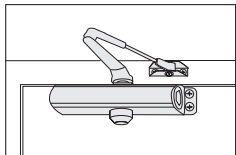
When demanding closer specs are required, consider our PR40 Series Surface Mounted Door Closers. Recommended for high traffic areas, such as public buildings, airports, and shopping centers. Closing and latching speed controls are independently adjustable, and adjustable backcheck is a standard feature 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 ten 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, please visit [crlaurence.com](http://crlaurence.com).

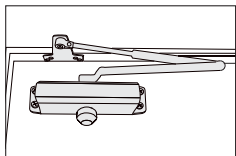
### Surface Mounted Closer Universal Mounting Options

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



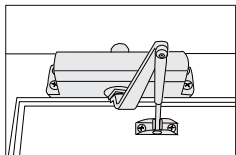
#### Regular Projecting Arm Installation

Closer installed on "PULL" side of the door



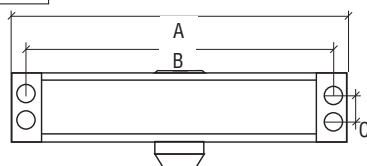
#### Parallel Arm Installation

Closer installed on "PUSH" side of the door.

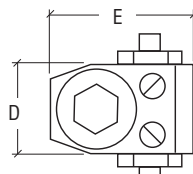


#### Top Jamb Installation

Closer Installed above door on "PUSH" side.



Front View



End View

- ANSI A156.4 - Grade 1
- 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



UL 10C



PR40 Model Only

#### PR40 SERIES GRADE 1 SURFACE MOUNTED DOOR CLOSERS

CAT. NO.	FINISH	SIZE	CLOSER DESCRIPTION
PR40A	Aluminum	1 - 4	Barrier-Free/Adjustable
PR40DU	Dark Bronze	1 - 4	Barrier-Free/Adjustable
PR42A	Aluminum	2 - 5	Adjustable
PR42DU	Dark Bronze	2 - 5	Adjustable
PR44DAA	Aluminum	2 - 5	Delayed Action/Adjustable
PR44DADU	Dark Bronze	2 - 5	Delayed Action/Adjustable

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

#### CLOSER SELECTION DATA

CLOSER MODEL	CLOSER SIZE	APPLICABLE DOOR SIZE (WIDTH)			APPLICABLE DOOR WEIGHT
		INTERIOR DOOR	EXTERIOR DOOR SWING OUT	EXTERIOR DOOR SWING IN	
PR40	1 - 4	32"-48" (0.81-1.22 m)	28"-42" (0.71-1.07 m)	24"-36" (0.61-0.91 m)	33-87 Lbs. (15-85 kg)
PR42	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)
PR44DA	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)

#### SPECIFICATION

SPECIFICATION	DIMENSIONS
A: Length of Closer	9-3/4" (248 mm)
B: Horizontal Mounting Holes	9-1/16" (230 mm)
C: Vertical Mounting Holes	3/4" (19 mm)
D: Closer Body Height	1-13/16" (46 mm)
E: Projection from Door	2-13/16" (72 mm)



# CRL SURFACE MOUNTED DOOR CLOSERS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

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



- ANSI A156.4 - Grade 1
- Adjustable Spring Power Multi-Size Range 1 to 5
- Larger Footprint Matches or Covers Existing Hole Patterns
- 10 Year Limited Warranty
- UL Listed



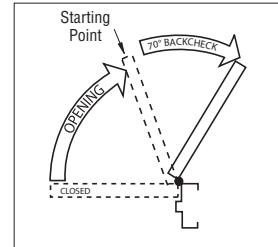
To meet demanding closer specifications, and a need for a larger footprint for matching or covering existing hole patterns, consider the CRL PR50 Series Surface Mounted Door Closer. The PR50 Series is an ANSI Grade 1, Multi-Size Adjustable Spring Power Closer suitable for doors from 24" to 54" (0.61 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, and 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.

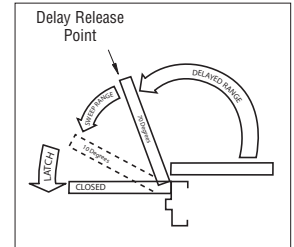
PR50 Series Closers are UL Listed and warranted for ten years. Parallel Arm Brackets and mounting hardware are included with each closer permitting universal installation for regular, top jamb or parallel arm applications. Optional accessories, such as Drop Plates and Hold Open Arms, are available for special installations, please visit [crlaurence.com](http://crlaurence.com).

- 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.



### Delayed Action Closing

• Delayed Action Closing is an optional hydraulic feature of the PR54 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 of 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.



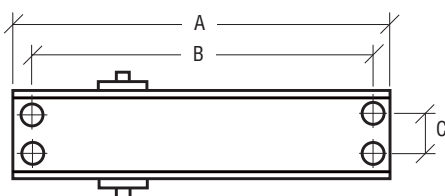
#### PR50 SERIES GRADE 1 SURFACE MOUNTED DOOR CLOSERS

CAT. NO.	FINISH	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	Barrier-Free/Adjustable
PR54DADU	Dark Bronze	2 - 5	Barrier-Free/Adjustable

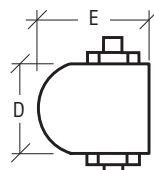
Minimum order: 1 each. All CRL Door Closers can be combined for quantity pricing.

#### CLOSER SELECTION DATA

CLOSER MODELS	CLOSER SIZE	APPLICABLE DOOR SIZE (WIDTH)			APPLICABLE DOOR WEIGHT
		INTERIOR DOOR	EXTERIOR DOOR SWING OUT	EXTERIOR DOOR SWING IN	
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)



Front View



End View

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



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

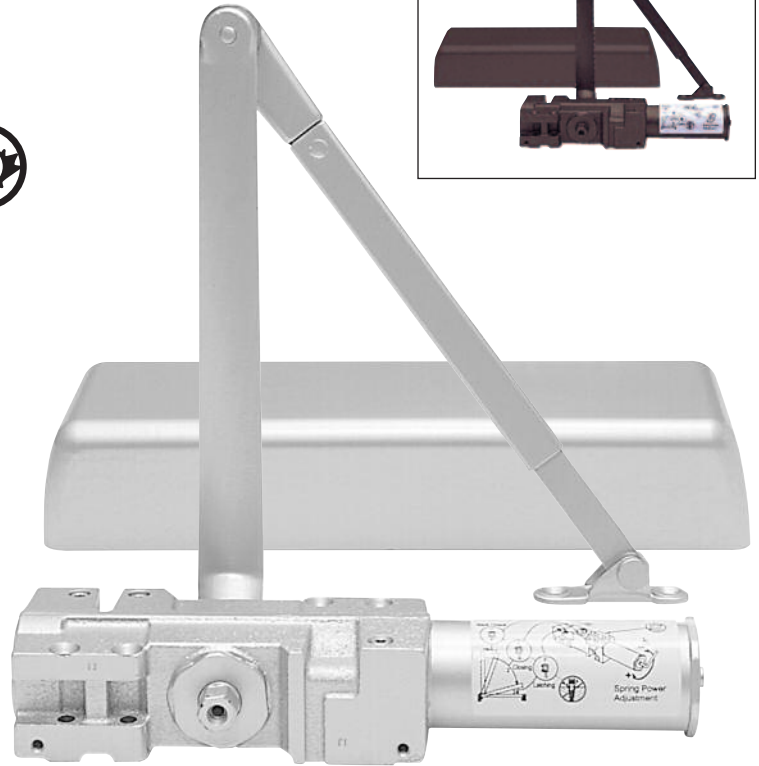
- ANSI A156.4 - Grade 1
- Adjustable Spring Power Multi-Size Range 1 to 6
- Durable Cast Iron Closer Body With Finished Cover
- 10 Year Limited Warranty
- UL Listed



UL 10C

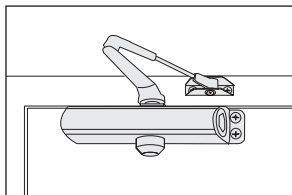
Cast Iron Closers have long been considered to be the industry's most durable. The CRL PR90 Grade 1 Adjustable Spring Power Surface Mounted Door Closer is recommended for high traffic public buildings such as hospitals, airports and shopping centers, to meet both A.D.A. accessibility requirements, and provide durability and maintenance free service. Closing and latching speed controls are independently adjustable, and an 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 ten 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, please visit [crlaurence.com](http://crlaurence.com).



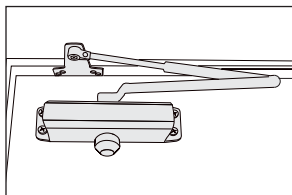
### Surface Mounted Closer Universal Mounting Options

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



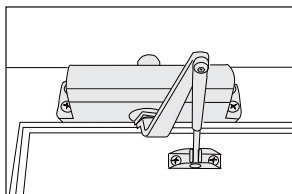
#### Regular Projecting Arm Installation

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.

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

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

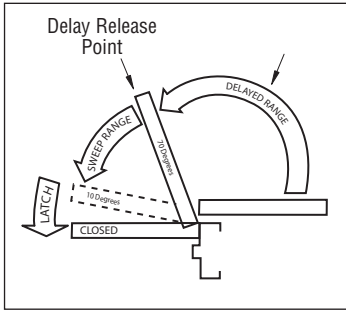
#### CLOSER SELECTION DATA

CLOSER MODEL	CLOSER SIZE	APPLICABLE DOOR SIZE (WIDTH)			APPLICABLE DOOR WEIGHT
		INTERIOR DOOR	EXTERIOR DOOR SWING OUT	EXTERIOR DOOR SWING IN	
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)

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

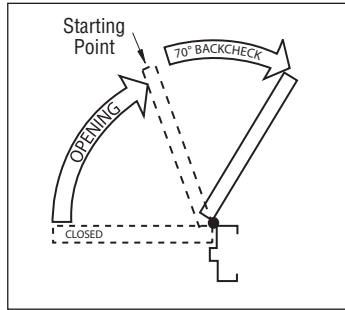


## CRL PR90 Series ANSI Grade 1 Adjustable Spring Power Surface Mounted Door Closers



### 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.



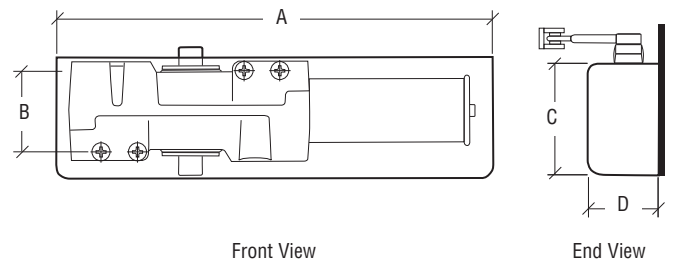
### Backcheck Control

• 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.

### Barrier-Free Feature

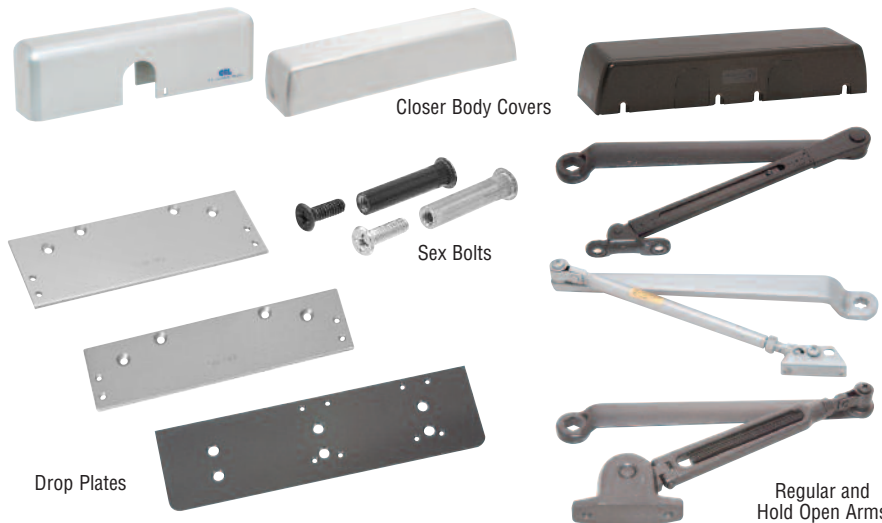


• Provides a lighter powered spring to allow low opening resistance but provide acceptable door control. The opening force can be adjusted to comply with A.D.A., and as outlined in ANSI A117.1.



SPECIFICATION	DIMENSIONS
<b>A:</b> Length of Closer Body With Cover	12-1/4" (311 mm)
<b>B:</b> Vertical Mounting Holes	2-1/4" (57 mm)
<b>C:</b> Closer Body Height With Cover	3-7/32" (82 mm)
<b>D:</b> Projection from Door With Cover	2-5/32" (55 mm)

## CRL Accessories for PR40, PR50, and PR90 Series ANSI Grade 1 Door Closers



CRL Accessories for PR40, PR50, and PR90 Series ANSI Grade 1 Closers are intended to support a wide range of mounting options and applications. The complete selection can be seen in our Online Catalog at [crlaurence.com](http://crlaurence.com), or in our DC07 Door Controls Catalog.



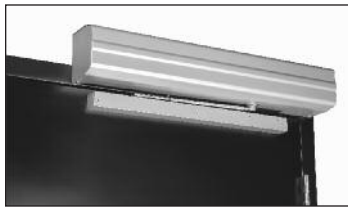
## CRL Norton® 5700 Series - LEO® Low Energy Power Door Operator

- 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 LEO® is based on ease and simplicity. LEO® installs in minutes rather than hours, and consists of three basic components: inverter, motor, and Norton's 1601 Closer Body.

What separates LEO® 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



### Stop (Push) 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

- 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

## 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.

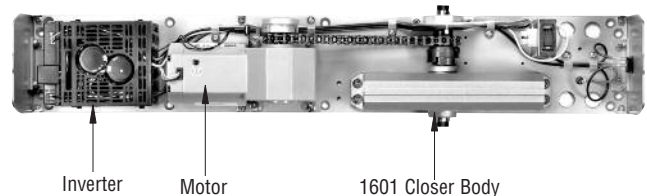
Norton® and LEO® are registered trademarks of Yale Security Inc., an ASSA ABLOY Group Company



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

LEO® 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. LEO® 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, LEO® 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.



### 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:** 1 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 page Z683).



UL 10C



CAT. NO.	FINISH
LE05741A	Aluminum
LE05741DU	Dark Bronze

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



C.R. LAURENCE COMPANY

Z682 |

crlaurence.ca

crlaurence.com.au

crlaurence.co.uk

crlaurence.de

crlaurence.com

## CRL Norton® 5700 Series - LEO® Accessories



### CRL Norton® Automatic Door Signage



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



**CAT. NO. LE0429**  
(1 per Switch)



**CAT. NO. LE0433**  
(1 per Switch)

- Replacements for Standard Decal Placards

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.

CAT. NO.	SIGN DESCRIPTION
LE0428	"CAUTION" Automatic Door
LE0429	A.D.A. Activate Switch to Operate
LE0433	Activate Switch to Operate

Minimum order: 1 each.

### 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 (LEO®). Available for both hardwire 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.



**CAT. NO. LE0685**



**CAT. NO. LE0574**

#### HARDWIRE DOOR SWITCH

- 6" x 6" (152 x 152 mm) Faceplate
- 15 amp @ 125V AC
- Hardwired
- Flush or Surface Mounted
- Stainless Finish With Blue Letters
- Includes One Each LE0429 and LE0433 Signs

#### WIRELESS (RF) DOOR SWITCH

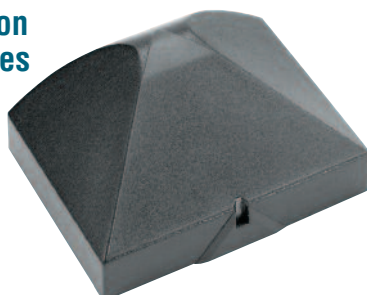
- Wireless RF Frequency (433 MHz)
- 6" x 6" (152 x 152 mm) Faceplate
- Flush or Surface Mounted
- Stainless Finish With Blue Letters
- Includes One Each LE0429 and LE0433 Signs

### CRL Norton® Motion Sensor

- Uni-Directional Motion Sensor for 5700 Series Door Operators

#### MOTION SENSOR

- Uni-directional
- Black Cover
- 24V DC Input
- SPDT Relay



The CRL Norton® Motion Sensor is a 24V DC powered unit designed to work with the Norton® 5700 Series - LEO® Power Door Operator. Must be placed where motion at door can be sensed. Minimum order is one each.

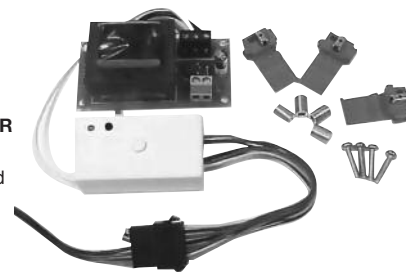
**CAT. NO. LE0663**

### CRL Norton® RF Receiver Kit

- Wireless Receiver Kit

#### RADIO FREQUENCY RECEIVER

- 25V 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. LE0571K**

## CRL Overhead Concealed Door Closers

CRL offers a complete line of Overhead Concealed Door Closers and Accessories. The selection includes a wide range of 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 closers without the need to change existing door hardware.

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. 7700. You can e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

- **Interchangeable With International, Jackson, and Similar Brands of Overhead Concealed Closers**

- **Available Two Ways:**
  - Closer Body With Mounting Clips
  - Closer Kits Complete With End-Load or Side-Load Arms, Mounting Clips, and Bottom Pivot Sets

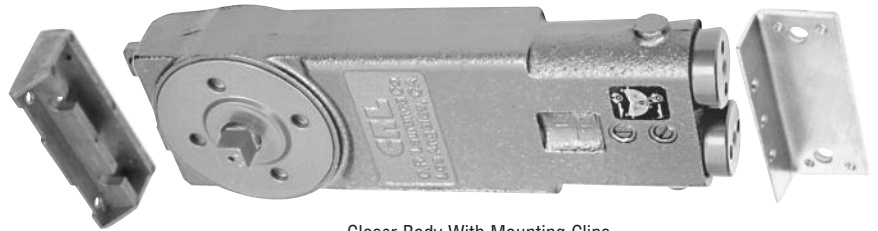
- **Available in Five Spring Sizes, Including Two A.D.A. Models**

- **5 Year Limited Warranty**

- **UL Listed**



A.D.A. Compliance Models Available



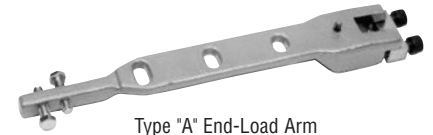
Closer Body With Mounting Clips



Offset Arm Assembly



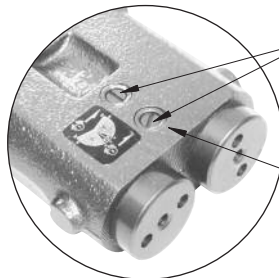
Adjustable Dual-Purpose Bottom Pivot Set



Type "A" End-Load Arm



Type "S" Side-Load Arm



**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 Closer Body.

## Approximate Opening Force

RECOMMENDED FOR LIGHT TO MEDIUM FREQUENCY USE WITH ALUMINUM, WOOD OR METAL DOORS WEIGHING UP TO 200 POUNDS (90.7 KG)

CLOSER SPRING SIZE	APPLICATION	APPROXIMATE AVERAGE OPENING FORCE (IN POUND FORCE) APPLICABLE DOOR SIZE (Width x Height)			
		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. 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.





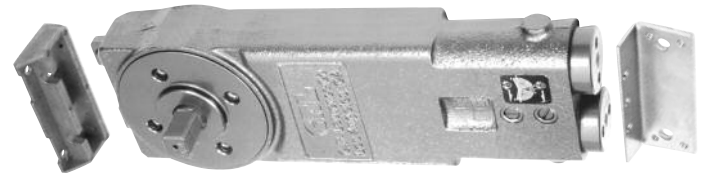
## CRL Overhead Concealed Door Closers for Patch Fittings and Door Rails



A.D.A. Compliance Models Available



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



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 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 Closer Body.

### OVERHEAD CLOSERS FOR PATCH FITTINGS AND DOOR RAILS

CAT. NO.	SPRING SIZE	TYPE
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
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

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



\*Although A.D.A. Series 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.

#### Extended Length Spindle

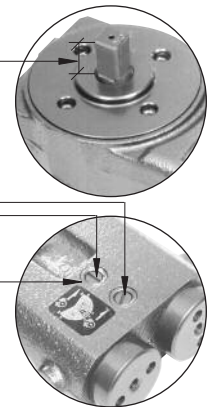
3/4" (19 mm) Length Spindle for use with Patch Fittings and Door Rail Hardware or when extra reach is needed.

#### 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 out of the 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 Closers

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

- See Our Complete Wedge-Lock® Door Rail and Patch Door Rail Hardware Selection on Pages Z422 to Z434



- See Our Complete Patch Fitting Selection on Pages Z580 to Z605



# CRL OVERHEAD CONCEALED DOOR CLOSERS

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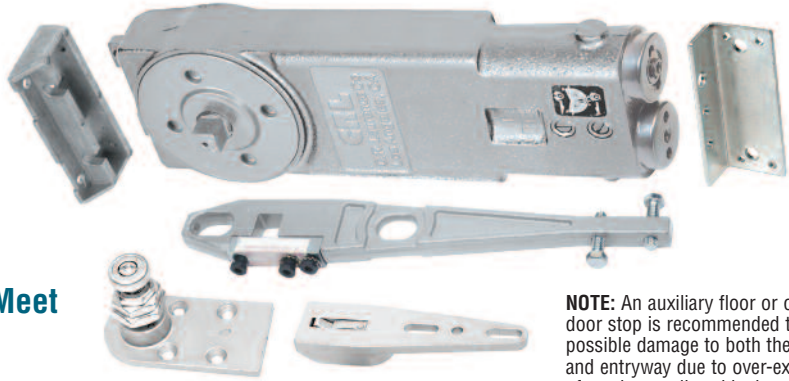
## CRL Adjustable Spring Power Overhead Concealed Door Closers



A.D.A. Compliance Models Available



- Interchangeable With International, Jackson, and Similar Brands of Overhead Concealed 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



**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.

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 closer installations, and as complete packages that includes the Door Closer, Mounting Clips, Type "S" Side-Load Arm or Type "A" End-Load Arm, and a "DP" Adjustable Dual-Purpose Bottom Pivot Set or "GE" Pivot Set. The 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. Closer Bodies fit into standard 1-3/4" x 4" (44 x 102 mm), or larger extrusions. For Closers with different spring sizes or hardware options, see pages Z687-Z688.

### Adjustable Spring Power

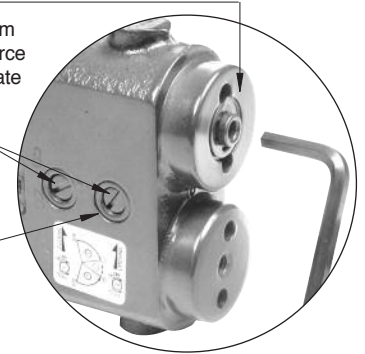
Allows adjustment of spring tension from a minimum of 8-1/2 pounds opening force to a medium spring size to accommodate site conditions and requirements.

### Independent Adjustment Valves

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

### Special Retaining Rings

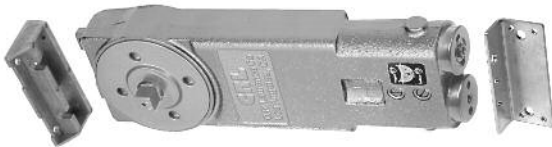
Prevent the Adjustment Valve Screws from being backed all the way out of the Closer Body.



## Closer Body Only

- Mounting Clips Included

- New Extended Spindle Models

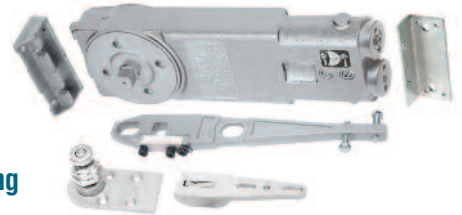


REGULAR SPINDLE CAT. NO.	EXTENDED SPINDLE CAT. NO.	SPRING SIZE	DESCRIPTION
CRL6760	CRL9760	Adjustable	90° Hold Open
CRL6762	CRL9762	Adjustable	90° No Hold Open
CRL6770	CRL9770	Adjustable	105° Hold Open
CRL6772	CRL9772	Adjustable	105° No Hold Open

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

## "S" Package

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

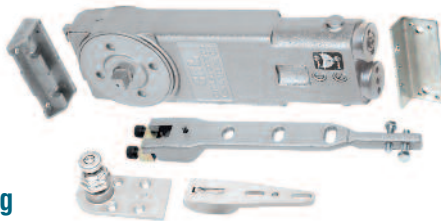


CAT. NO.	SPRING SIZE	DESCRIPTION
CRL8760S	Adjustable	90° Hold Open
CRL8762S	Adjustable	90° No Hold Open
CRL8770S	Adjustable	105° Hold Open
CRL8772S	Adjustable	105° No Hold Open

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

## "A" Package

- Adjustable End-Load Bottom Pivot Set for Floor or Threshold Mounting

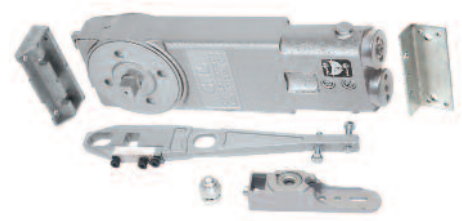


CAT. NO.	SPRING SIZE	DESCRIPTION
CRL8760A	Adjustable	90° Hold Open
CRL8762A	Adjustable	90° No Hold Open
CRL8770A	Adjustable	105° Hold Open
CRL8772A	Adjustable	105° No Hold Open

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

## "GE" Package

- Adjustable Side-Load Bottom Pivot Set for Threshold Mounting



CAT. NO.	SPRING SIZE	DESCRIPTION
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.



Although the Adjustable Spring Power 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.



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# CRL OVERHEAD CONCEALED DOOR CLOSERS

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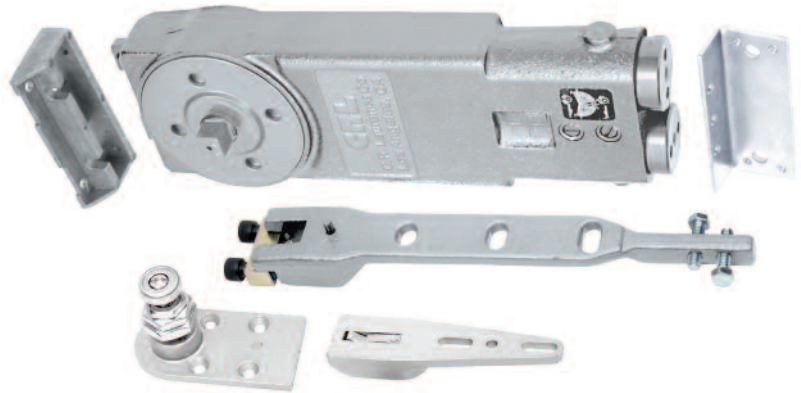
## CRL Overhead Concealed Closer Packages for End-Load Installations



A.D.A. Compliance Models Available



- Interchangeable With International, Jackson, and Similar Brands of Overhead Concealed Closers
- For Doors With 1" (25 mm) Top Rail Depth
- Includes All Necessary Parts
- 5 Year Limited Warranty
- UL Listed



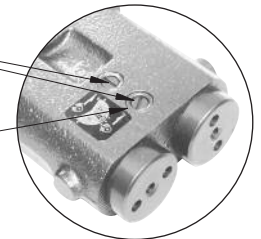
These Overhead Closer Kits consist of a Medium Spring Size Door Closer, Mounting Clips, Type "A" End-Load Arm, and a "DP" Adjustable Dual-Purpose Bottom Pivot Set. The Closer has independent, dual-action valves to control closing and latching speeds. Both 90 and 105 Degree Hold Open and No Hold Open models are available. Closer Bodies fit into standard 1-3/4" x 4" (44 x 102 mm), or larger, extrusions. For Closers with different spring sizes or hardware options, see Closer Bodies with Mounting Clips and Overhead Concealed Closer Accessories on pages Z689 and Z691 to Z693.

### Independent Adjustment Valves

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

### Special Retaining Rings

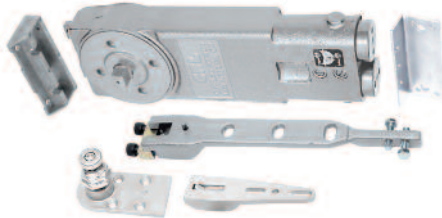
Prevent the Adjustment Valve Screws from being backed all the way out of the Closer Body.



**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.

## "A" Package

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



CAT. NO.	SPRING SIZE	DESCRIPTION
CRL8160A	Medium	90° Hold Open
CRL8162A	Medium	90° No Hold Open
CRL8170A	Medium	105° Hold Open
CRL8172A	Medium	105° No Hold Open

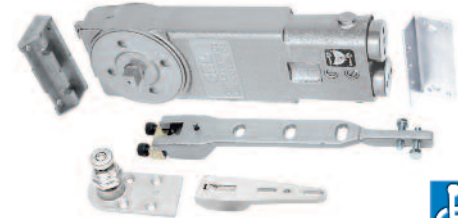
Minimum order: 1 each. All Door Closers can be combined for quantity pricing.



Although A.D.A. Series 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.

## A.D.A. "A" Package

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



CAT. NO.	SPRING SIZE	DESCRIPTION
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.

## 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.



CAT. NO. HMC035



# CRL OVERHEAD CONCEALED DOOR CLOSERS

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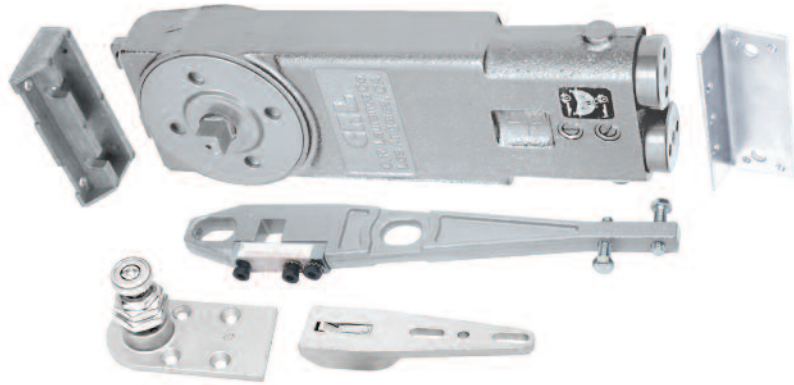
## CRL Overhead Concealed Closer Packages for Side-Load Installations



A.D.A. Compliance Models Available



- Interchangeable With International, Jackson, and Similar Brands of Overhead Concealed Closers
- For Doors With 1/2" (12.7 mm) Top Rail Depth
- Includes All Necessary Parts
- 5 Year Limited Warranty
- UL Listed



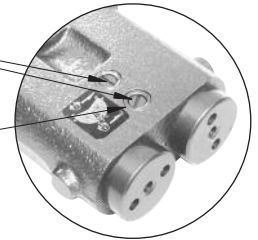
These Overhead Closer Kits consist of a Medium Spring Size Door Closer, Mounting Clips, Type "S" Side-Load Arm, and a "DP" Adjustable Dual-Purpose Bottom Pivot Set or "GE" Bottom Pivot Set. The Closer has independent, dual-action valves to control closing and latching speeds. Both 90 and 105 Degree Hold Open and No Hold Open models are available. Closer Bodies fit into standard 1-3/4" x 4" (44 x 102 mm), or larger, extrusions. For Closers with different spring sizes or hardware options, see Closer Bodies with Mounting Clips and Overhead Concealed Closer Accessories on pages Z689 and Z691-Z693.

### Independent Adjustment Valves

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

### Special Retaining Rings

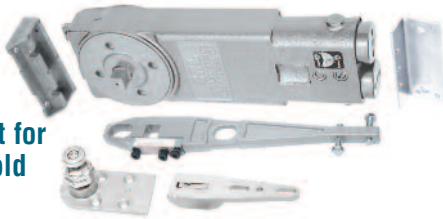
Prevent the Adjustment Valve Screws from being backed all the way out of the Closer Body.



**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.

### "S" Package

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

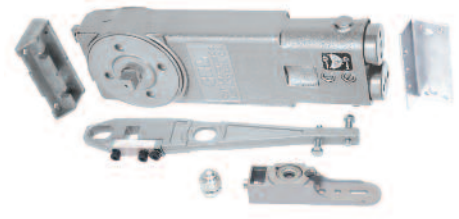


CAT. NO.	SPRING SIZE	DESCRIPTION
CRL8160S	Medium	90° Hold Open
CRL8162S	Medium	90° No Hold Open
CRL8170S	Medium	105° Hold Open
CRL8172S	Medium	105° No Hold Open

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

### "GE" Package

- Adjustable Side-Load Bottom Pivot Set for Threshold Mounting

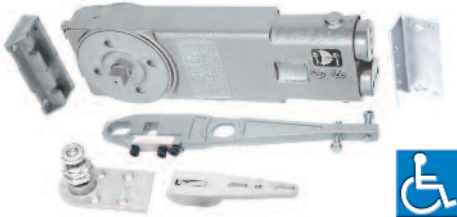


CAT. NO.	SPRING SIZE	DESCRIPTION
CRL8160GE	Medium	90° Hold Open
CRL8162GE	Medium	90° No Hold Open
CRL8170GE	Medium	105° Hold Open
CRL8172GE	Medium	105° No Hold Open

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

### A.D.A. "S" Package

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

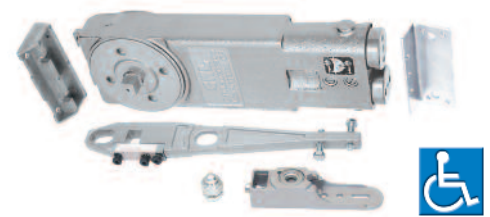


CAT. NO.	SPRING SIZE	DESCRIPTION
CRL8960S	A.D.A. – 8.5 Lb.	90° Hold Open
CRL8962S	A.D.A. – 8.5 Lb.	90° No Hold Open
CRL8970S	A.D.A. – 8.5 Lb.	105° Hold Open
CRL8972S	A.D.A. – 8.5 Lb.	105° No Hold Open

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

### A.D.A. "GE" Package

- Adjustable Side-Load Bottom Pivot Set for Threshold Mounting



CAT. NO.	SPRING SIZE	DESCRIPTION
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.



Although A.D.A. Series 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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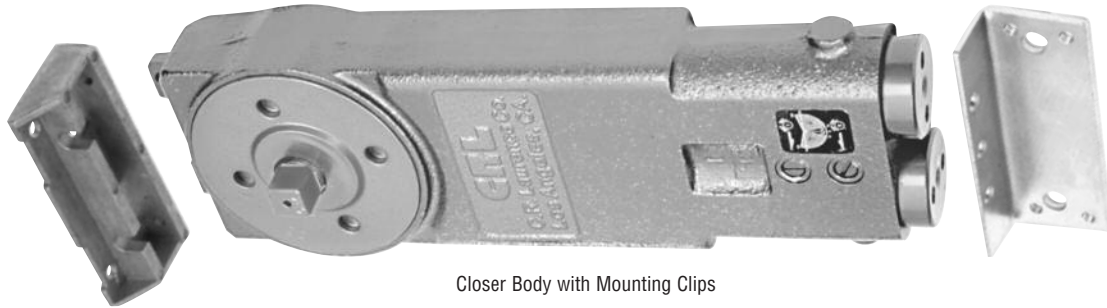
# CRL OVERHEAD CONCEALED DOOR CLOSERS

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## CRL Overhead Concealed Door Closer Bodies With Mounting Clips



A.D.A. Compliance Models Available

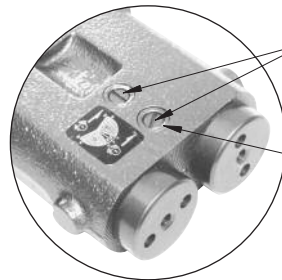


Closer Body with Mounting Clips

- Interchangeable With International, Jackson, and Similar Brands of Overhead Concealed Closers
- 20 Models Available
- 5 Year Limited Warranty
- UL Listed

- Select From the Accessories on Pages Z691 to Z693 to Get Exactly the Package You Need to Complete the Job
- Conveniently Packaged With Templates and Instructions

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

**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.



### 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)

### REQUIRED CLOSER SPRING SIZE FOR YOUR APPLICATION

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

### STANDARD MODEL 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	<b>CRL7060</b>	<b>CRL7062</b>	<b>CRL7070</b>	<b>CRL7072</b>
Medium	<b>CRL7160</b>	<b>CRL7162</b>	<b>CRL7170</b>	<b>CRL7172</b>
Heavy	<b>CRL7260</b>	<b>CRL7262</b>	<b>CRL7270</b>	<b>CRL7272</b>

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

### A.D.A. COMPLIANCE MODEL CLOSER BODIES MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT



SPRING SIZE	90° HOLD OPEN CAT. NO.	90° NO HOLD OPEN CAT. NO.	105° HOLD OPEN CAT. NO.	105° NO HOLD OPEN CAT. NO.
Adjustable	<b>CRL6760</b>	<b>CRL6762</b>	<b>CRL6770</b>	<b>CRL6772</b>
A.D.A.- 5 Lb.	<b>CRL6860</b>	<b>CRL6862</b>	<b>CRL6870</b>	<b>CRL6872</b>
A.D.A.- 8.5 Lb.	<b>CRL6960</b>	<b>CRL6962</b>	<b>CRL6970</b>	<b>CRL6972</b>

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



\*Although A.D.A. Series 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 OVERHEAD CONCEALED DOOR CLOSERS

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



A.D.A. Compliance Models Available



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



Closer Body Only.

Mounting Clips shown below are sold separately and are required to mount Closer.

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® 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 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.

**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.

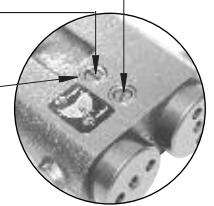
Kawneer® is a registered trademark of Alcoa Inc., and its subsidiaries and affiliates.

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



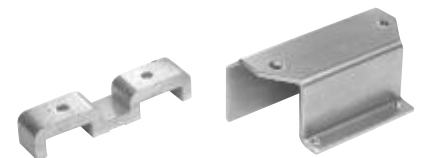
"H" Type End Load Arms are designed for use with the pre-1998 original Kawneer® Husky® style Closers and CRL Diamond Spindle Retrofit Closers. Minimum order is one each.

CAT. NO. CRL8010H

## 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).

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CAT. NO.	DESCRIPTION
CRL8010RK4	4" (102 mm) Header
CRL8010RK45	4-1/2" (114 mm) Header

Minimum order: 1 each.

## 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.	DESCRIPTION
CRL8010FS	Two-Piece Standard Clip Set

## CRL Optional Mounting Clip Sets



CAT. NO.	DESCRIPTION
CRL8010FK	Two-Piece Set for Kawneer® Doors
CRL8010FU	Three-Piece Set for U.S. Aluminum Doors
CANBRKT	One-Piece Adjustable Clip for Centering Closer Within the Header

Minimum order: 1 each.



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## CRL Overhead Concealed Door Closer Accessories

All Closer Arms can be combined for quantity pricing.

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

- **Designed to Fit CRL Wedge-Lock® 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.



CAT. NO. CRL8010AS

### 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.



CAT. NO. CRL8010A

### 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.



CAT. NO. CRL8010PT

### 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.



CAT. NO. CRL8010K

### 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.



CAT. NO. CRL8010S

### CRL "JO" Type Offset Arm Assembly

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



Replacement Vinyl Slide Block Cat. No. J0SB



The "JO" 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. J0SB.

CAT. NO.

CRL8010J0XAL  
CRL8010J0XBRZ

FINISH

Painted Aluminum  
Painted Dark Bronze

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

### CRL "VO" Type Offset Arm Assembly

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



Replacement Vinyl Slide Block Cat. No. V0SB



The "VO" 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. V0SB.

CAT. NO.

CRL8020V0XAL  
CRL8020V0XBRZ

FINISH

Painted Aluminum  
Painted Dark Bronze

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

## 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.



CAT. NO. CRL8010DP

### 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.

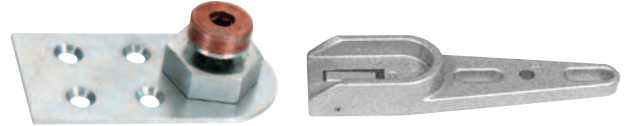


CAT. NO. CRL8010HDP

### 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.

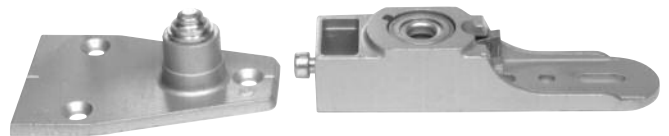


CAT. NO. CRL8010ADJ

### 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.



CAT. NO. CRL8010G

### 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

## 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® type automatic doors to allow a door to swing free. Minimum order is one each.

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

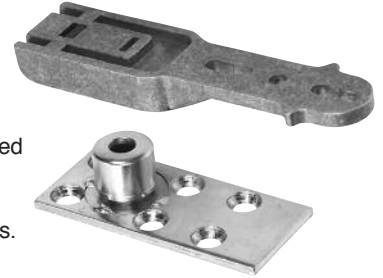


CAT. NO. CRL8010DBP

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

- Designed to Fit CRL Wedge-Lock™ Door Rails

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



CAT. NO. CRL8010BP

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

- Designed to Fit CRL Wedge-Lock™ Door Rails



This Heavy-Duty Bottom Pivot Set is specially designed to fit CRL Wedge-Lock™ Door Rails. See pages Z422-Z434 for the complete Door Rail selection. Minimum order is one each.

CAT. NO. CRL8010SET

### CRL Threshold Base Plate

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

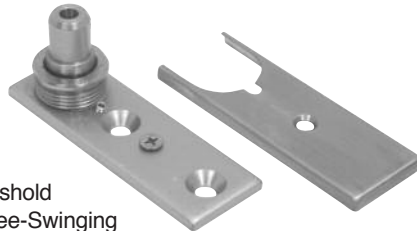


The Threshold Base Plate is designed to support the door weight when used with our Cat. No. CRL8010SET Heavy-Duty Free-Swinging Bottom Pivot Set. The base plate mounts to the floor, and allows the use of a 1/2" (12.7 mm) high threshold. Minimum order is one each.

CAT. NO. CRL8010TBP

### CRL Floor Mounted 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 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

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

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 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.



CAT. NO. 1NT406



# CRL OVERHEAD CONCEALED DOOR CLOSERS

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## CRL Jackson Overhead Concealed Door Closer Packages

- Available as Complete Package or Components Only
- Suitable for Doors From 30" to 48" (762 to 1219 mm) Wide
- 5 Year Limited Warranty
- UL Listed

This Jackson Overhead Concealed Door Closer features dual valves to control closing and latching speeds. 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. Available as complete packages or components only.



### Side-Load "G" Pivot Package

- Floor Mounted Pivot for 1-1/2" (38 mm) Deep Bottom Rail
- 3/16" (5 mm) Height Adjustment



CAT. NO.	SPRING SIZE	DESCRIPTION
J90HOG	Regular	90° Hold Open
J90NHOG	Regular	90° No Hold Open
J105HOG	Regular	105° Hold Open
J105NHOG	Regular	105° No Hold Open

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

### Side-Load "GE" Pivot Package

- Threshold Mounted Pivot for 1-1/2" (38 mm) Deep Bottom Rail
- 3/16" (5 mm) Height Adjustment

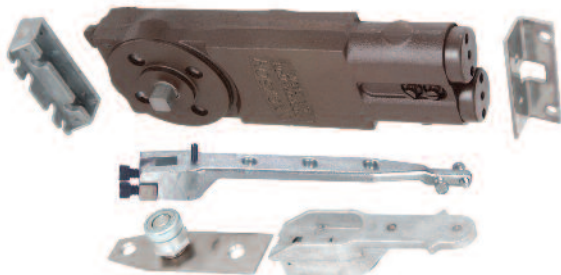


CAT. NO.	SPRING SIZE	DESCRIPTION
J90HGE	Regular	90° Hold Open
J90NHGE	Regular	90° No Hold Open
J105HGE	Regular	105° Hold Open
J105NHGE	Regular	105° No Hold Open

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

### End-Load "P" Pivot Package

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

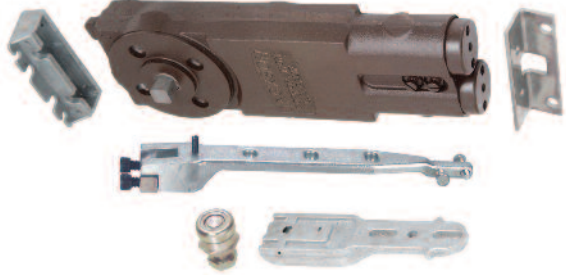


CAT. NO.	SPRING SIZE	DESCRIPTION
J90HOP	Regular	90° Hold Open
J90NHOP	Regular	90° No Hold Open
J105HOP	Regular	105° Hold Open
J105NHOP	Regular	105° No Hold Open

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

### End-Load "H" Pivot Package

- Threshold Mounted Pivot for 1" (25 mm) Deep Bottom Rail



CAT. NO.	SPRING SIZE	DESCRIPTION
J90H0H	Regular	90° Hold Open
J90NH0H	Regular	90° No Hold Open
J105H0H	Regular	105° Hold Open
J105NH0H	Regular	105° No Hold Open

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

**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.



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# CRL OVERHEAD CONCEALED DOOR CLOSERS

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## CRL Jackson Adjustable Spring Power Overhead Concealed Door Closers



- Available as Complete Package or Components Only
- Adjustable Spring Power Size 1 (Barrier-Free) to 4 (Regular)
- Suitable for Doors From 30" to 48" (762 to 1219 mm) Wide to Meet A.D.A. Opening Force Requirements
- 5 Year Limited Warranty and UL Listed



The Jackson Adjustable Spring Power Overhead Concealed Door Closer is available for A.D.A. Barrier-Free applications. The Closer is adjustable in a range of Sizes 1 (Barrier-Free) through 4 (Regular), allowing the spring power to be set for A.D.A. handicap barrier-free opening force requirements, as well as provide door control for a wide range of door types and sizes. These Jackson Closer products are available as complete packages or components only.

### Side-Load "G" Pivot Package

- Floor Mounted Pivot for 1-1/2" (38 mm) Deep Bottom Rail
- 3/16" (5 mm) Height Adjustment



CAT. NO.	SPRING SIZE	DESCRIPTION
V90H0G	Adjustable	90° Hold Open
V90NH0G	Adjustable	90° No Hold Open
V105H0G	Adjustable	105° Hold Open
V105NH0G	Adjustable	105° No Hold Open

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

### Side-Load "GE" Pivot Package

- Threshold Mounted Pivot for 1-1/2" (38 mm) Deep Bottom Rail
- 3/16" (5 mm) Height Adjustment

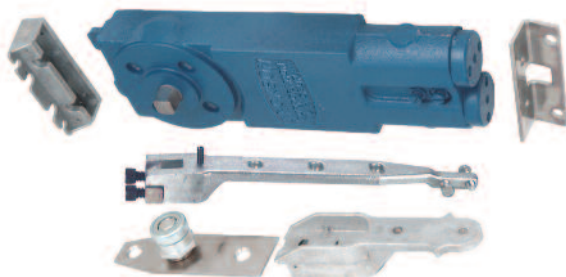


CAT. NO.	SPRING SIZE	DESCRIPTION
V90H0GE	Adjustable	90° Hold Open
V90NH0GE	Adjustable	90° No Hold Open
V105H0GE	Adjustable	105° Hold Open
V105NH0GE	Adjustable	105° No Hold Open

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

### End-Load "P" Pivot Package

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

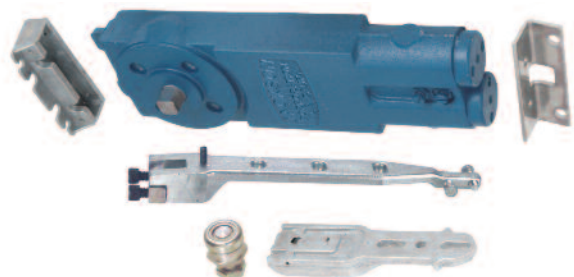


CAT. NO.	SPRING SIZE	DESCRIPTION
V90H0P	Adjustable	90° Hold Open
V90NH0P	Adjustable	90° No Hold Open
V105H0P	Adjustable	105° Hold Open
V105NH0P	Adjustable	105° No Hold Open

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

### End-Load "H" Pivot Package

- Threshold Mounted Pivot for 1" (25 mm) Deep Bottom Rail



CAT. NO.	SPRING SIZE	DESCRIPTION
V90H0H	Adjustable	90° Hold Open
V90NH0H	Adjustable	90° No Hold Open
V105H0H	Adjustable	105° Hold Open
V105NH0H	Adjustable	105° No Hold Open

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



**A.D.A. NOTE:** Although the Adjustable Spring Power 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.

**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.



# CRL OVERHEAD CONCEALED DOOR CLOSERS

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## CRL Jackson Overhead Concealed Door Closers



- Closer Body Only – Mounting Clips Not Included
- Suitable for Doors from 30" to 48" (762 to 1219 mm) Wide
- 5 Year Limited Warranty and UL Listed

The 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. 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.



## CRL Jackson Standard Overhead Concealed Closer Body Only

- Fixed Regular Spring Size
- Other Spring Sizes Available Upon Request



Body Only – Mounting Clips are not included. See page Z690.

CAT. NO.	SPRING SIZE	DOOR SIZE (WIDTH)
2033090HORD	Regular	90° Hold Open
2033090NHORD	Regular	90° No Hold Open
20330105HORD	Regular	105° Hold Open
20330105NHORD	Regular	105° No Hold Open

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

## CRL Jackson Adjustable Spring Power Overhead Concealed Closer Body Only

- Adjustable Spring Power Size 1 (Barrier-Free) to Size 4 (Regular)
- Can Retrofit Existing Fixed Spring Closers
- Choice of Standard 1/2" (12 mm) Long Spindle and 7/8" (22 mm) Extended Spindle for Patch and Rail Hardware

## CRL Jackson ANSI-Grade 1 Overhead Concealed Closer Body Only

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



Body Only – Mounting Clips are not included. See page Z690.

REGULAR SPINDLE CAT. NO.	EXTENDED SPINDLE CAT. NO.	SPRING SIZE	DESCRIPTION
2033020	2033020EXT	Adjustable	90° Hold Open
2033019	2033019EXT	Adjustable	90° No Hold Open
2033018	2033018EXT	Adjustable	105° Hold Open
2033017	2033017EXT	Adjustable	105° No Hold Open

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



Body Only – Mounting Clips are not included. See page Z690.

REGULAR SPINDLE CAT. NO.	EXTENDED SPINDLE CAT. NO.	SPRING SIZE	DESCRIPTION
20111M90HORD	20114M90HORD	Regular	90° Hold Open
20111M90NHORD	20114M90NHORD	Regular	90° No Hold Open
20111M105HORD	20114M105HORD	Regular	105° Hold Open
20111M105NHORD	20114M105NHORD	Regular	105° No Hold Open

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



**A.D.A. NOTE:** Although the Adjustable Spring Power 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.

**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.



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## CRL Jackson Overhead Concealed Door Closer Accessories

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

**NOTE:** For additional accessories see pages Z690-Z693. All CRL and Jackson Brand accessories are interchangeable.

- 1/2" (12 mm) Depth Top Rail

The Adjustable Side-Load Top Arm has 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) deep top rails with a notch in the side of the door. Minimum order is one each.



CAT. NO. 20400B

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

- 1" (25 mm) Depth Top Rail

"A" Type End-Load Top Arms have no lateral 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.



CAT. NO. 20500

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

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

"PT" Type End-Load Top Arms have no lateral 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.



CAT. NO. 20585

### CRL Jackson "JO" Type Offset Arm Assembly

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

The "JO" 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. Minimum order is one each.



CAT. NO. 20900

### CRL Replacement Hardware

- Fits Side and End-Load Center-Hung Arms



CAT. NO.	DESCRIPTION
SLB3	Side-Load Arm Block With Three Screws
SLS1	Side-Load Arm Screws and Lock Washers Only – Three Per Pkg.
ELB2	End-Load Arm Block With Two Screws
ELS1	End-Load Arm Screws and Lock Washers Only – Two Per Pkg.

Minimum order: 1 set.

### CRL Jackson Cover Plates for Overhead Concealed Door Closers



Spindle and two or three valve access holes are pre-fabricated. Plates have square corners and measure 3-11/16" x 13-3/4" (94 x 349 mm).

CAT. NO.	VALVES	FINISH
J20190A	2	Aluminum
J20190BRZ	2	Dark Bronze
J203147A	3	Aluminum
J203147BRZ	3	Dark Bronze

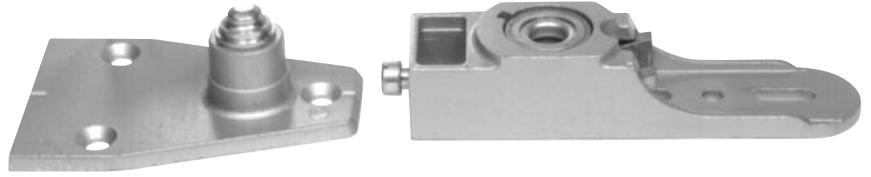
Minimum order: 1 each.

## CRL Jackson Overhead Concealed Door Closer Accessories

### CRL Jackson "G" Type Side-Load Floor Mount Bottom Pivot Set

- For 1-1/2" (38 mm) Deep Bottom Rail

This Pivot 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. Minimum order is one each.



Recommended Weight Capacity: 125 Lb. (56.7 kg)

CAT. NO. 20740

### CRL Jackson "GE" Type Side-Load Threshold Mount Bottom Pivot Set

- For 1-1/2" (38 mm) Deep Bottom Rail

This Pivot 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. Minimum order is one each.



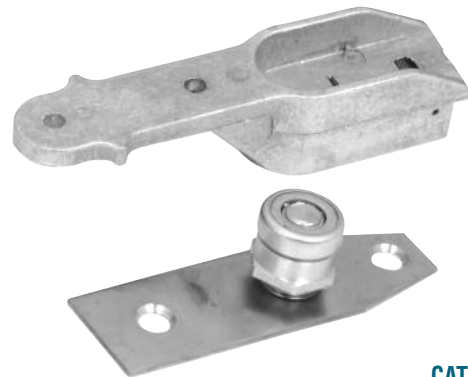
Recommended Weight Capacity: 125 Lb. (56.7 kg)

CAT. NO. 20944

### CRL Jackson "P" Type End-Load Floor Mount Bottom Pivot Set

- For 1-9/16" (40 mm) Deep Bottom Rail

This Pivot mounts directly to the floor, and is intended for use with End-Load applications. A 3/16" (5 mm) height adjustment is possible with the door installed. Minimum order is one each.



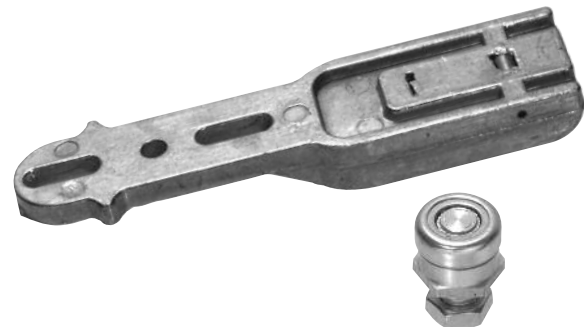
Recommended Weight Capacity: 175 Lb. (79.4 kg)

CAT. NO. 201060

### CRL Jackson "H" Type End-Load Threshold Mount Bottom Pivot Set

- For 1" (25 mm) Deep Bottom Rail

This Pivot mounts to the threshold, and is intended for use with End-Load applications. A 3/16" (5 mm) height adjustment is possible with the door installed. Minimum order is one each.



Recommended Weight Capacity: 175 Lb. (79.4 kg)

CAT. NO. 20728

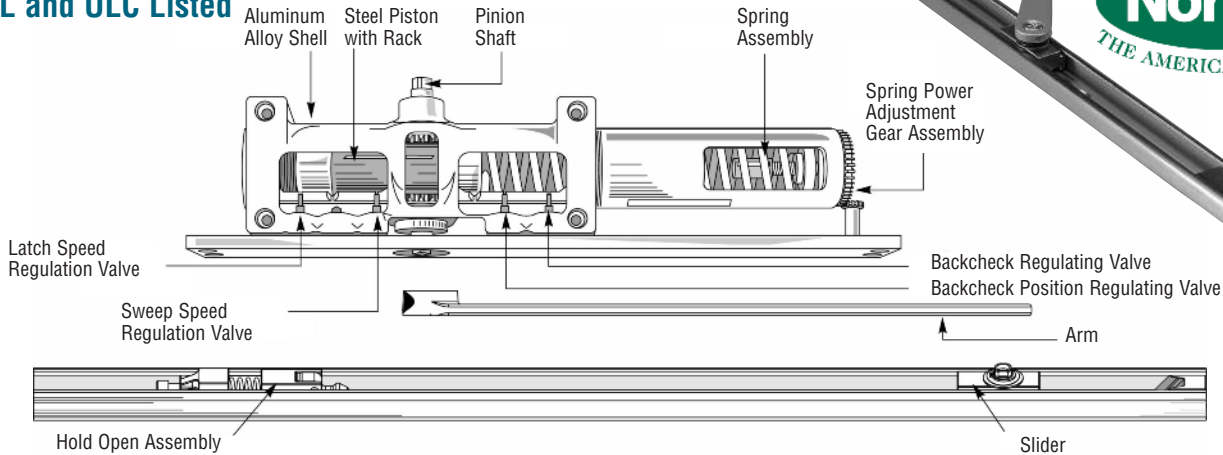
**NOTE:** For additional accessories see pages Z690 to Z693. All CRL and Jackson Brand accessories are interchangeable.

# CRL OVERHEAD CONCEALED DOOR CLOSERS

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## CRL Norton® 7900 Series Overhead Concealed Door Closers

- Models for Interior and Exterior Use
- Closer Body is Completely Concealed in Transom
- Concealed Arm and Slide Track in Door
- Best Suited for High Profile Applications
- A.D.A. Opening Forces to Conform With Barrier Code Requirements While Still Providing Door Control
- ANSI A156.4 – Grade 1
- UL and ULC Listed



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® 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.

### PACKAGING INFORMATION:

All Norton® 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

### CLOSER SELECTION DATA

CLOSER MODELS		MAXIMUM DOOR SIZE (WIDTH)	
NO HOLD OPEN	HOLD OPEN	INTERIOR	EXTERIOR
7900BF1	7900BF1H	48" (1219 mm)	-
7900BFE	7900BFEH	-	36" (914 mm)

### 7900BF1 SERIES INTERIOR CLOSERS

NO HOLD OPEN CAT. NO.	HOLD OPEN CAT. NO.	FINISH	CLOSER DESCRIPTION
7900BF1RA	7900BF1HRA	Aluminum	Right Hand - Size 1 to 4
7900BF1RDU	7900BF1HRDU	Dark Bronze	Right Hand - Size 1 to 4
7900BF1LA	7900BF1HLA	Aluminum	Left Hand - Size 1 to 4
7900BF1LDU	7900BF1HLDU	Dark Bronze	Left Hand - Size 1 to 4

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

SPECIFICATION	DIMENSION
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 Height	24" (610 mm)
Track Width	1-1/4" (32 mm)

### 7900BFE SERIES EXTERIOR CLOSERS

NO HOLD OPEN CAT. NO.	HOLD OPEN CAT. NO.	FINISH	CLOSER DESCRIPTION
7900BFERA	7900BFEHRA	Aluminum	Right Hand - Size 3 to 6
7900BFERDU	7900BFEHRDU	Dark Bronze	Right Hand - Size 3 to 6
7900BFELA	7900BFEHLA	Aluminum	Left Hand - Size 3 to 6
7900BFELDU	7900BFEHLDU	Dark Bronze	Left Hand - Size 3 to 6

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





# CRL FLOOR MOUNTED DOOR CLOSERS

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## CRL Heavy Weight Floor Mounted Door Closers

**new**



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

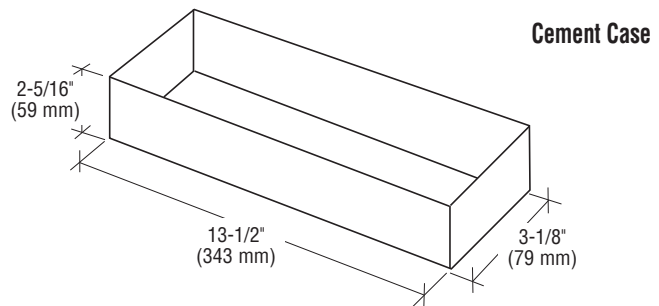
The CRL8500 Series Floor Closer is a heavy weight capacity closer capable of handling doors weighing up to 800 pounds (363 kg). The Closer is available in either 90 or 105 degree Hold Open or Non Hold Open models in three spring sizes to accommodate most standard installations.

The supplied 1/8" (3 mm) Collar Height Standard Spindle is interchangeable with other available Spindles (see page Z703) to accommodate different finished floor heights. Accessories such as Cover Plates, Pivots, Center-Hung and Offset Arms are also available. See pages Z703 to Z705.

**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.

### SPECIFICATIONS:

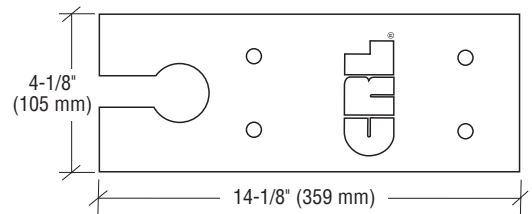
- Maximum Door Weight:** 800 lbs. (363 kg)
- Maximum Interior Door Width:** 54" (1372 mm)
- Maximum Exterior Door Width:** 48" (1219 mm)



### HEAVY WEIGHT FLOOR MOUNTED DOOR CLOSERS

CAT. NO.	SPRING SIZE	DESCRIPTION	MAXIMUM DOOR SIZE	
			INTERIOR	EXTERIOR
<b>CRL8532</b>	Size 3	180 Degree No Hold Open	42" (1067 mm)	36" (914 mm)
<b>CRL8534</b>	Size 3	90 Degree Hold Open	42" (1067 mm)	36" (914 mm)
<b>CRL8536</b>	Size 3	105 Degree Hold Open	42" (1067 mm)	36" (914 mm)
<b>CRL8542</b>	Size 4	180 Degree No Hold Open	48" (1219 mm)	42" (1067 mm)
<b>CRL8544</b>	Size 4	90 Degree Hold Open	48" (1219 mm)	42" (1067 mm)
<b>CRL8546</b>	Size 4	105 Degree Hold Open	48" (1219 mm)	42" (1067 mm)
<b>CRL8552</b>	Size 5	180 Degree No Hold Open	54" (1372 mm)	48" (1219 mm)
<b>CRL8554</b>	Size 5	90 Degree Hold Open	54" (1372 mm)	48" (1219 mm)
<b>CRL8556</b>	Size 5	105 Degree Hold Open	54" (1372 mm)	48" (1219 mm)

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



### COVER PLATES

CAT. NO.	FINISH
<b>CRL85CPBS</b>	*Brushed Stainless Steel
<b>CRL85CPPB</b>	Polished Brass
<b>CRL85CPPS</b>	Polished Stainless Steel

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

For a complete list of accessories, such as Cover Plates, Pivots, Center-Hung and Offset Arms, see pages Z703 to Z705.



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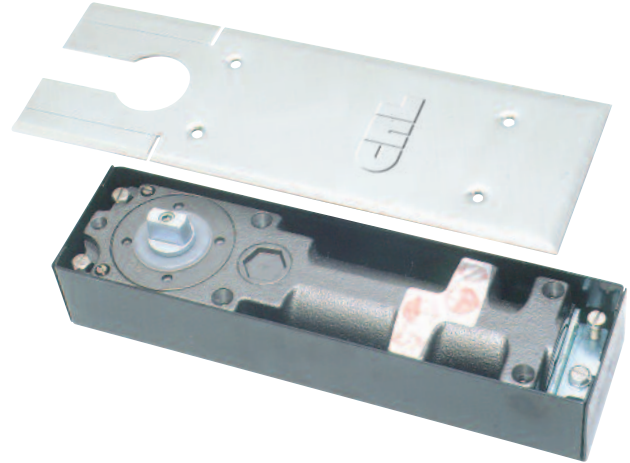
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[crlaurence.com](http://crlaurence.com)

## CRL Narrow Width Floor Mounted Door Closers



- The Perfect 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

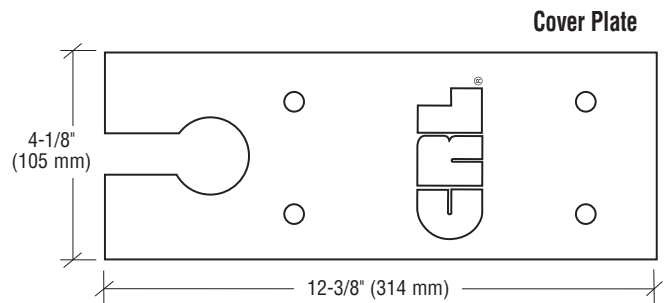
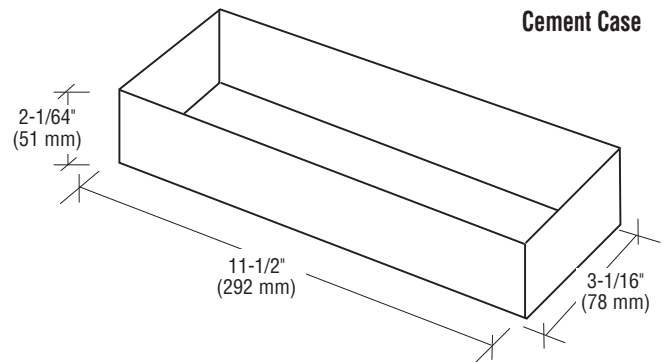
These Narrow Width Floor Mounted Door Closers are preferred on doors installed with Patch Hardware because smaller cover plates are more attractive in this type of installation. The Closer has separate valves to control closing and latching speeds. 90 Degree Hold Open and No Hold Open models are available.

The 1/8" (3 mm) collar height Spindle is supplied with the 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 Z703). Other accessories, such as Cover Plates, Pivots, Center-Hung and Offset Arms are also available. See pages Z703 to Z705.

**NOTE:** This 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	DESCRIPTION
<b>CRL8420</b>	Light	180 Degree Hold Open @ 90 Degree
<b>CRL8422</b>	Light	180 Degree No Hold Open
<b>CRL8460</b>	Medium	180 Degree Hold Open @ 90 Degree
<b>CRL8462</b>	Medium	180 Degree No Hold Open

**COVER PLATES**

CAT. NO.	FINISH
<b>CRL84CPBS</b>	*Brushed Stainless Steel
<b>CRL84CPPB</b>	Polished Brass
<b>CRL84CPPS</b>	Polished Stainless Steel

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

Minimum order: 1 each. \* Supplied with 8400 Series Floor Closers.

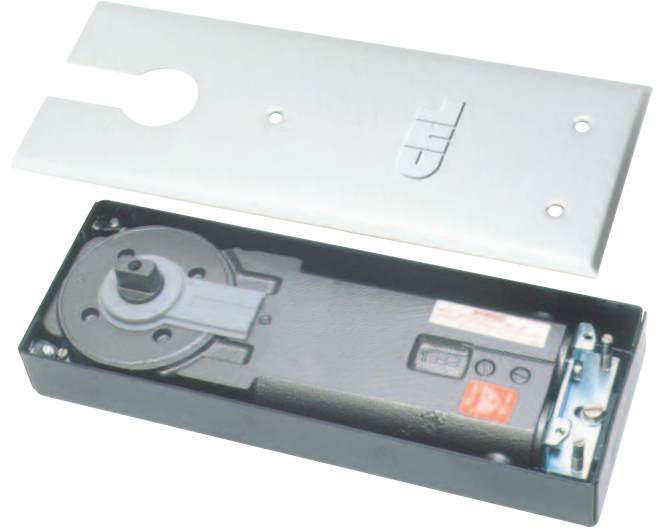
For a complete list of accessories, such as Cover Plates, Pivots, Center-Hung and Offset Arms, see pages Z703 to Z705.



# CRL FLOOR MOUNTED DOOR CLOSERS

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## CRL Shallow Depth Floor Mounted Door Closers



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

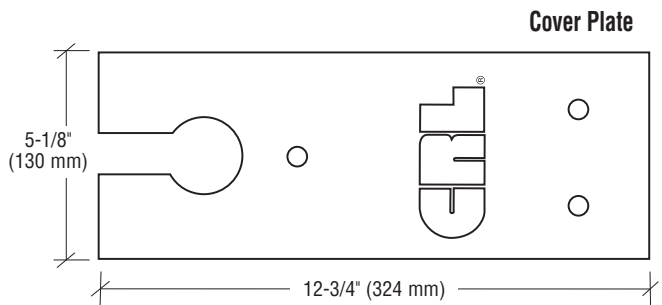
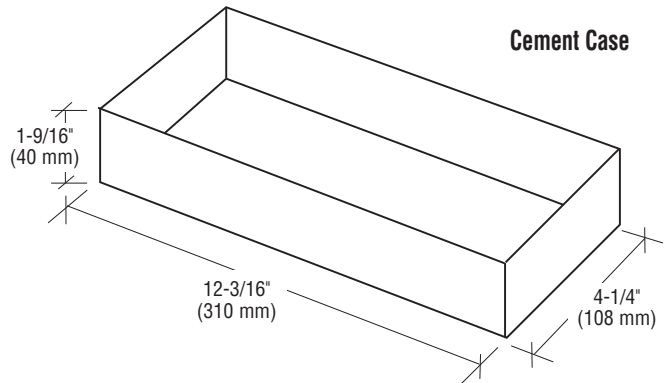
These Shallow Depth Floor Mounted Door Closers are preferred for many types of installations because they only require a shallow 1-9/16" (40 mm) cut-out in the floor. This is especially important on floors above the ground floor. The shallow cut-out leaves enough remaining floor under the Closer to support the door weight. The 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 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 Z703). Other accessories, such as Cover Plates, Pivots, Center-Hung and Offset Arms are also available. See pages Z703 to Z705.

**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.

### 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	DESCRIPTION
<b>CRL8360</b>	Medium	90 Degree Hold Open
<b>CRL8370</b>	Medium	105 Degree Hold Open
<b>CRL8372</b>	Medium	105 Degree No Hold Open

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

### COVER PLATES

CAT. NO.	FINISH
<b>CRL83CPBS</b>	*Brushed Stainless Steel
<b>CRL83CPPB</b>	Polished Brass
<b>CRL83CPPS</b>	Polished Stainless Steel

Minimum order: 1 each. \* Supplied with 8300 Series Floor Closers.

For a complete list of accessories, such as Cover Plates, Pivots, Center-Hung and Offset Arms, see pages Z703 to Z705.



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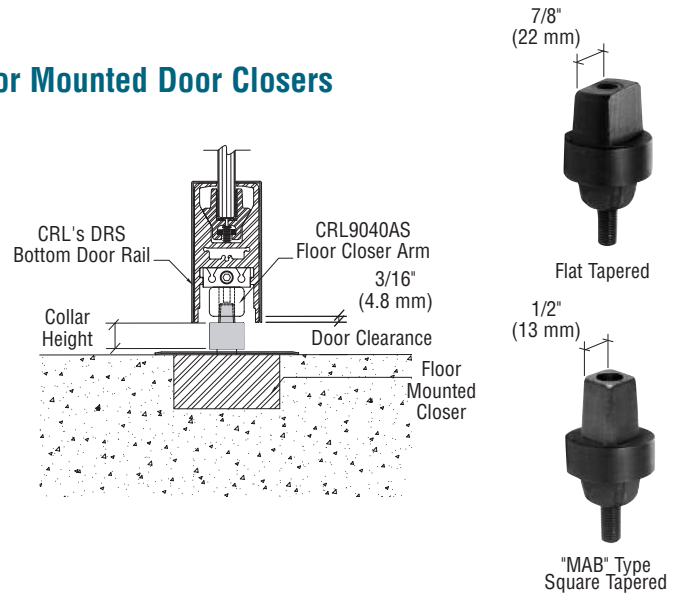
## CRL Interchangeable Floor Closer Spindles

- 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.

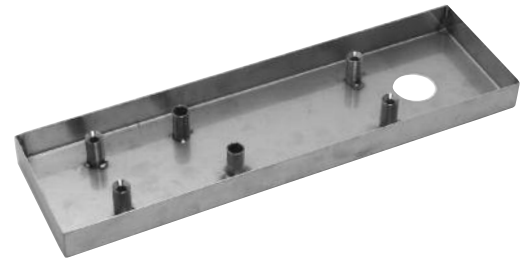


## CRL Floor Closer Terrazzo Pan

**new**

- For Use With CRL8500 Series Floor 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 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.



CAT. NO. TPCRL85

## CRL Center-Hung Bottom Arms

- Arms for CRL8300, CRL8400, and CRL8500 Series Floor Closers With Flat Tapered Spindles

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



For Aluminum Doors



For Steel or Wood Doors



For CRL Door Rail System

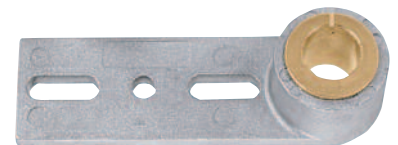
CAT. NO.	DESCRIPTION
CRL9040CB	Arm for Aluminum Doors
CRL9040TB	Arm for Steel or Wood Doors
CRL9040AS	Arm for CRL Door Rail System

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

## 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 Arm



Heavy-Duty Arm

CAT. NO.	DESCRIPTION
CRL9040TDF	Standard Pivot Arm
CRL9060TDF	Heavy-Duty Pivot Arm

Minimum order: 1 each.

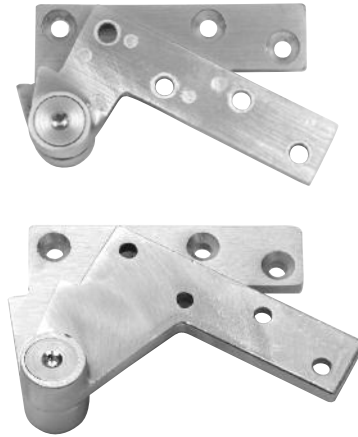
# CRL FLOOR MOUNTED DOOR CLOSERS

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## CRL Offset Top Pivots

- Can Be Used With All CRL8300, CRL8400, and CRL8500 Series 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
CRL9075BS	Brushed Stainless
CRL9075PB	Polished Brass
CRL9075PS	Polished Stainless
CRL9075DU	Dark Bronze

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

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

CAT. NO.	FINISH
95120BS	Brushed Stainless
95120DU	Dark Bronze

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

## CRL 3/4" Intermediate Offset Aluminum Pivot Sets

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



- For New or Retrofit Use
- Available in Four Finishes

LEFT HAND (RHR)		RIGHT HAND (LHR)
CAT. NO.	FINISH	CAT. NO.
CRL19LHSC	Satin Chrome	CRL19RHSC
CRL19LHPC	Polished Chrome	CRL19RHPC
CRL19LHPB	Polished Brass	CRL19RHBP
CRL19LH DU	Dark Bronze	CRL19RH DU

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

## CRL Reinforcement Backing Plate for Intermediate Offset Pivots

This CRL Reinforcement Backing Plate is designed to support standard CRL19, J190, M19, and M190 style 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

- Used With CRL19, J190, M19, and M190 Style Offset Intermediate Pivots
- Non-Handed, Use for Both Door and Frame Reinforcement

## CRL Offset Bottom Arms

- Fit All CRL8300, CRL8400, and CRL8500 Series Floor Mounted Door Closers With a Flat Tapered Spindle

CRL Offset Closer 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.



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

LEFT HAND (RHR)		RIGHT HAND (LHR)
CAT. NO.	FINISH	CAT. NO.
CRL9077BS	Brushed Stainless	CRL9079BS
CRL9077PB	Polished Brass	CRL9079PB
CRL9077PS	Polished Stainless	CRL9079PS
CRL9077DU	Dark Bronze	CRL9079DU

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

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

LEFT HAND (RHR)		RIGHT HAND (LHR)
CAT. NO.	FINISH	CAT. NO.
95323LHBS	Brushed Stainless	95323RHBS
95323LH DU	Dark Bronze	95323RH DU

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



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# CRL FLOOR MOUNTED DOOR CLOSERS

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## 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

## CRL Surface Mounted Free-Swinging Top Pivot

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



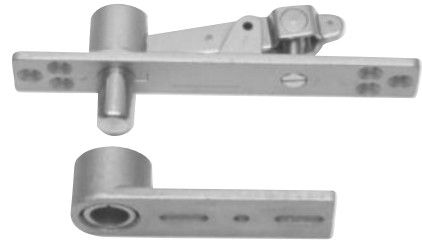
This 19/32" (15 mm) diameter Free-Swinging Top Pivot installs easily to wood or metal substrates to work with Cat. No. CRL9040TDF or CRL9060TDF Top Door Fittings, CRL Top Door Patch Fittings PH20A, PH21A, and EUR420, or any Top Pivot with a 19/32" (15 mm) diameter hole. Brushed stainless finish. Mounting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

CAT. NO. 1NT401

## CRL Center-Hung Top Pivot

- Walking Beam Style Pivot
- Optional Cover Plates Available in Five Finishes (See Below)

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. Optional Finished Cover Plates and Hollow Tube Mounting Brackets are also available. Minimum order is one each.



CAT. NO. CRL9040WBP

## CRL Walking Beam Pivot Cover Plate

- Conceals Header Mounted CRL9040WBP Walking Beam Pivot
- Available in Five Finishes

The CRL Walking Beam Top Pivot Cover Plate is used to cover and conceal a CRL9040WBP Walking Beam Top Pivot mounted in the header. The Cover Plate allows full access to the adjustment screw and pivot pin. Choice of five architectural finishes.



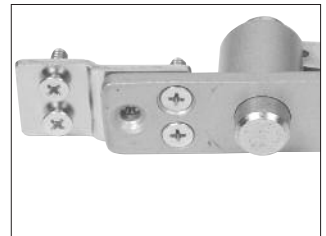
CAT. NO.	FINISH
CRL9040CPA	Satin Aluminum
CRL9040CPBS	Brushed Stainless Steel
CRL9040CPPB	Polished Brass
CRL9040CPPS	Polished Stainless Steel
CRL9040CPDU	Dark Bronze

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. The Brackets mount to the header, and allow the Pivot body to be securely attached to the header. Minimum order is one set.



CAT. NO. CRL9040MB

## CRL Jackson Center-Hung Top Pivot

- Walking Beam Style Pivot – Frame Portion Only
- Aluminum Finish Cover Plate Included

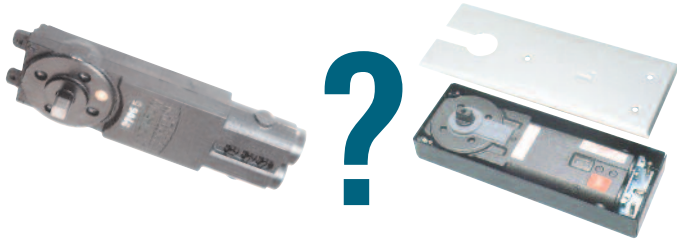
This Center-Hung Top Pivot fits top door rails with a depth of 1" (25 mm). Hardened steel pin has a diameter of 1/2" (12.7 mm), and drops down 3/4" (19 mm) for full contact with Top Door Pivot Arm. Minimum order is one each.



CAT. NO. 213K



## CRL Concealed Closer Retrofit Free-Swing Pivots and Arms



What's in the Header?  
International®, Jackson®,  
Dorma®, Kawneer® Husky®?

What's in the Floor?  
Jackson®, Rixson®  
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.

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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.

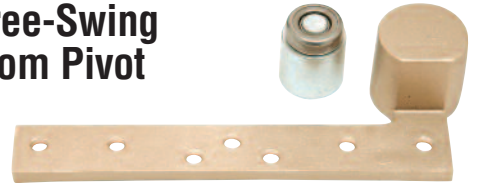


CAT. NO.	DESCRIPTION
<b>NDC100</b>	Center-Hung Free-Swing Arm and Bottom Pivot

Minimum order: 1 each.

## CRL Offset Free-Swing Arm and Bottom Pivot

RH Shown



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
<b>NDC101LH</b>	Left Hand 3/4" (19 mm) Offset Floor Closer Arm
<b>NDC101RH</b>	Right Hand 3/4" (19 mm) Offset Floor Closer Arm
<b>NDC101LH15</b>	Left Hand 1-1/2" (38 mm) Offset Floor Closer Arm
<b>NDC101RH15</b>	Right Hand 1-1/2" (38 mm) Offset Floor Closer Arm

Minimum order: 1 each.

## CRL Center-Hung Free-Swing End-Load Top Arm

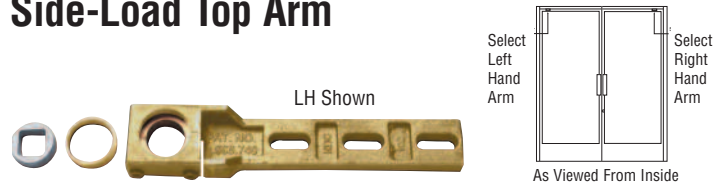


The NDC102 works on most existing overhead concealed door closers using end-load arms, including the Kawneer® Husky®. The spindle adapter rotates inside the bronze bushing and allows the door to swing free. Header mounted door stop included.

CAT. NO.	DESCRIPTION
<b>NDC102</b>	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
<b>NDC102SLRH</b>	Right Hand Center-Hung Free-Swing Side-Load Top Arm
<b>NDC102SLRH</b>	Left Hand Center-Hung Free-Swing Side-Load Top Arm

Minimum order: 1 each.

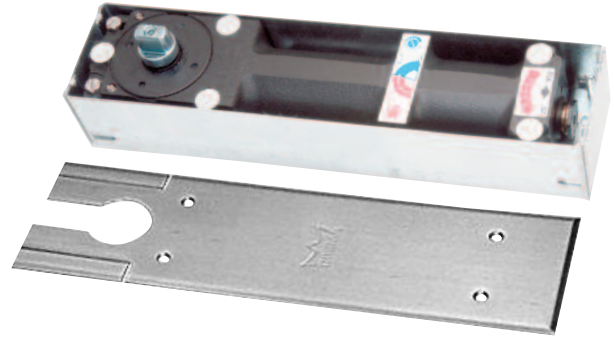
# CRL FLOOR MOUNTED DOOR CLOSERS

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## CRL Dorma® BTS80 Series Floor Mounted Door Closers



The Dorma® BTS80 Series Floor Closers offer adaptability to almost any installation. The Dorma® Closer's compact body permits its use where a larger closer would be prohibitive. The universal, non-handed design uses a system of interchangeable spindles, and will allow one basic 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, multi-point hold open or variable delayed action feature makes this one of the most versatile closers available. Accessories such as Cover Plates, Pivots, Center-Hung and Offset Arms are also available.



**NOTE:** This 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.

- 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

**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)

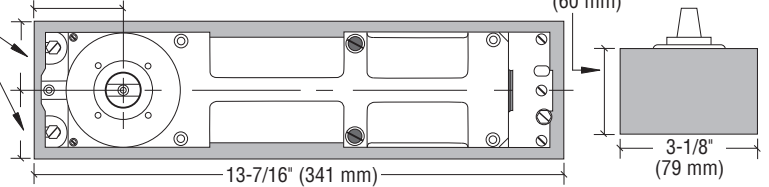
2" to 2-1/4"  
(51 to 57 mm)

2-3/8"  
(60 mm)

DORMA® is a registered trademark of DORMA® Properties, Inc.



\*\*Although A.D.A. Series 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® BTS80 FLOOR MOUNTED DOOR CLOSER WITH CEMENT CASE\***

CAT. NO.	SPRING SIZE	DOOR CAPACITY	
		INTERIOR	EXTERIOR
<b>BTS80BF</b>	A.D.A. - 8.5 Lb**	—	When Used With a 36" (914 mm) Wide Door
<b>BTS802</b>	Size 2	30" to 48" (762 to 1219 mm)	30" to 42" (762 to 1067 mm)
<b>BTS803</b>	Size 3	48" to 54" (1219 to 1372 mm)	42" to 48" (1067 to 1219 mm)

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

**BTS80 COVER PLATES**

CAT. NO.	FINISH
<b>BTS7410CPBS</b>	Brushed Stainless Steel
<b>BTS7410CPPB</b>	Polished Brass
<b>BTS7410CPPS</b>	Polished Stainless Steel
<b>BTS7410CPDU</b>	Dark Bronze

Minimum order: 1 each.

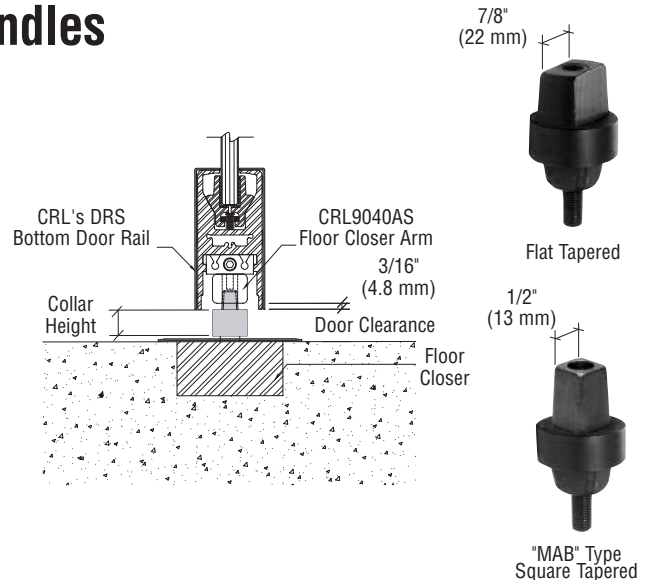
## CRL Interchangeable Floor Closer Spindles

• For Use With 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 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
<b>CRL9040S3</b>	<b>CRL9050S3</b>	1/8" (3 mm)	5/16" (8 mm)
<b>CRL9040S8</b>	<b>CRL9050S8</b>	5/16" (8 mm)	1/2" (13 mm)
<b>CRL9040S13</b>	<b>CRL9050S13</b>	1/2" (13 mm)	11/16" (17 mm)
<b>CRL9040S18</b>	<b>CRL9050S18</b>	3/4" (19 mm)	15/16" (24 mm)
<b>CRL9040S23</b>	<b>CRL9050S23</b>	7/8" (22 mm)	1-1/16" (27 mm)
<b>CRL9040S28</b>	<b>CRL9050S28</b>	1-1/8" (29 mm)	1-5/16" (33 mm)
<b>CRL9040S33</b>	<b>CRL9050S33</b>	1-5/16" (33 mm)	1-1/2" (38 mm)

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

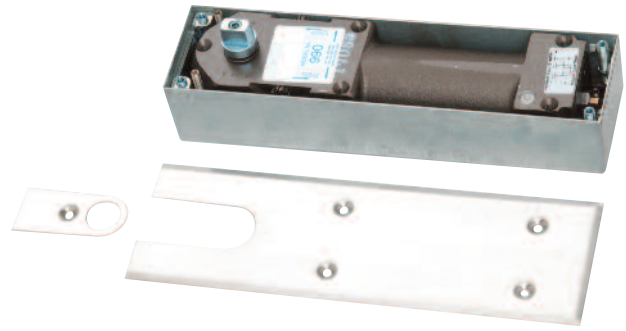


# CRL FLOOR MOUNTED DOOR CLOSERS

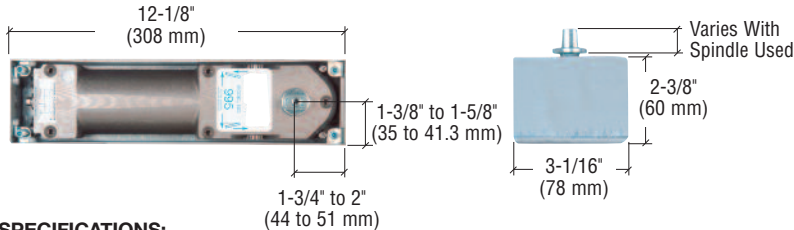
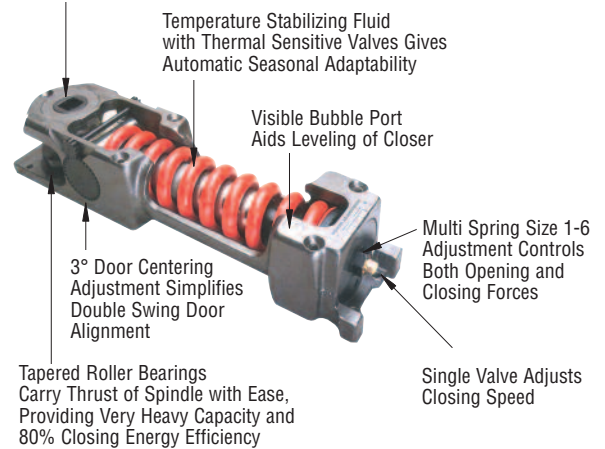
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## CRL 900 Series Heavy-Duty Floor Mounted Door Closers

- 1000 Pound (454 kg) Capacity, 54" (1372 mm) Doors
- Multi-Size Spring Power Adjustable
- Interchangeable Spindle Heights
- Levelling and Door Centering Adjustments
- 10 Year Limited Warranty
- UL Listed



Interchangeable Spindle System Adapts to Door and Floor Clearance Needs



### SPECIFICATIONS:

**Maximum Center-Hung Door:** Weight = 1000 lbs. (454 kg), Width = 54" (1372 mm)

**Maximum 3/4" Offset Door:** Weight = 650 lbs. (295 kg), Width = 48" (1219 mm)

**Maximum 1-1/2" Offset Door:** Weight = 300 lbs. (136 kg), Width = 42" (1067 mm)

**Adjustable Spring Power:** Multi-Size 1 - 6

**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 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 Floor Closer can be used with larger and heavier interior or exterior doors for longer, maintenance-free performance. These Closers are available in dual 90 and 120 degree, or 105 degree only Hold Open and No Hold Open models.

This fully adjustable 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 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.

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](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

**NOTE:** This 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.

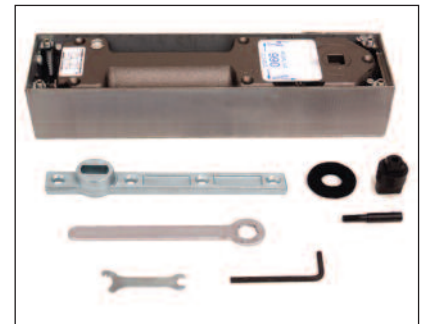
## Basic Closer Package

**CONSISTS OF:**  
990 Closer Body  
Cement Case  
Installation Tool Package



## Center-Hung Package

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



CAT. NO.	DESCRIPTION
J990NHOD	180 Degree Swing No Hold Open
J993HOD	180 Degree Swing Hold Open @ 90 Degrees and 120 Degrees
J994HOD	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.

CAT. NO.	DESCRIPTION
J990NHON	180 Degree Swing No Hold Open
J993HON	180 Degree Swing Hold Open @ 90 Degrees and 120 Degrees
J994HON	180 Degree Swing Hold Open @ 105 Degrees
J995BCN	180 Degree Swing No Hold Open – Backcheck @ 85 Degrees

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

**NOTE:** \*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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[crlaurence.de](http://crlaurence.de)

[crlaurence.com](http://crlaurence.com)



## CRL Floor Closer Cover Plates

- 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.

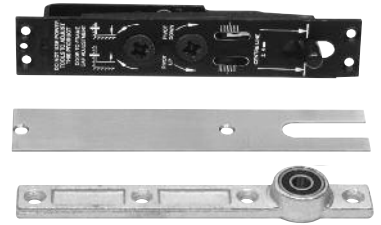
CAT. NO.	FINISH
J7020CPBS	Brushed Stainless Steel
J7020CPPB	Polished Brass
J7020CPPS	Polished Stainless Steel
J7020CPDU	Dark Bronze

Minimum order: 1 each.

## CRL Heavy-Duty Center-Hung Top Pivot

**new**

- 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

Minimum order: 1 each.

## CRL Center-Hung Bottom Arms

Arm for Aluminum, Steel or Wood Doors

CAT. NO. J7080



Arm for CRL Door Rail System

CAT. NO. CRL9040AS



These CRL Center-Hung Floor Closer Arms should be used with doors having a minimum 3/4" (19 mm) deep bottom door rail. Arms will accommodate most door types. They can be used with 900 Series Floor 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
CRL9040AS	For CRL Door Rail System

Minimum order: 1 each.

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

**new**

- 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

## CRL Floor Closer Terrazzo Pan

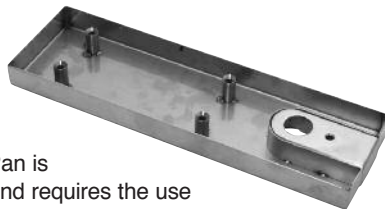
**new**

- 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

## CRL 900 Series Cement Case

**new**

- 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.



CAT. NO. J9010

# CRL FLOOR MOUNTED DOOR CLOSERS

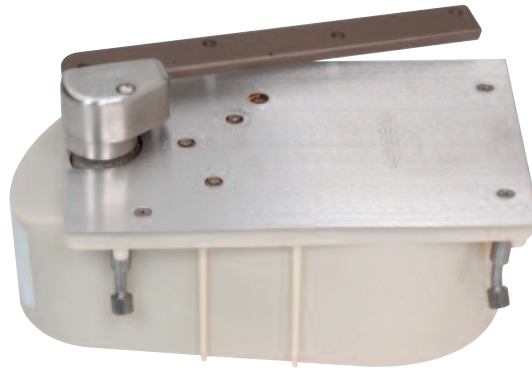
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## CRL Rixson® 27 Series 3/4" Offset Floor Mounted Door Closers



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

- 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® Floor Closers are a time proven product known for reliability and 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® Floor 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.

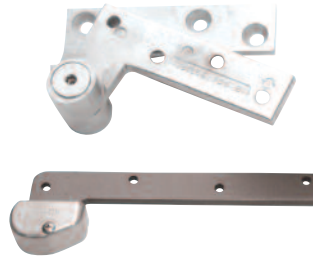
### FEATURES AND SPECIFICATIONS

- Single Acting, Handed
- Selective Hold Open (SHO) Stocked
- Separate and Independent Valves for Closing Speed, Latching Speed, 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 27 Series 3/4" Offset Floor Closer Packages

### CONTENTS:

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



CAT. NO.	DESCRIPTION	HANDING	FINISH
<b>2790SHORHSC</b>	90 Degree Selective Hold Open	Right Hand	Satin Chrome
<b>2790SHORHPC</b>	90 Degree Selective Hold Open	Right Hand	Polished Chrome
<b>2790SHORHPB</b>	90 Degree Selective Hold Open	Right Hand	Polished Brass
<b>2790SHORH DU</b>	90 Degree Selective Hold Open	Right Hand	Dark Bronze
<b>2790SHOLHSC</b>	90 Degree Selective Hold Open	Left Hand	Satin Chrome
<b>2790SHOLHPC</b>	90 Degree Selective Hold Open	Left Hand	Polished Chrome
<b>2790SHOLHPB</b>	90 Degree Selective Hold Open	Left Hand	Polished Brass
<b>2790SHOLH DU</b>	90 Degree Selective Hold Open	Left Hand	Dark Bronze
<b>27105SHORHSC</b>	105 Degree Selective Hold Open	Right Hand	Satin Chrome
<b>27105SHORHPC</b>	105 Degree Selective Hold Open	Right Hand	Polished Chrome
<b>27105SHORHPB</b>	105 Degree Selective Hold Open	Right Hand	Polished Brass
<b>27105SHORH DU</b>	105 Degree Selective Hold Open	Right Hand	Dark Bronze
<b>27105SHOLHSC</b>	105 Degree Selective Hold Open	Left Hand	Satin Chrome
<b>27105SHOLHPC</b>	105 Degree Selective Hold Open	Left Hand	Polished Chrome
<b>27105SHOLHPB</b>	105 Degree Selective Hold Open	Left Hand	Polished Brass
<b>27105SHOLH DU</b>	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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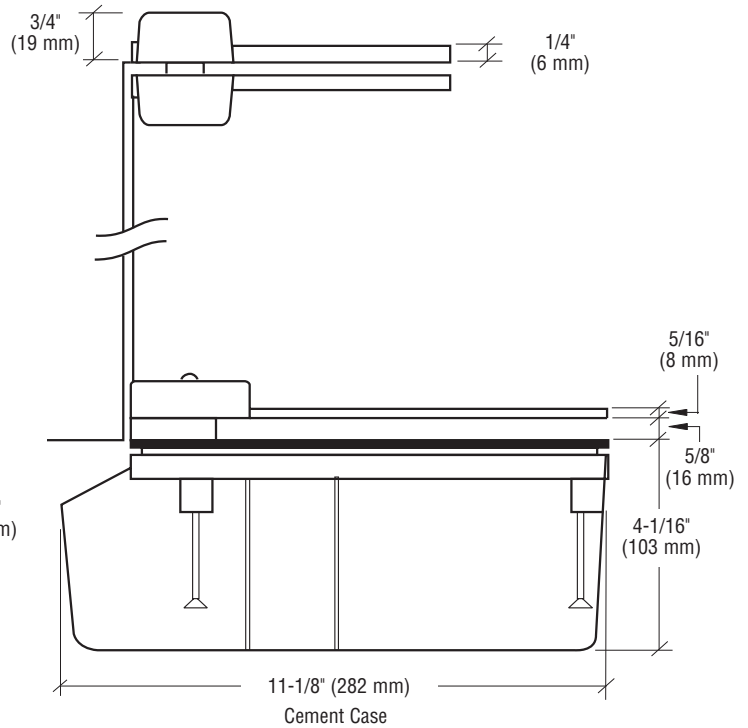
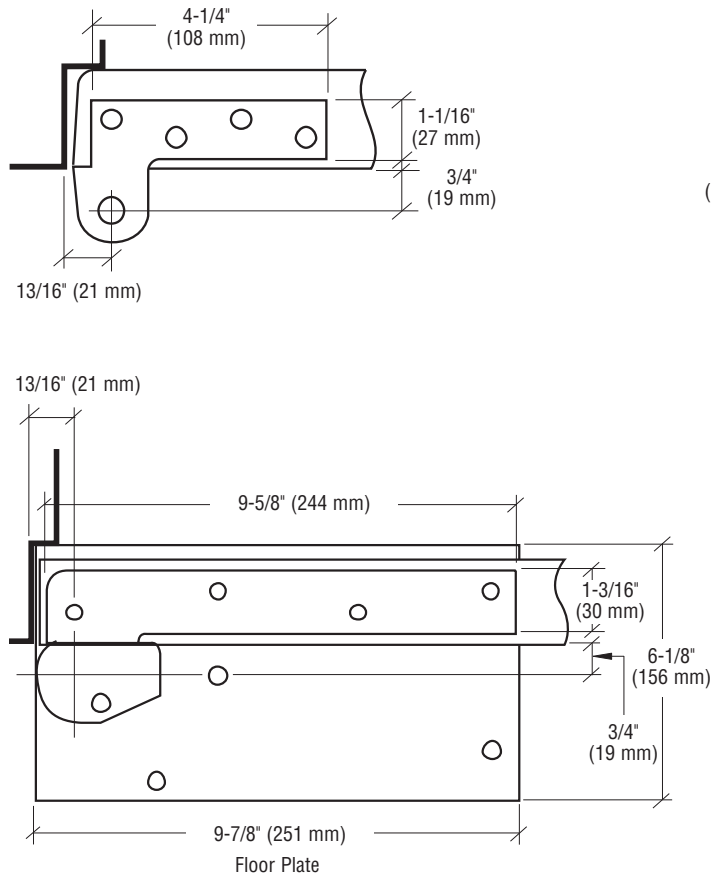
# CRL FLOOR MOUNTED DOOR CLOSERS

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



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



## CRL Rixson® 27 Series 3/4" Offset Floor Closer Bodies Only

### 27 SERIES FLOOR CLOSER BODY ONLY

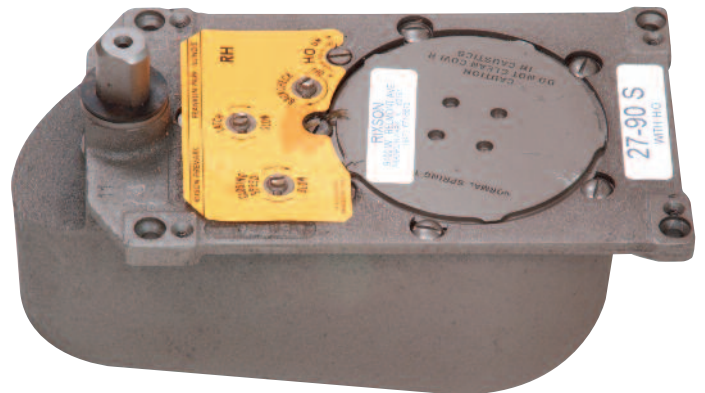
CAT. NO.	DESCRIPTION	HANDING
<b>2790SHORHBODY</b>	90 Degree Selective Hold Open	Right Hand
<b>2790SHOLHBODY</b>	90 Degree Selective Hold Open	Left Hand
<b>27105SHORHBODY</b>	105 Degree Selective Hold Open	Right Hand
<b>27105SHOLHBODY</b>	105 Degree Selective Hold Open	Left Hand

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

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

CAT. NO.	DESCRIPTION	HANDING
<b>PH2790SHORH85</b>	90 Degree Selective Hold Open	Right Hand
<b>PH2790SHOLH85</b>	90 Degree Selective Hold Open	Left Hand
<b>PH27105SHORH85</b>	105 Degree Selective Hold Open	Right Hand
<b>PH27105SHOLH85</b>	105 Degree Selective Hold Open	Left Hand

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



**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 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](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



\*Although A.D.A. Series 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.



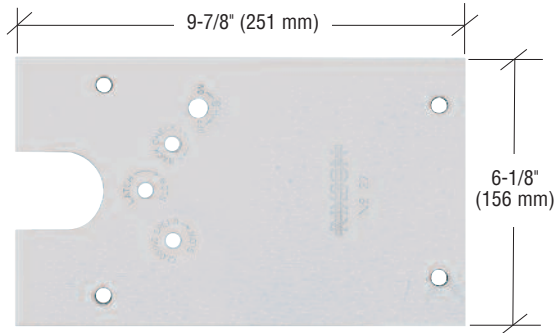


## CRL Rixson® Accessories for 27 Series 3/4" Offset Floor Mounted Door Closers



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### CRL Rixson® Cover Plates for 27 Series SHO Floor Closers



27 Series SHO Cover Plate (RH Shown)

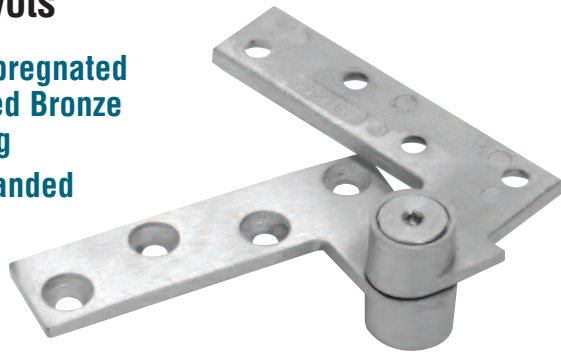
Cover Plates are handed, and allow access to selective hold open valve and closer adjustments without removing the door. Furnished complete with finished mounting screws.

LEFT HAND CAT. NO.	RIGHT HAND CAT. NO.	FINISH
274750LHSC	274750RHSC	Satin Chrome
274750LHPC	274750RHPC	Polished Chrome
274750LHPB	274750RHBPB	Polished Brass
274750LH DU	274750RH DU	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.



LH Shown



RH Shown

LEFT HAND CAT. NO.	RIGHT HAND CAT. NO.	FINISH
M19LHSC	M19RHSC	Satin Chrome
M19LHPC	M19RHPC	Polished Chrome
M19LHPB	M19RHBPB	Polished Brass
M19LH DU	M19RH DU	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 CRL19, J190, M19, and M190 style 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 Closers



Offset Closer Arms are used with single acting doors where the Floor Closer is offset mounted. The Arms are handed, and are supplied with a finished cover to match the opening finish.

LEFT HAND CAT. NO.	RIGHT HAND CAT. NO.	FINISH
252050LHSC	252050RHSC	Satin Chrome
252050LHPC	252050RHPC	Polished Chrome
252050LHPB	252050RHBPB	Polished Brass
252050LH DU	252050RH DU	Dark Bronze

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

# CRL FLOOR MOUNTED DOOR CLOSERS

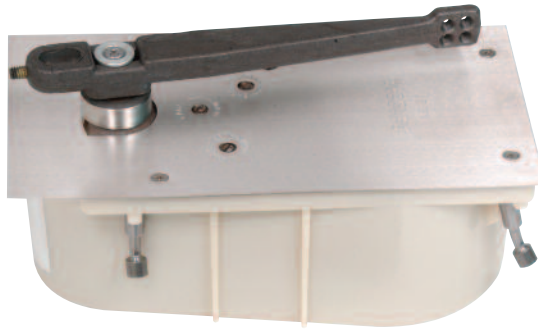
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## CRL Rixson® 28 Series Center-Hung Floor Mounted Door Closers



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

- For Exterior or Interior Doors
- 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® Floor Closers are a time proven product known for reliability and 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® Floor 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.

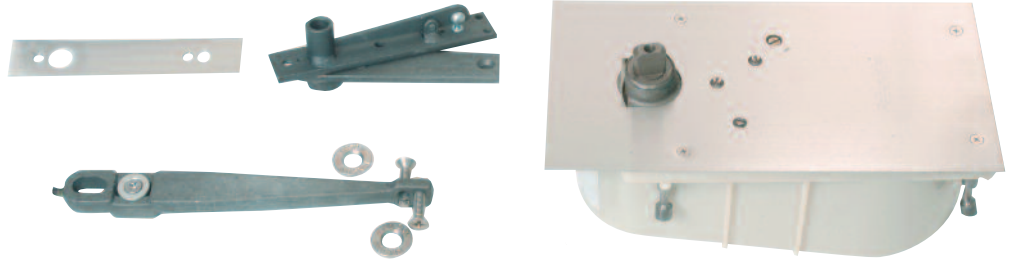
### FEATURES AND SPECIFICATIONS

- Single Acting, Handed
- Selective Hold Open (SHO) Stocked
- Separate and Independent Valves for Closing Speed, Latching Speed, 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
- 350 Lb. (159 kg), 48" (1219 mm) Width Capacity.
- Furnished with Wood and Machine Screws

## Complete 28 Series Center-Hung Floor Closer Packages

### CONTENTS:

- 28 Series Center-Hung Closer Body
- 253000 Cement Case
- 284720 Finished Cover Plate
- 282026 Bottom Arm
- 340 Center-Hung Top Pivot



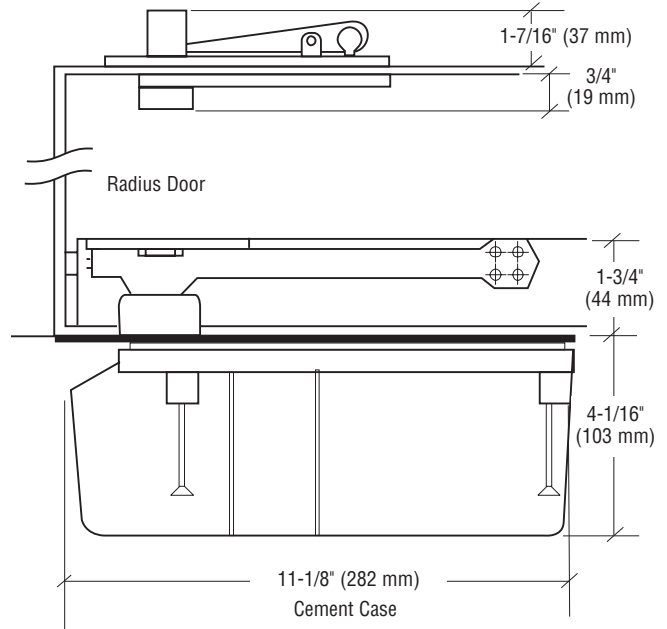
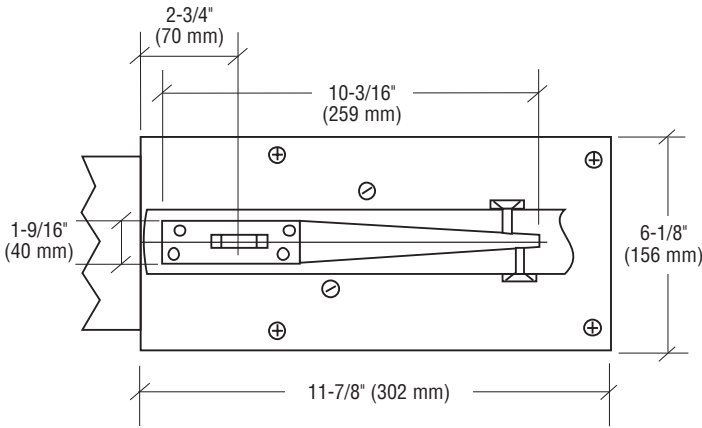
CAT. NO.	DESCRIPTION	HANDING	FINISH
<a href="#">2890SH0RHSC</a>	90 Degree Selective Hold Open	Right Hand	Satin Chrome
<a href="#">2890SH0RHPC</a>	90 Degree Selective Hold Open	Right Hand	Polished Chrome
<a href="#">2890SH0RHBPB</a>	90 Degree Selective Hold Open	Right Hand	Polished Brass
<a href="#">2890SH0RH DU</a>	90 Degree Selective Hold Open	Right Hand	Dark Bronze
<a href="#">2890SH0LHSC</a>	90 Degree Selective Hold Open	Left Hand	Satin Chrome
<a href="#">2890SH0LHPC</a>	90 Degree Selective Hold Open	Left Hand	Polished Chrome
<a href="#">2890SH0LHPB</a>	90 Degree Selective Hold Open	Left Hand	Polished Brass
<a href="#">2890SH0LH DU</a>	90 Degree Selective Hold Open	Left Hand	Dark Bronze
<a href="#">28105SH0RHSC</a>	105 Degree Selective Hold Open	Right Hand	Satin Chrome
<a href="#">28105SH0RHPC</a>	105 Degree Selective Hold Open	Right Hand	Polished Chrome
<a href="#">28105SH0RHBPB</a>	105 Degree Selective Hold Open	Right Hand	Polished Brass
<a href="#">28105SH0RH DU</a>	105 Degree Selective Hold Open	Right Hand	Dark Bronze
<a href="#">28105SH0LHSC</a>	105 Degree Selective Hold Open	Left Hand	Satin Chrome
<a href="#">28105SH0LHPC</a>	105 Degree Selective Hold Open	Left Hand	Polished Chrome
<a href="#">28105SH0LHPB</a>	105 Degree Selective Hold Open	Left Hand	Polished Brass
<a href="#">28105SH0LH DU</a>	105 Degree Selective Hold Open	Left Hand	Dark Bronze



## CRL Rixson® 28 Series Center-Hung Floor Mounted Door Closers



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## CRL Rixson® 28 Series Center-Hung Floor Closer Bodies Only

### 28 SERIES FLOOR CLOSER BODY ONLY

CAT. NO.	DESCRIPTION	HANDING
<b>2890SHORHBODY</b>	90 Degree Selective Hold Open	Right Hand
<b>2890SHOLHBODY</b>	90 Degree Selective Hold Open	Left Hand
<b>28105SHORHBODY</b>	105 Degree Selective Hold Open	Right Hand
<b>28105SHOLHBODY</b>	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 CLOSER BODY ONLY

CAT. NO.	DESCRIPTION	HANDING
<b>PH2890SHORH85</b>	90 Degree Selective Hold Open	Right Hand
<b>PH2890SHOLH85</b>	90 Degree Selective Hold Open	Left Hand
<b>PH28105SHORH85</b>	105 Degree Selective Hold Open	Right Hand
<b>PH28105SHOLH85</b>	105 Degree Selective Hold Open	Left Hand

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

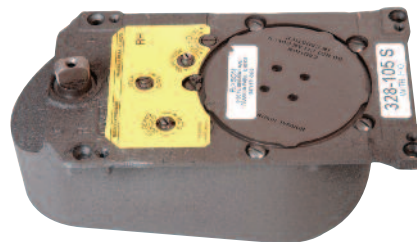
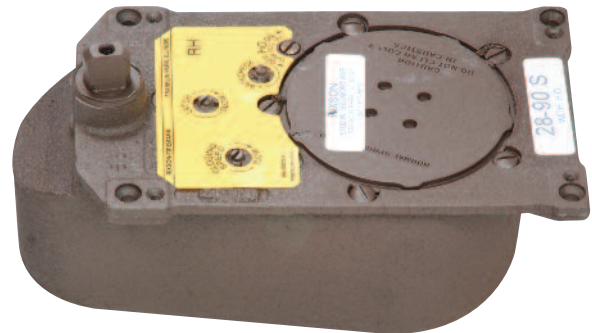


\*Although A.D.A. Series Closers comply with A.D.A. specified opening forces, they might not provide adequate spring power to control and close the door due to varying site conditions and door size.

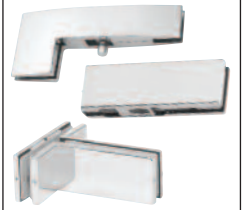
## CRL Rixson® 328 Series Center-Hung Floor Closer Bodies for Patch Fittings

### 328 SERIES FLOOR CLOSER BODY ONLY

CAT. NO.	DESCRIPTION	HANDING
<b>32890SHORHBODY</b>	90 Degree Selective Hold Open	Right Hand
<b>32890SHOLHBODY</b>	90 Degree Selective Hold Open	Left Hand
<b>328105SHORHBOD</b>	105 Degree Selective Hold Open	Right Hand
<b>328105SHOLHBOD</b>	105 Degree Selective Hold Open	Left Hand



For a complete selection of CRL Patch Fittings, see pages Z580 - Z605



**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 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](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.



# CRL FLOOR MOUNTED DOOR CLOSERS

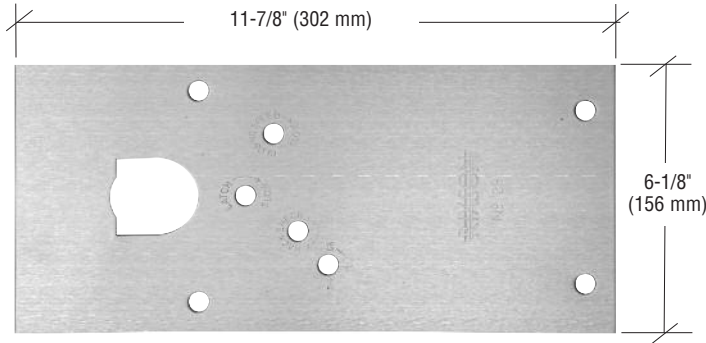
For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Rixson® Accessories for 28 Series Center-Hung Floor Mounted Door Closers



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

### CRL Rixson® Cover Plates for 28 Series SHO Floor 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	284720RHBPB	Polished Brass
284720LH DU	284720RH DU	Dark Bronze

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

### CRL Rixson® Cement Case for 27 and 28 Series Floor Closers



CAT. NO. 253000

This Rixson® Cement Case is made from cycolac, and is used for standard 27 and 28 Series Floor 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 Z711, Z714)

### 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

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

### CRL Rixson® 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 Z714)



# CRL FLOOR MOUNTED DOOR CLOSERS

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

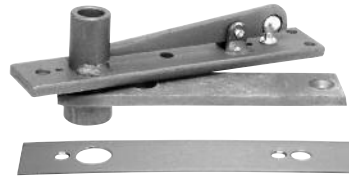
## CRL Rixson® Accessories for Floor Mounted Door Closers



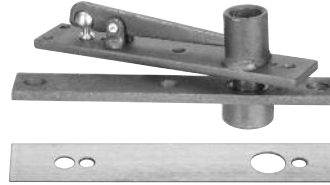
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### CRL Rixson® Regular Duty and Heavy-Duty Center-Hung Top Pivots

- 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 Door Over 8'6" (2.6 m) in Height
- Finished Cover Plates Are Included
- Non-Handed



Regular Duty Pivot



Heavy-Duty Pivot



Long Throw Heavy-Duty Pivot

These CRL Rixson® Center-Hung Walking Beam Type 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. The supplied Top Rail Door Arm provides a 3/4" (19 mm) deep engagement for the first two, and 1-3/4" (44 mm) deep engagement for the Long Throw Heavy-Duty Pivot making it ideal for locations where there is fear 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 H345 Series Long Throw Heavy-Duty Pivot.

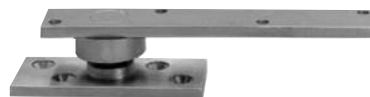
REGULAR DUTY CAT. NO.	HEAVY-DUTY CAT. NO.	LONG THROW HEAVY-DUTY CAT. NO.	COVER PLATE FINISH
340SC	H340SC	H345SC	Satin Chrome
340PC	H340PC	H345PC	Polished Chrome
340PB	H340PB	H345PB	Polished Brass
340DU	H340DU	H345DU	Dark Bronze

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

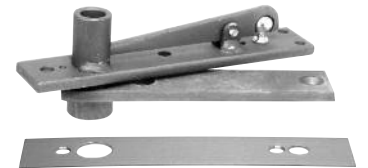
## CRL Rixson® Center-Hung Pivot Set

- Interior or Exterior Center-Hung Doors Up to 500 Pounds (227 kg)
- 340 Center-Hung Top Pivot Included

This Rixson® 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" (1118 x 2591 mm). Double-acting non-handed Bottom Pivot mounts directly to floor. Sealed bearings for protection against the weather.



Bottom Pivot



Top Pivot

CAT. NO.	COVER PLATE FINISH
370SC	Satin Chrome
370PC	Polished Chrome
370PB	Polished Brass
370DU	Dark Bronze

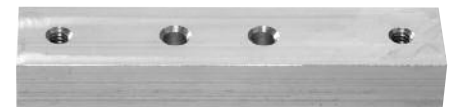
Minimum order: 1 each. Finishes can be combined for quantity pricing.

## CRL Rixson® 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® 340 Regular Duty Walking Beam Pivot or H340 Heavy-Duty Walking Beam Pivot. Minimum order is one each.



Regular Duty Adapter Block  
CAT. NO. CRL340ADP



Heavy-Duty Adapter Block  
CAT. NO. CRLH340ADP



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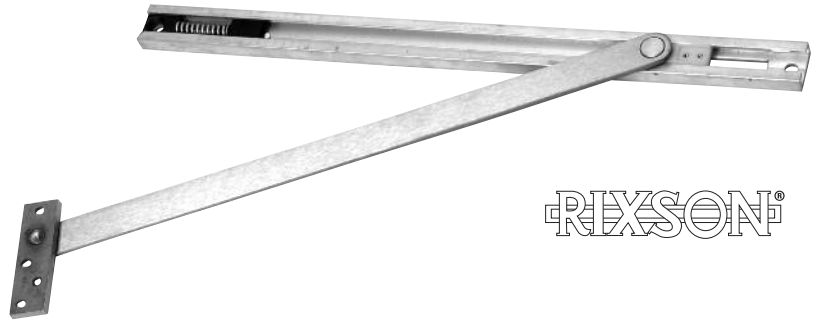
crlaurence.com.au

crlaurence.co.uk

crlaurence.de

## CRL Rixson® Overhead Stops and Holders

- Multi-Function Hold Open or Stop Only
- Protects Door and Entryway
- For Exterior or Interior Doors
- Concealed and Surface Mounted
- Non-Handed
- ANSI 156.8 Grade 1



## Heavy-Duty 6 Series Multi-Function Concealed Mount Overhead Stops and Holders

- Concealed Slide Track in Top Door Rail

CAT. NO.	DOOR OPENING TYPE		FINISH
	OFFSET PIVOTS/HINGES	CENTER-HUNG PIVOTS	
<b>6246SS</b> <b>6246PB</b> <b>6246DU</b>	28-1/16" to 33" (713 to 838 mm)	30" to 36" (762 to 914 mm)	Satin Stainless Polished Brass Painted Dark Bronze
<b>6346SS</b> <b>6346PB</b> <b>6346DU</b>	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
<b>6446SS</b> <b>6446PB</b> <b>6446DU</b>	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
<b>6546SS</b> <b>6546PB</b> <b>6546DU</b>	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

Minimum order: 1 each. All Overhead Stops can be combined for quantity pricing.

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

- Multi-Function Slider for Field Selection of Hold Open, Friction Stay or Stop Only
- 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

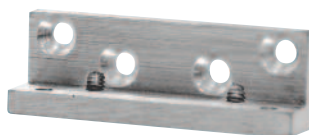


## Multi-Function 10 Series Surface Mount Overhead Stops and Holders

- Surface Mounted for New or Retrofit Installations

### 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
- Furnished With Fasteners for Both Wood or Metal Door and Frame
- Recommended for Medium Traffic, Medium Weight Doors



Optional Mounting Bracket

**CAT. NO.**  
**5258**

CAT. NO.	DOOR OPENING TYPE		FINISH
	OFFSET PIVOTS/HINGES	CENTER-HUNG PIVOTS	
<b>10346SS</b> <b>10346SA</b> <b>10346DU</b>	30-1/16" to 36" (764 to 914 mm)	32-1/16" to 38" (814 to 965 mm)	Satin Stainless Painted Aluminum Painted Dark Bronze
<b>10446SS</b> <b>10446SA</b> <b>10446DU</b>	36-1/16" to 42" (916 to 1067 mm)	38-1/16" to 45" (967 to 1143 mm)	Satin Stainless Painted Aluminum Painted Dark Bronze
<b>10546SS</b> <b>10546SA</b> <b>10546DU</b>	42-1/16" to 48" (1068 to 1219 mm)	45-1/16" to 48" (1145 to 1219 mm)	Satin Stainless Painted Aluminum Painted Dark Bronze

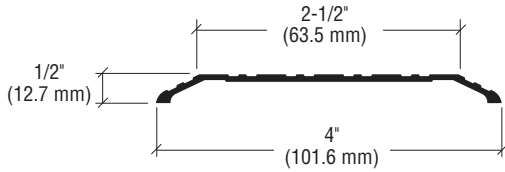
Minimum order: 1 each. All Overhead Stops can be combined for quantity pricing.

**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.



## CRL 4" Commercial Saddle Threshold

- Commonly Used With 4" Wide Storefront Tubing

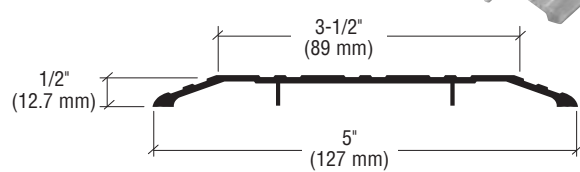


This 4" (101.6 mm) wide x 1/2" (12.7 mm) high Threshold comes in two finishes and three lengths.

ALUMINUM CAT. NO.	BRONZE CAT. NO.	LENGTH
TH014A36	TH014D36	36-1/2" (927 mm)
TH014A72	TH014D72	73" (1854 mm)
TH014A240	TH014D240	240" (6.10 m)

## CRL 5" Commercial Saddle Threshold

- Generally Used With 4-1/2" Wide Storefront Tubing



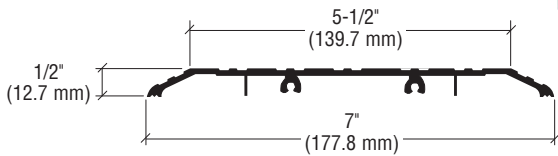
This 5" (127 mm) wide x 1/2" (12.7 mm) high Threshold comes in two finishes and three lengths.

ALUMINUM CAT. NO.	BRONZE CAT. NO.	LENGTH
TH015A36	TH015D36	36-1/2" (927 mm)
TH015A72	TH015D72	73" (1854 mm)
TH015A240	TH015D240	240" (6.10 m)

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing. Lengths longer than 108" (2.74 m) must ship common carrier.

## CRL 7" Commercial Saddle Threshold

- Typically Used in Applications Using Heavy-Duty Floor Closers

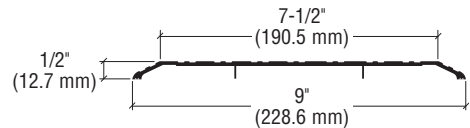


This 7" (177.8 mm) wide x 1/2" (12.7 mm) high Threshold comes in two finishes and three lengths.

ALUMINUM CAT. NO.	BRONZE CAT. NO.	LENGTH
TH017A36	TH017D36	36-1/2" (927 mm)
TH017A72	TH017D72	73" (1854 mm)
TH017A240	TH017D240	240" (6.10 m)

## 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 Threshold comes in two finishes and three lengths.

ALUMINUM CAT. NO.	BRONZE CAT. NO.	LENGTH
TH019A36	TH019D36	36-1/2" (927 mm)
TH019A72	TH019D72	73" (1854 mm)
TH019A185	TH019D185	185" (4.70 m)

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing. Lengths longer than 108" (2.74 m) must ship common carrier.

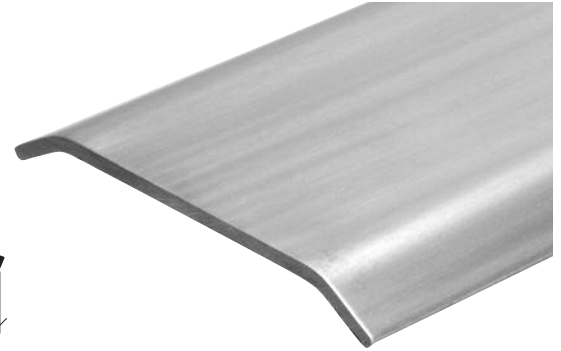
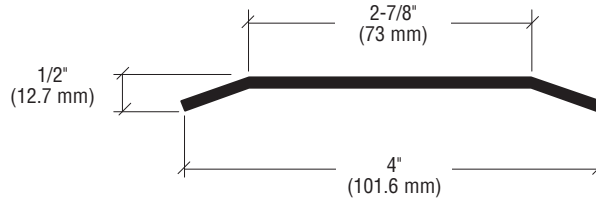
## CRL Custom Commercial Saddle Threshold Floor Closer Cover Plates

CRL custom fabricates Saddle Threshold 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](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Commercial Products.



## CRL 4" x 1/2" Stainless Steel Saddle Threshold

- **Stainless Steel for Corrosive Environments**



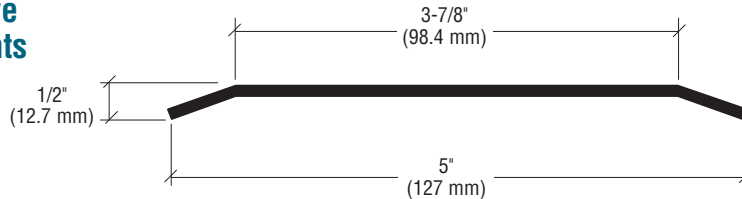
CRL Stainless Steel Saddle Thresholds are brake-press formed, solid #304 alloy stainless steel, not stainless steel "clad". Supplied with stainless steel screws for easy installation. They are especially useful in environments where corrosive agents or saltwater is affecting door hardware.

CAT. NO.	WIDTH	LENGTH
TH074SS36	4" (101.6 mm)	36-1/2" (927 mm)

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

## CRL 5" x 1/2" Stainless Steel Saddle Threshold

- **Stainless Steel for Corrosive Environments**



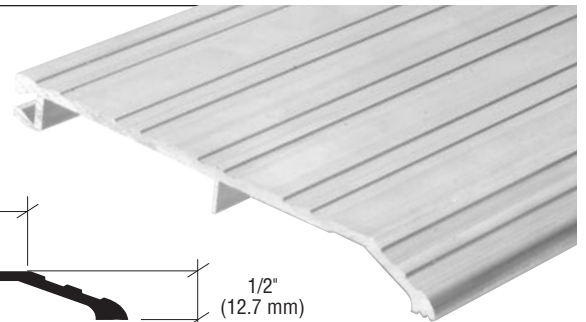
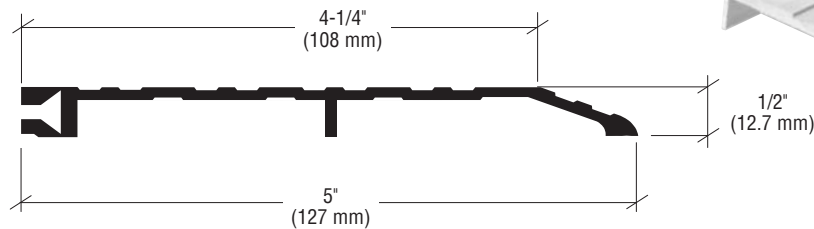
CRL Stainless Steel Saddle Thresholds are brake-press formed, solid #304 alloy stainless steel, not stainless steel "clad". Supplied with stainless steel screws for easy installation. They are especially useful in environments where corrosive agents or saltwater is affecting door hardware.

CAT. NO.	WIDTH	LENGTH
TH075SS36	5" (127 mm)	36-1/2" (927 mm)

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

## CRL 5" x 1/2" Aluminum Offset Saddle Threshold

- **Fire Rated**
- **Barrier Free**
- **Smoke Tested**
- **UL Listed**



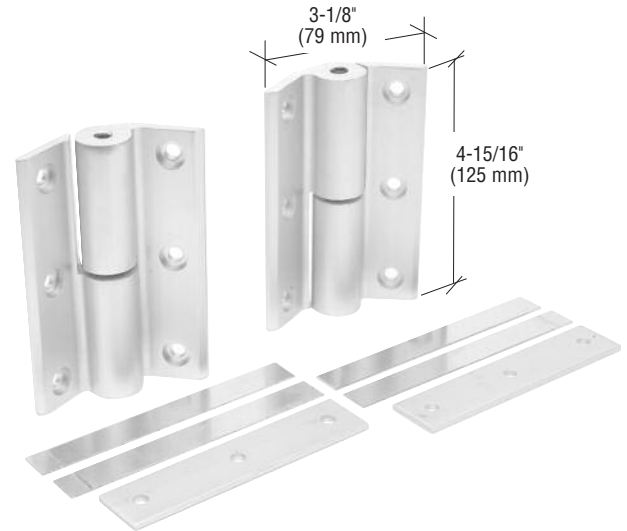
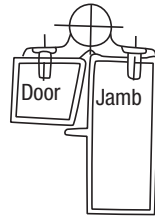
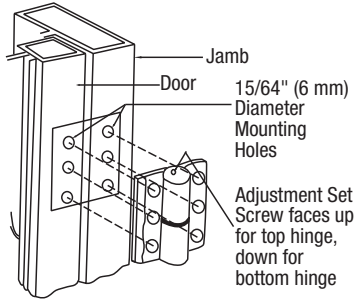
These CRL Offset Saddle Thresholds are extruded aluminum using 6063 and 6493 aluminum alloys. This Threshold meets ANSI/BHMA Standards, and is access compliant, fire rated, and UL Listed. Thresholds are furnished with screws for easy installation.

ALUMINUM CAT. NO.	BRONZE CAT. NO.	WIDTH	LENGTH
255A36	255D36	5" (127 mm)	36-1/2" (927 mm)
255A72	255D72	5" (127 mm)	73" (1854 mm)

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

## 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**



### 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
<b>DL1099A</b>	Satin Anodized
<b>DL1099DU</b>	Bronze Anodized

Minimum order: 1 pair. All Storefront Hinges can be combined for quantity pricing.

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.

- **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**



CAT. NO. MHT4

## CRL Reinforcement Backing Plate for Heavy Weight Butt Hinge Installations

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.

- **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**

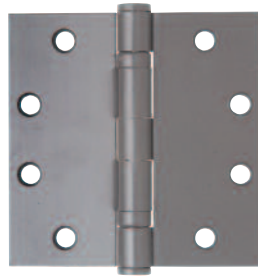


CAT. NO. MHA4



## CRL Standard Weight Ball Bearing Template Butt Hinges

- Full Mortise Hinges Ideal for Medium Weight, Average Service Doors
- Satin Chrome and Bronze Finishes Available
- Excellent for New or Replacement Installation



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.

### 4-1/2" X 4-1/2" (114 X 114 MM) HINGE

CAT. NO.	PIN TYPE	FINISH
BB10A	Standard	Satin Chrome
BB10BRZ	Standard	Bronze
BB15NRPA	Non-Removable	Satin Chrome
BB15NRPBRZ	Non-Removable	Bronze

Minimum order: 1 box. All Storefront Hinges can be combined for quantity pricing.

## CRL Heavy Weight Ball Bearing Template Butt Hinges

- Full Mortise Hinges Ideal for Heavy Weight, High Service Doors
- Excellent for New or Replacement Installation
- Satin Chrome and Bronze Finishes Available



These heavy weight ball bearing full mortise type Butt Hinges are intended for use with heavy weight doors, or doors receiving high frequency use. Quality construction (.180 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.

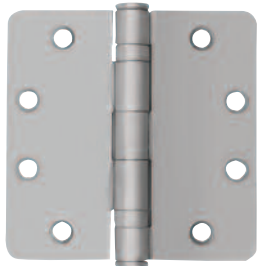
### 4-1/2" X 4-1/2" (114 X 114 MM) HINGE

CAT. NO.	PIN TYPE	FINISH
BB20A	Standard	Satin Chrome
BB20BRZ	Standard	Bronze
BB25NRPA	Non-Removable	Satin Chrome
BB25NRPBRZ	Non-Removable	Bronze

Minimum order: 1 box. All Storefront Hinges can be combined for quantity pricing.

## CRL Standard Weight 1/4" Radius Ball Bearing Template Butt Hinges

- Full Mortise, 1/4" Radius Hinges Ideal for Medium Weight, Average Service Doors
- Satin Chrome and Bronze Finishes for New or Replacement Installation



These ball bearing full mortise type Butt Hinges are ideal for medium weight 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 screws included.

### 4-1/2" X 4" (114 X 102 MM) HINGE

CAT. NO.	PIN TYPE	FINISH
BB30A	Standard	Satin Chrome
BB30BRZ	Standard	Bronze
BB35NRPA	Non-Removable	Satin Chrome
BB35NRPBRZ	Non-Removable	Bronze

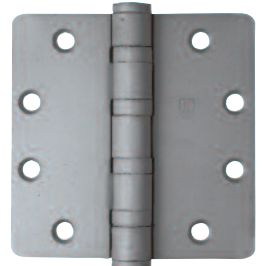
### 4-1/2" X 4-1/2" (114 X 114 MM) HINGE

CAT. NO.	PIN TYPE	FINISH
BB40A	Standard	Satin Chrome
BB40BRZ	Standard	Bronze
BB45NRPA	Non-Removable	Satin Chrome
BB45NRPBRZ	Non-Removable	Bronze

Minimum order: 1 box. All Storefront Hinges can be combined for quantity pricing.

## CRL Heavy Weight 1/4" Radius Ball Bearing Template Butt Hinges

- Full Mortise, 1/4" Radius Hinges Ideal for Heavy Weight, High Service Doors
- Five Knuckle With Four Ball Bearings
- Satin Chrome and Bronze Finishes



These heavy weight ball bearing full mortise type Butt Hinges are intended for use with heavy weight doors, or doors receiving high frequency use. Quality construction (.180 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 screws included.

### 4-1/2" X 4" (114 X 102 MM) HINGE

CAT. NO.	PIN TYPE	FINISH
BB50A	Standard	Satin Chrome
BB50BRZ	Standard	Bronze
BB55NRPA	Non-Removable	Satin Chrome
BB55NRPBRZ	Non-Removable	Bronze

### 4-1/2" X 4-1/2" (114 X 114 MM) HINGE

CAT. NO.	PIN TYPE	FINISH
BB60A	Standard	Satin Chrome
BB60BRZ	Standard	Bronze
BB65NRPA	Non-Removable	Satin Chrome
BB65NRPBRZ	Non-Removable	Bronze

Minimum order: 1 box. All Storefront Hinges can be combined for quantity pricing.

**NOTE:** For all Standard Weight Butt Hinges use our Cat. No. MHT4 Backup Plate designed to mount door hinges to storefront tubes. For all Heavy Weight Butt Hinges use our Cat. No. MHA4. Both are sold separately. See opposite page.

## CRL Continuous Hinges



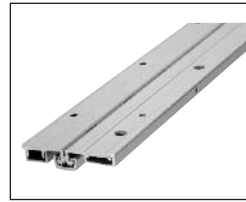
100 and 150 Series  
Full Surface Hinges



200 and 250 Series  
Full Surface Hinges



300 and 350 Series  
Concealed Leaf Hinges

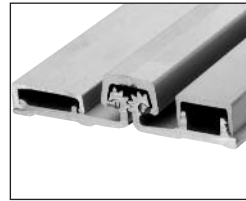


### FEATURES AND BENEFITS

All Hinges are anodized after machining is done to provide longer life and reduce corrosion.



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 life.



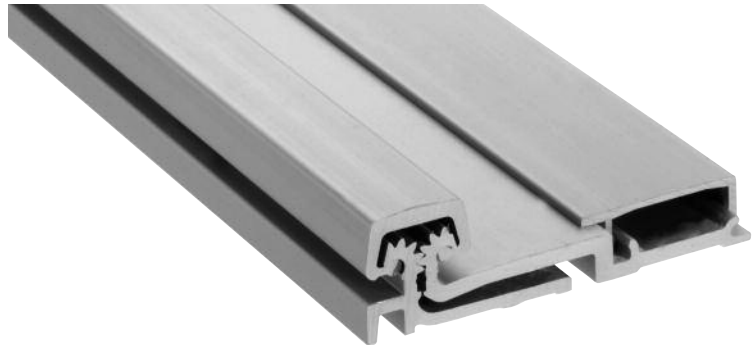
Our hole pattern is designed to speed up installations, but still provide the required attachment points needed to carry the weight.

- Continuous Hinges are Specified by Large Retail Stores and Schools Because of Their Long Service Life
- Three Models are Available in Standard or Heavy-Duty Models
- Two Finishes – Satin Anodized and Dark Bronze Anodized

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 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



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, and stocked in 83" (2.11 m) lengths. A pack of installation screws is included with each Hinge. Replacement Screws Packs are also available separately.

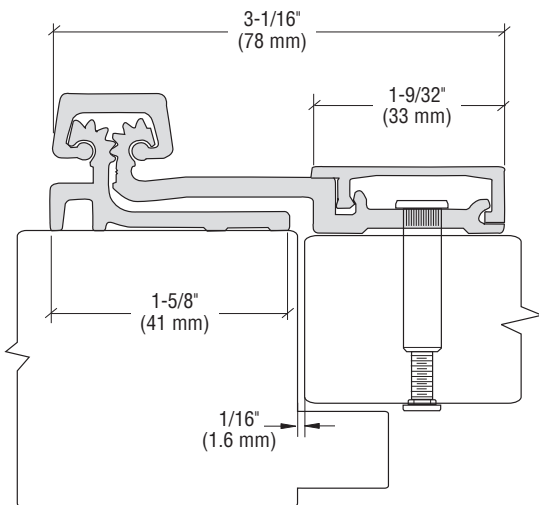
### STANDARD DUTY FULL SURFACE CONTINUOUS HINGES

HINGE CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
10083A	83" (2.11 m)	Satin Anodized	RSP100A
10083DU	83" (2.11 m)	Dark Bronze Anodized	RSP100DU

### HEAVY-DUTY FULL SURFACE CONTINUOUS HINGES

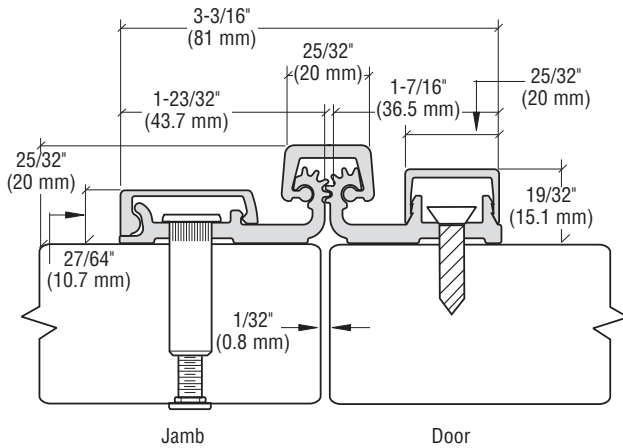
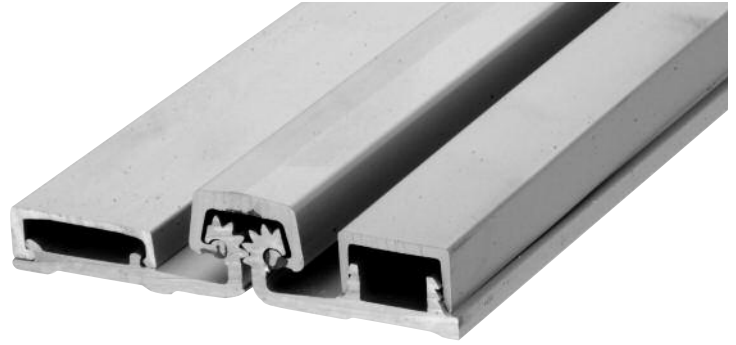
HINGE CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
15083A	83" (2.11 m)	Satin Anodized	RSP100A
15083DU	83" (2.11 m)	Dark Bronze Anodized	RSP100DU

Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing.



## 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)
- Available in Satin Anodized and Dark Bronze Anodized Finishes



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. They are available in satin anodized and dark bronze anodized finishes, and stocked in 83" (2.11 m) lengths. A pack of installation screws is included with each Hinge. Replacement Screw Packs are also available separately.

### STANDARD DUTY FULL SURFACE CONTINUOUS HINGES

HINGE CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
20083A	83" (2.11 m)	Satin Anodized	RSP200A
20083DU	83" (2.11 m)	Dark Bronze Anodized	RSP200DU

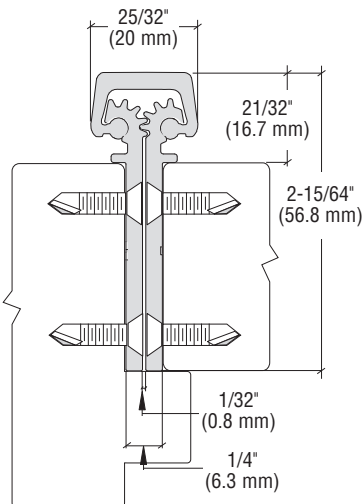
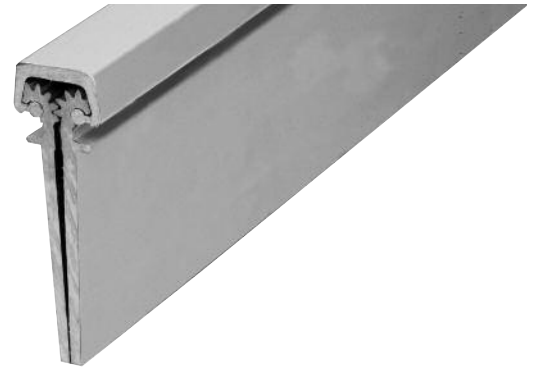
### HEAVY-DUTY FULL SURFACE CONTINUOUS HINGES

HINGE CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
25083A	83" (2.11 m)	Satin Anodized	RSP200A
25083DU	83" (2.11 m)	Dark Bronze Anodized	RSP200DU

Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing.

## CRL 300 and 350 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)
- Available in Satin Anodized and Dark Bronze Anodized Finishes



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. They are available in satin anodized and dark bronze anodized finishes, and stocked in 83" (2.11 m) lengths. A pack of installation screws is included with each Hinge. Replacement Screw Packs are also available separately.

### STANDARD DUTY CONCEALED LEAF CONTINUOUS HINGES

HINGE CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK 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 CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
35083A	83" (2.11 m)	Satin Anodized	RSP300A
35083DU	83" (2.11 m)	Dark Bronze Anodized	RSP300DU

Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing.



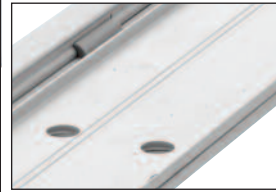
## CRL Roton Continuous Hinges

- Specified Everywhere Because of Their Long Service Life
- Available in Standard or Heavy-Duty Models

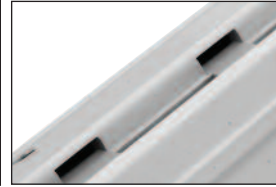
CRL Roton Hinges are made of high strength aluminum with a full-length rolling gear profile to align doors perfectly from top to bottom. Special self-lubricating polyacetal load bearing blocks deliver smooth, almost floating operation on even the heaviest doors. Hinges are completely secure because all 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.



### Features and Benefits



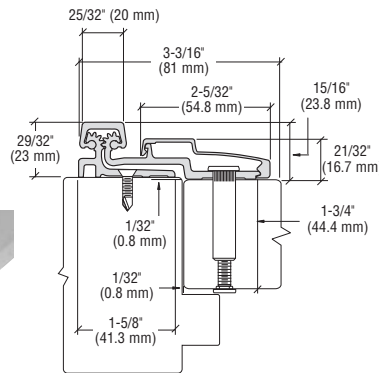
Our hole pattern is designed to speed up installations, but still provide the required attachment points needed to carry the weight.



Standard Duty Hinges have 16 load bearing blocks for doors up to 200 pounds (90 kg). Heavy-Duty Hinges have 32 load bearing blocks for doors up to 600 pounds (272 kg) if attached with Riv-Nuts®

## 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)



### STANDARD DUTY FULL SURFACE CONTINUOUS HINGES

HINGE CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
21083A	83" (2.11 m)	Satin Anodized	26469SA
21083DU	83" (2.11 m)	Dark Bronze Anodized	29815DU
21095A	95" (2.41 m)	Satin Anodized	26469SA
21095DU	95" (2.41 m)	Dark Bronze Anodized	29815DU

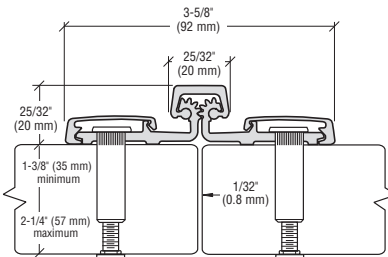
### HEAVY-DUTY FULL SURFACE CONTINUOUS HINGES

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 each. All CRL Continuous Hinges can be combined for quantity pricing.

## 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)



### STANDARD DUTY FULL SURFACE CONTINUOUS HINGES

HINGE CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
05783A	83" (2.11 m)	Satin Anodized	94875SA
05783DU	83" (2.11 m)	Dark Bronze Anodized	32357DU

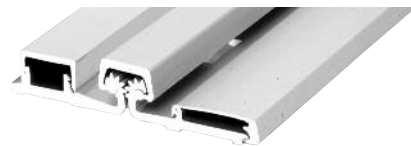
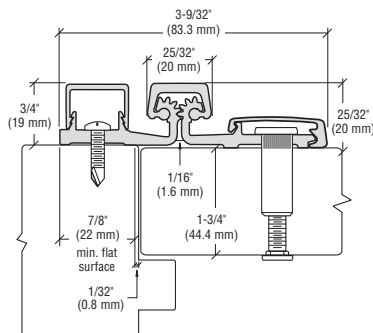
### HEAVY-DUTY FULL SURFACE CONTINUOUS HINGES

HINGE CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
057HD83A	83" (2.11 m)	Satin Anodized	94875SA
057HD83DU	83" (2.11 m)	Dark Bronze Anodized	32357DU

Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing.

## CRL Roton 157HD Series Full Surface Frame Face Continuous Hinges

- Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)



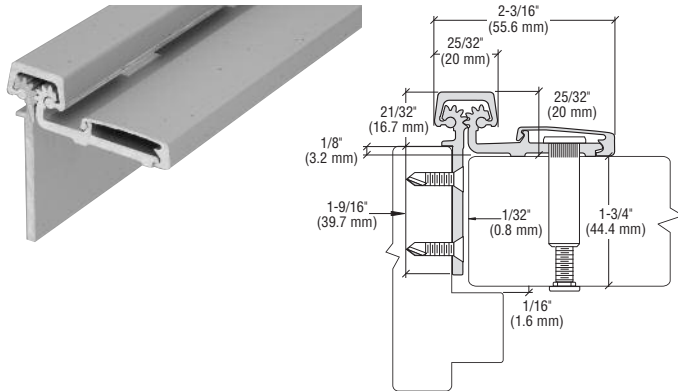
### HEAVY-DUTY FULL SURFACE CONTINUOUS HINGES

HINGE CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
157HD83A	83" (2.11 m)	Satin Anodized	64611SA
157HD83DU	83" (2.11 m)	Dark Bronze Anodized	31740DU

Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing.

## CRL Roton 053 Series Half Surface Continuous Hinges

- Standard Duty Hinges for Doors Weighing Up to 200 Pounds (90 kg)



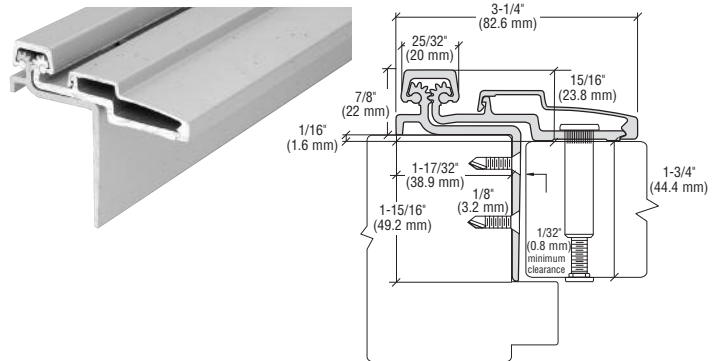
### STANDARD DUTY HALF SURFACE CONTINUOUS HINGES

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

Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing.

## CRL Roton 211HD Series Half Surface/Frame Leaf Wrap-Around Continuous Hinges

- Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)



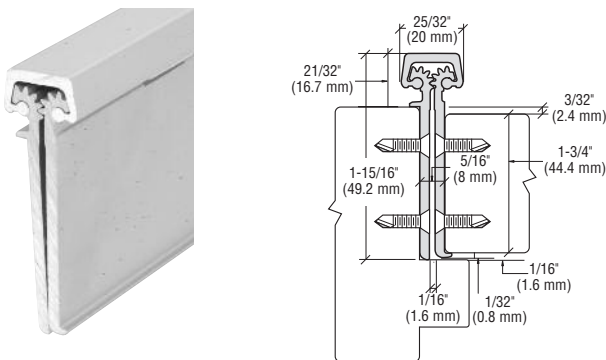
### HEAVY-DUTY HALF SURFACE/FRAME LEAF CONTINUOUS HINGES

HINGE CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
211HD83A	83" (2.11 m)	Satin Anodized	22701SA
211HD83DU	83" (2.11 m)	Dark Bronze Anodized	26245DU

Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing.

## 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 CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
22483A	83" (2.11 m)	Satin Anodized	61362SA
22483DU	83" (2.11 m)	Dark Bronze Anodized	61815DU

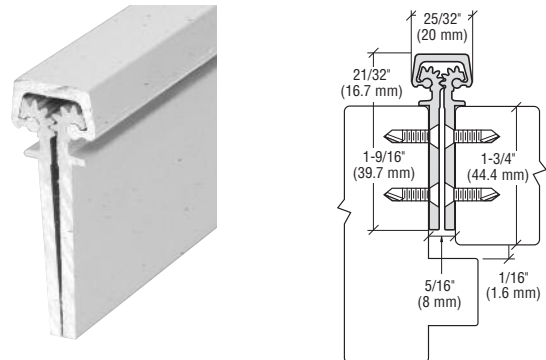
### HEAVY-DUTY CONCEALED LEAF CONTINUOUS HINGES

HINGE CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW 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.

## 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	83" (2.11 m)	Satin Anodized	61362SA
11283DU	83" (2.11 m)	Dark Bronze Anodized	61815DU

### HEAVY-DUTY CONCEALED LEAF CONTINUOUS HINGES

HINGE CAT. NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK CAT. NO.
112HD83A	83" (2.11 m)	Satin Anodized	61362SA
112HD83DU	83" (2.11 m)	Dark Bronze Anodized	61815DU

Minimum order: 1 each. All CRL Continuous Hinges can be combined for quantity pricing.

## 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)

### • 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.

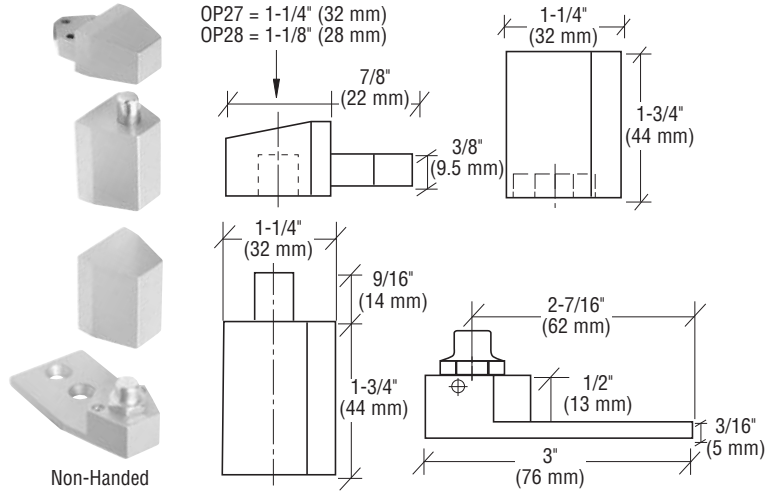
### OP27 and OP28 Series

- 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 set. All Pivot Sets can be combined for quantity pricing.



Non-Handed

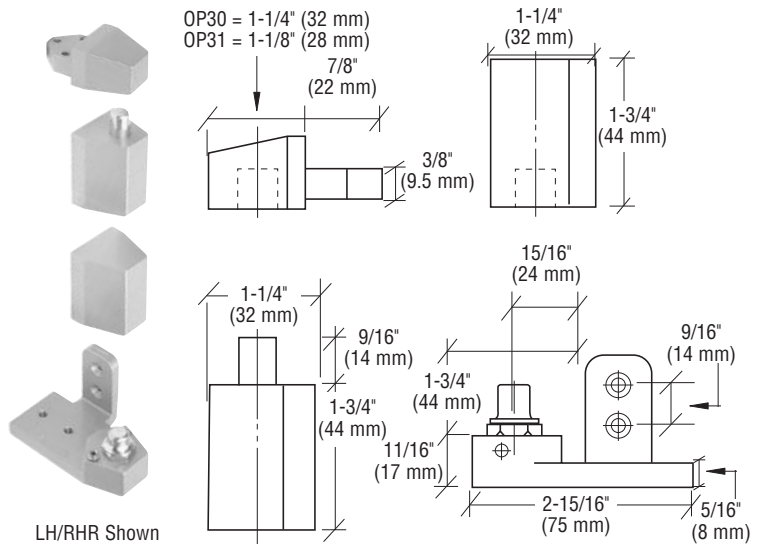
### OP30 and OP31 Series

- 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.

CAT. NO.	HANDING	APPLICATION	FINISH
OP30LHA	Left Hand	Flush with Frame Face	Aluminum
OP30LHDU	Left Hand	Flush with Frame Face	Dark Bronze
OP30RHA	Right Hand	Flush with Frame Face	Aluminum
OP30RHDU	Right Hand	Flush with Frame Face	Dark Bronze
OP31LHA	Left Hand	Recessed 1/8" (3.2 mm)	Aluminum
OP31LHDU	Left Hand	Recessed 1/8" (3.2 mm)	Dark Bronze
OP31RHA	Right Hand	Recessed 1/8" (3.2 mm)	Aluminum
OP31RHDU	Right Hand	Recessed 1/8" (3.2 mm)	Dark Bronze

Minimum order: 1 set. All Pivot Sets can be combined for quantity pricing.



LH/RHR Shown

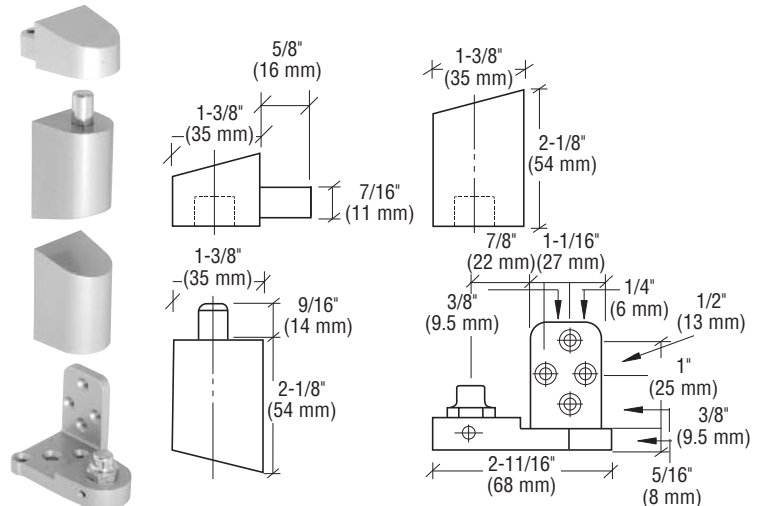
### OP34 Series

- Handed - Not Reversible
- Used on: U.S. Aluminum

Left or right hand Pivot Sets are available in satin aluminum and dark bronze finishes. One set per package.

CAT. NO.	HANDING	APPLICATION	FINISH
OP34LHA	Left Hand	Flush with Frame Face	Aluminum
OP34LHDU	Left Hand	Flush with Frame Face	Dark Bronze
OP34RHA	Right Hand	Flush with Frame Face	Aluminum
OP34RHDU	Right Hand	Flush with Frame Face	Dark Bronze

Minimum order: 1 set. All Pivot Sets can be combined for quantity pricing. For matching Intermediate Pivot Sets, see page xxx.





## CRL 3/4" Offset Pivot Sets

### OP40 Series

- Handed - Not Reversible
- Used on: Amarlite, Arch Aluminum, Rebco

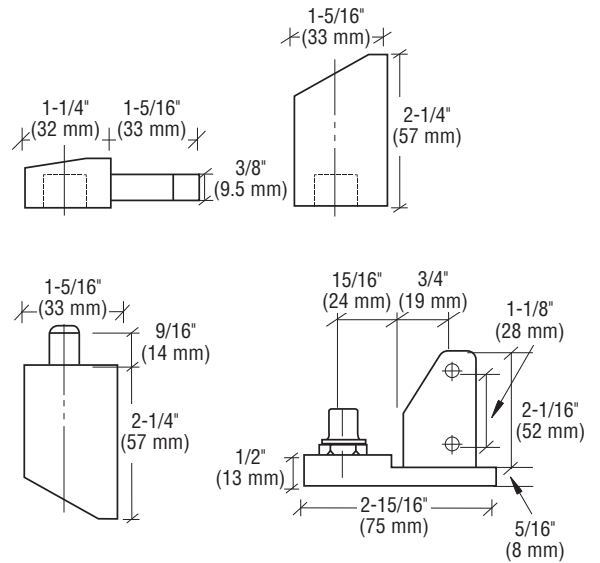
Left or right hand Pivot Sets are available in satin aluminum and dark bronze finishes. One set per package.

CAT. NO.	HANDING	APPLICATION	FINISH
OP40LHA	Left Hand	Recessed 1/8" (3.2 mm)	Aluminum
OP40LH DU	Left Hand	Recessed 1/8" (3.2 mm)	Dark Bronze
OP40RHA	Right Hand	Recessed 1/8" (3.2 mm)	Aluminum
OP40RH DU	Right Hand	Recessed 1/8" (3.2 mm)	Dark Bronze

Minimum order: 1 set. All Pivot Sets can be combined for quantity pricing. For matching Intermediate Pivot Sets, see page Z704.



LH/RHR Shown



### OP41 Series

- Handed - Not Reversible
- Used on: Pittco, PPG

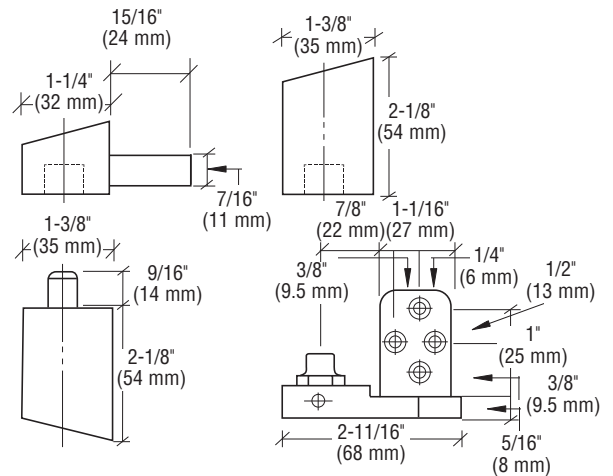
Left or right hand Pivot Sets are available in satin aluminum and dark bronze finishes. One set per package.

CAT. NO.	HANDING	APPLICATION	FINISH
OP41LHA	Left Hand	Recessed 3/32" (2.4 mm)	Aluminum
OP41LH DU	Left Hand	Recessed 3/32" (2.4 mm)	Dark Bronze
OP41RHA	Right Hand	Recessed 3/32" (2.4 mm)	Aluminum
OP41RH DU	Right Hand	Recessed 3/32" (2.4 mm)	Dark Bronze

Minimum order: 1 set. All Pivot Sets can be combined for quantity pricing. For matching Intermediate Pivot Sets, see page Z704.



LH/RHR Shown



### OP50 Series

- Handed - Not Reversible
- Used on: Arch Aluminum

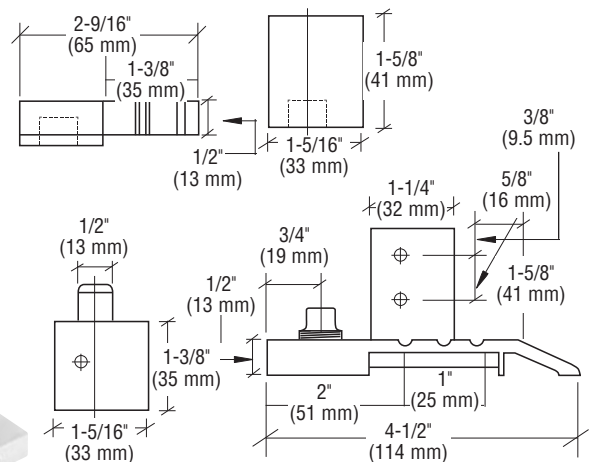
Left or right hand Pivot Sets are available in satin aluminum and dark bronze finishes. One set per package.

CAT. NO.	HANDING	APPLICATION	FINISH
OP50LHA	Left Hand	Recessed 1/8" (3.2 mm)	Aluminum
OP50LH DU	Left Hand	Recessed 1/8" (3.2 mm)	Dark Bronze
OP50RHA	Right Hand	Recessed 1/8" (3.2 mm)	Aluminum
OP50RH DU	Right Hand	Recessed 1/8" (3.2 mm)	Dark Bronze

Minimum order: 1 set. All Pivot Sets can be combined for quantity pricing. For matching Intermediate Pivot Sets, see page Z704.



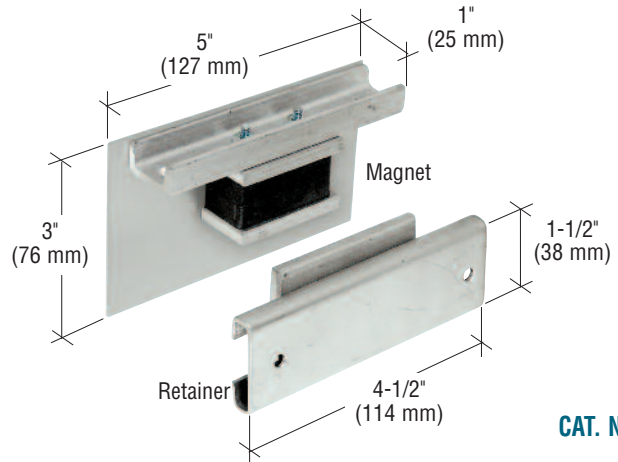
LH/RHR Shown



## 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.



CAT. NO. M50

## 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

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.

**new**



CAT. NO.	FINISH
998A	Sprayed Aluminum
998BRZ	Sprayed Dark Bronze

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

### SPECIFICATIONS:

**Input:** Selective 12V DC, 24V AC/DC, 120V AC  
**Current Draw:** .040A @ 12V DC, .020A @ 24V AC/DC, .020A @ 120V AC

### INDOOR USE ONLY:

**Dimensions:** Magnet = 4-5/8" x 2-3/4" x 1"  
 (118 x 70 x 25 mm)

## CRL E-Z Tone Door Chime

- No Electricity or Batteries Needed
- Easy Do-It-Yourself Installation



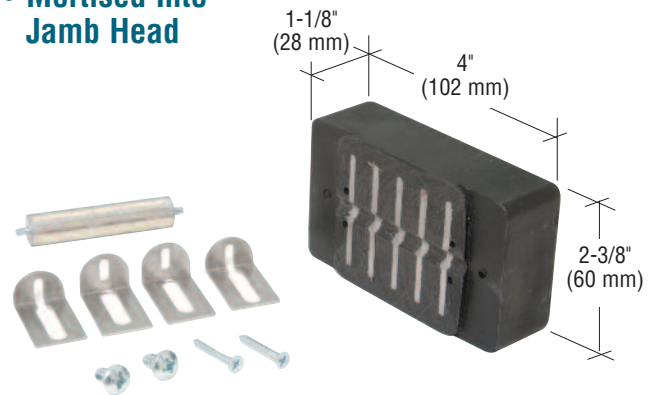
The E-Z Tone Door Chime can be easily installed on all types of doors and jambs. When the door is opened, a magnetic striker hits the chime bar and produces a pleasant, audible tone. Complete with "L" stop and installation instructions.

CAT. NO.	FINISH
TDK13GRY	Light Gray
TDK13BRZ	Bronze

Minimum order: 1 each.

## 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.

CAT. NO. 115445

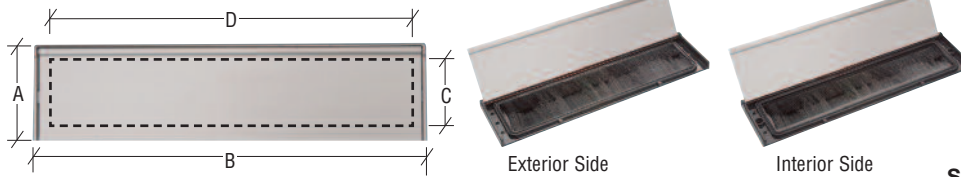
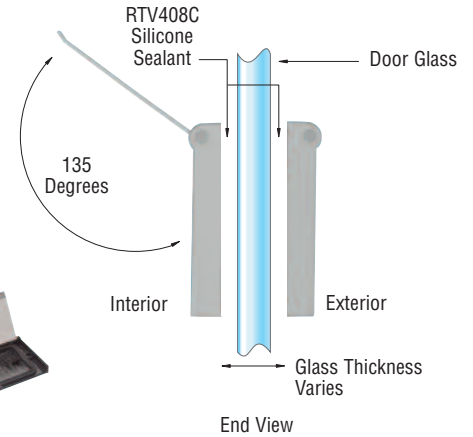
## CRL No-Draft Mail Slots

**new**

- 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.



CAT. NO.	FINISH	OVERALL SIZE (A x B)	OPENING SIZE (C x D)
<b>NDMS13A</b>	Satin Anodized	3" x 11-1/2" (76 x 292 mm)	1-7/16" x 9-3/4" (37 x 248 mm)
<b>NDMS13BL</b>	Black Anodized	3" x 11-1/2" (76 x 292 mm)	1-7/16" x 9-3/4" (37 x 248 mm)

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

### SPECIFICATIONS:

**Material:** Extruded Aluminum  
**Finishes:** Satin Anodized or Black Anodized  
**Glass Fabrication:** Cut-Out Required  
**Template and Instructions Included**  
 Glass cut-out available at [crlaurence.com](http://crlaurence.com)

## 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

U.S. Patent D480, 200

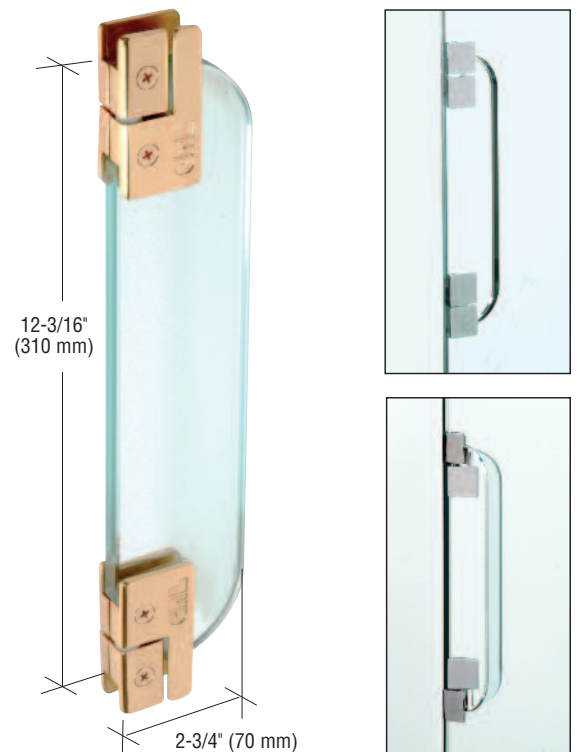
Another CRL innovation is our brass constructed Frameless Mail Slot for commercial 'all-glass' entrance doors. This easy to install unit features a 1/2" (12 mm) glass flap with a pair of spring hinges that will fit 1/2" (12 mm) thick glass. It's a beautiful alternative to the traditional aluminum mail slot. Available in four architectural finishes to complement our Door Rail and Patch Hardware. Custom finishes are also available.

CAT. NO.	FINISH
<b>FMS500BN</b>	Brushed Nickel
<b>FMS500BR</b>	Lacquered Brass
<b>FMS500CH</b>	Polished Chrome
<b>FMS500SC</b>	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**





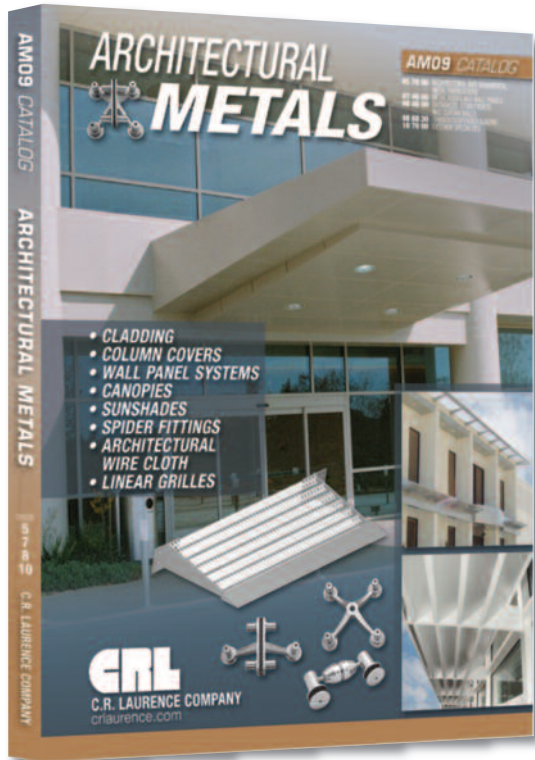
## CRL Architectural and Ornamental Metals Catalog

- Clad Entrances and Storefronts
- Canopies and Sunshades
- Metal Wall Panels
- Column Covers (Cladding)
- Ornamental Hand and Guard Rails
- Brake Shaped Metals

C.R. Laurence is a manufacturer of Architectural and Ornamental Metal Systems for commercial and institutional buildings. To give you a thorough review of the selection we offer our AM09 Architectural Metals Catalog.

In this catalog you will find an extensive selection of architectural systems and related hardware for the construction of beautiful, code compliant building façades, including our very popular 'All-Glass' Systems, with our impressive line of stock Spider Fittings. We've expanded our complete line of Glass Awnings, from Tension Rods to Universal Brackets, simplifying your hardware selection process for wall mount, storefront mount, and curtainwall mount applications.

We have also included our newest product lines, CRL Wall Panel Systems, Ceiling Systems, Column Cladding, and Perforated Panel Systems, as well as our rapidly growing line of Sunshades and Canopies. It's a complete directory to our Architectural Metals line.



CAT. NO. AM09





## CRL Custom Cladding and Brake Metal

- Custom Brake Shaped Aluminum or Architectural Metals
- Custom Metal Column Covers
- Custom Metal Panel Systems
- Custom Ornamental Metals
- Custom Canopies
- Custom Clad Entrance and Storefront Systems

C. R. Laurence Company fabricates custom metals that are both functionally correct and aesthetically pleasing to the eye. We can be involved in all phases of your project, from initial design to delivery, with every step controlled by processes that meet strict ISO standards. Our 270,000 square foot Los Angeles, California manufacturing facility has a staff of over 300 that incorporates fine craftsmanship and experience in the design, fabrication, and finishing of architectural metals.

Some of our work is installed in the finest hotels and retail buildings in North America. You can see examples of it in many commercial and entertainment venues. We're able to be involved in so many projects because we have the versatility to supply what you want, and to do so in a cost-efficient and timely manner.

Custom architectural finishes and textures are always an option, so you won't have to be limited to just a few. We specialize in meeting your requirements.

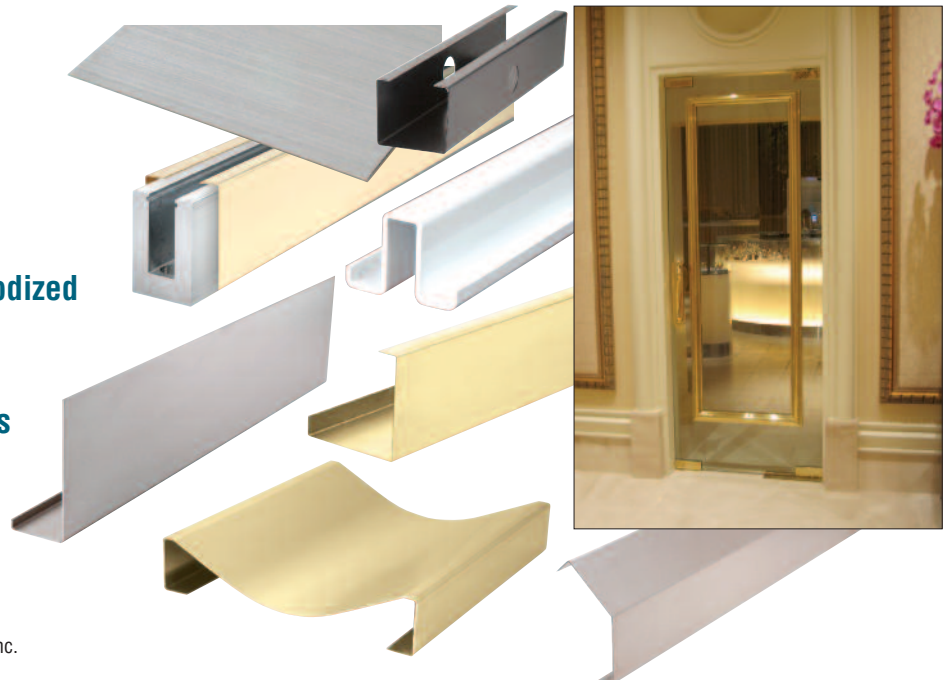
For more information contact CRL Architectural Metals Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7770. You can also send e-mail from the [crlaurence.com](http://crlaurence.com) home page. Click on Contact Us, and then click on Technical Sales for Architectural Metals Products.

## Available Finishes

- US-32 #8 Polished Stainless Steel
- US-32D #4 Satin Stainless Steel
- US-3 Polished Brass
- US-4 Satin Brass
- US-9 464 Polished Bronze
- US-10 464 Satin Bronze
- US-10B Oil Rubbed Bronze\*
- US-28 Satin Aluminum Clear Anodized
- Dark Bronze Anodized
- Custom Powder Coated Finishes
- Custom KYNAR® Painted Finishes
- Custom Plated Finishes
- Custom Brushed Finishes

\*NOTE: Finish 613 (US-10B) is unstable and will vary when applied to different alloys or forms of base metal, and to products of different manufacturers.

KYNAR® is a registered trademark of Autofina Chemicals, Inc.

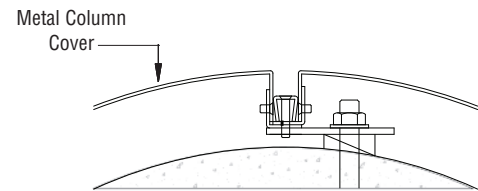
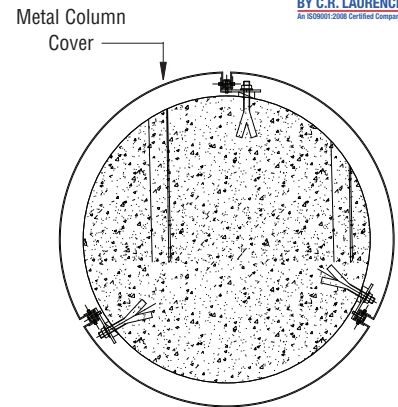


CRL's High Standards Produce the Results You Need to Achieve Excellence

## CRL Column Covers (Cladding)



**new**

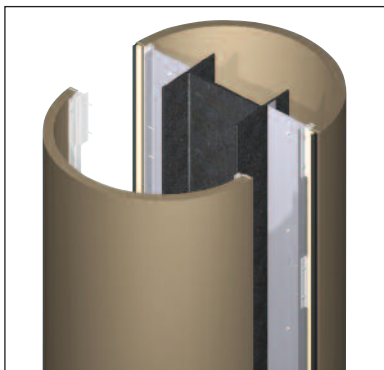


- **Versatile Wet or Dry Systems That Include All Bracketing, Angles, Trims, and Clips**
- **Expertly Manufactured to Your Specifications in Our Los Angeles Facility**
- **High Quality Craftsmanship and the Latest Technology Available**
- **Available in Stainless Steel, Aluminum, Bronze, Brass, Aluminum Composite, and Metal Composite**

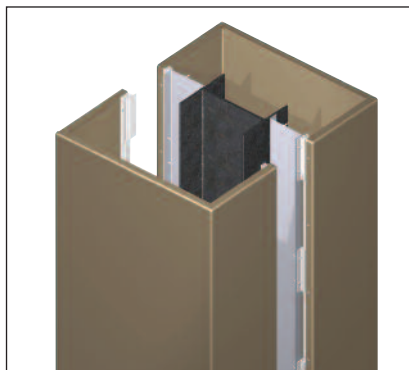
CRL Panel Systems provide a variety of options for exciting new design expression. Flexible in both available sizes and shapes, our panels are ideal for use as column cover cladding, for incorporation into a curtainwall system, or for ceiling and wall panels. All are custom designed and manufactured at our Los Angeles manufacturing facility using the latest technology and machinery to produce an elegant and efficient panel system to meet your needs.

For additional information on Column Covers 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. 7770. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Architectural Metals Products.

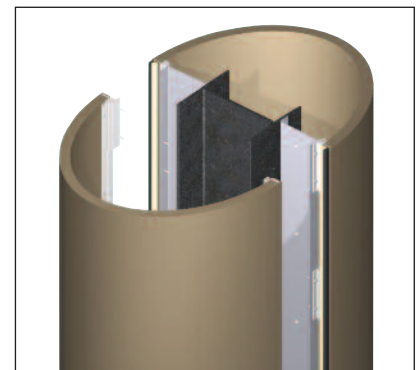
**Standard Configurations of Column Covers Can Be Fabricated Up to 156" (3.9 m) in Length**



Round



Square



Elliptical

- **Three Attaching Systems: Standard Wet Seal, Deluxe Wet Seal, and Premier Dry Seal**
- **Shop Drawings and Engineering Assistance as Required on the Project – It's Part of Our Complete Package**



## CRL Wall Panel Cladding Systems

**new**

- Incredibly Strong, Lightweight Material
- Requires Less Complex Sub-Structuring
- Colors are Strongest, Brightest, and Longest Lasting on the Market Today



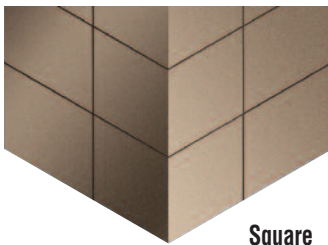
- Can Be Curved and Bent Into Complex Shapes
- Ideal for Exterior Canopies, Entryways, Soffits, Fascia Bands, Building Cladding, Modular Building Exteriors, Column Covers, and Signage

We are proud to introduce our new Wall Panel Systems with four easy mounting options to choose from. We fabricate using ALPOLIC® Aluminum and Metal Composite Materials with the highest levels of product performance and reliability. These panels are extremely strong, offering the rigidity of heavy gauge sheet metal in a lightweight material with superior flatness, vibration dampening, durability, and ease of maintenance. Our panels use LUMIFLON® resin which are the strongest, brightest, and longest lasting of any aluminum composite material paint finishes on the market today.

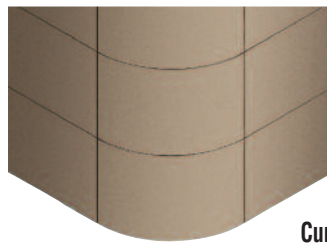
Office buildings, sports venues, theaters, healthcare facilities, retail chains, restaurants, auto dealerships and more are using Wall Panel Systems on both the exterior and interior to create a distinctive image inspired by designers and architects to reach new heights in futuristic designs. Whether you're working on a new building or renovating an existing one, let our knowledgeable Technical Staff assist you with the right Wall Panel System. 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. 7770. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Architectural Metals Products.



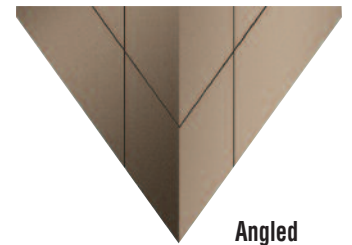
### Available to Accommodate Many Configurations



Square



Curved



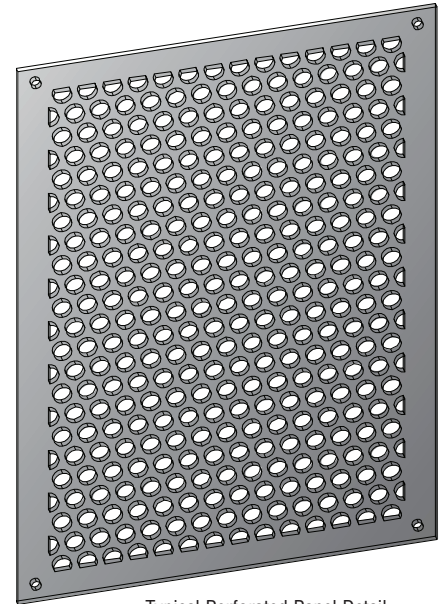
Angled



## CRL Perforated Panel Systems

- Sun Control Systems Available in Aluminum and Stainless Steel
- Different Patterns and Perforation Diameters Can Be Designed to Suit Your Needs
- A Cost-Efficient and Attractive Building Addition

**new**



Typical Perforated Panel Detail

CRL Perforated Panel Systems provide a unique look to any modern edifice. Tastefully designed and skillfully manufactured at CRL's own Los Angeles facility, these Perforated Panels add privacy, and can also act as a sunshade to reduce interior heat.

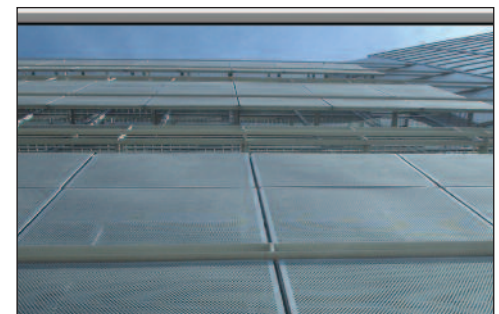
Strategically placed panels can give an older building a newer, more modern look, while at the same time serving to increase the efficiency of cooling systems. They are available in any number of finishes and perforation patterns, and can be retrofit to the building without major structural reconfiguration. CRL engineers will assist with design and installation plans to make your project a cost-efficient and attractive building addition.

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. 7770. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Architectural Metals Products.

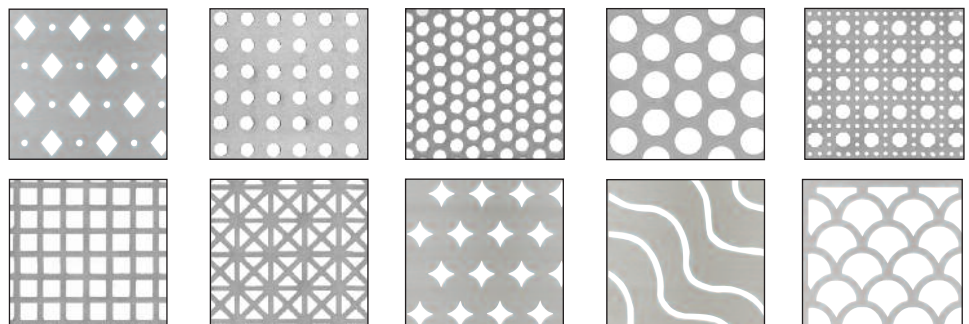


### Finishes Include

- Brushed Stainless
- Polished Stainless
- Non-Directional
- Custom Paint



CRL Perforated Panels are available in a variety of thicknesses in Steel, Galvanized, Stainless Steel, and Aluminum. Panel finishes of mill, powder paint, and KYNAR® cover almost any color selection. Choose from standard stock sheets or we can custom fabricate panels using our CNC Laser and Waterjet Cutters.



KYNAR® is a registered trademark of Autofina Chemicals, Inc.



**C.R. LAURENCE COMPANY**

2734 |

[crlaurence.ca](http://crlaurence.ca)

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[crlaurence.de](http://crlaurence.de)

[crlaurence.com](http://crlaurence.com)



## CRL Architectural Wire Cloth Systems

- For Decorative Interior or Exterior Designs
- Typically Used for Façades, Ceilings, Wall Paneling, and Railing Infills
- Provides for Sound Absorption and Sun Protection
- Tensioning Systems Available

**new**

CRL's Architectural Wire Cloth can completely transform a building's façade. The trend of using more glass in buildings requires effective protection against the sun and its intense rays. CRL's Wire Cloth can be installed to filter out harmful sun rays, while at the same time creating a façade with character.

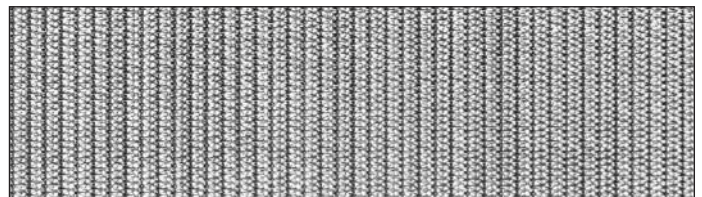
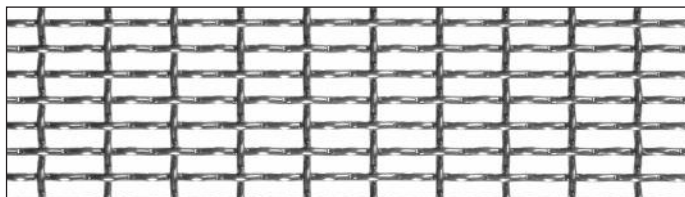
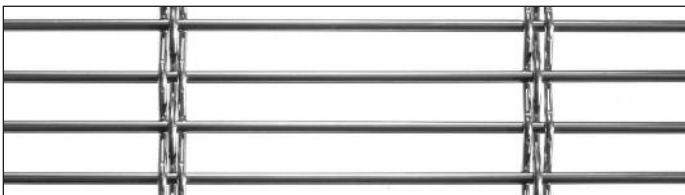
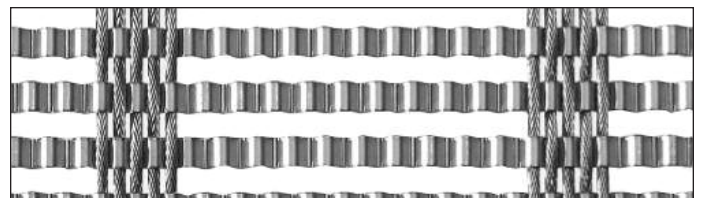
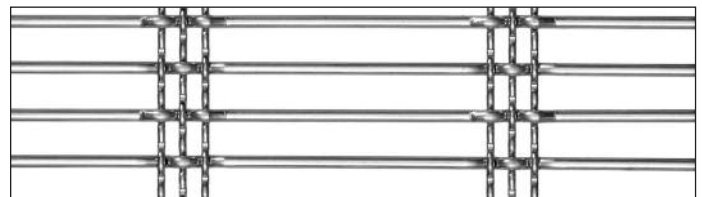
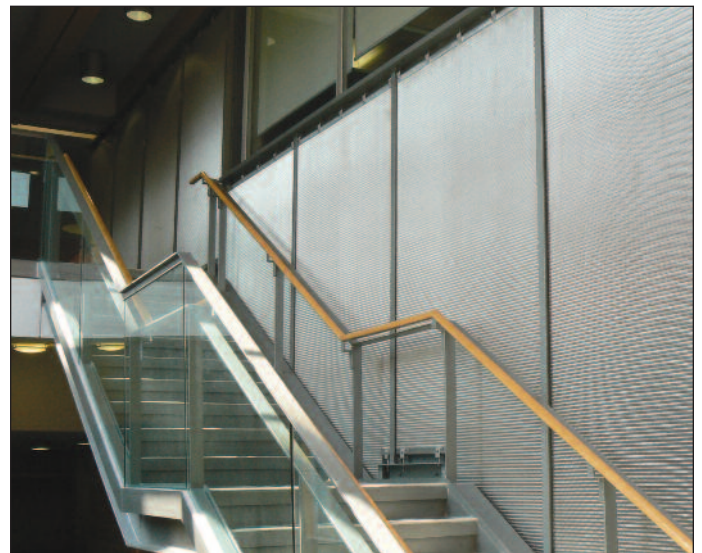
CRL's Wire Cloth elements are generally maintenance-free, so no special cleaning is required. For exterior applications the preferred material is a high quality stainless steel with molybdenum which offers great corrosion resistance. Tensioning systems with edge detail may be incorporated to CRL's Architectural Wire Cloth to ensure that the cloth remains taut.

Architectural Wire Cloth is available in several meshes to cover a variety of applications. Differing visual effects are achieved in combination with mesh type and lighting characteristics in the surrounding environment.

One benefit of using Wire Cloth on the interior of a building is that it is a durable, non-flammable material that meets fire protection codes. Perfect for use as ceiling and as decorative wall panels. When used in conjunction with state-of-the-art acoustic fleece Architectural Wire Cloth offers excellent sound adsorbing qualities. The acoustic material is hidden behind the stainless steel mesh creating a modern and artistic atmosphere.

CRL offers assistance with design, structural requirements, and installation details for all Architectural Wire Cloth Systems. For more information please contact CRL's Architectural and Ornamental Metals Division at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7770. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Architectural Metals Products.

- Unlimited Design Capabilities Create a Brilliant, Sophisticated Décor
- Stainless Steel Material Exhibits Outstanding Weatherability





## CRL Sunshade and Canopy Systems

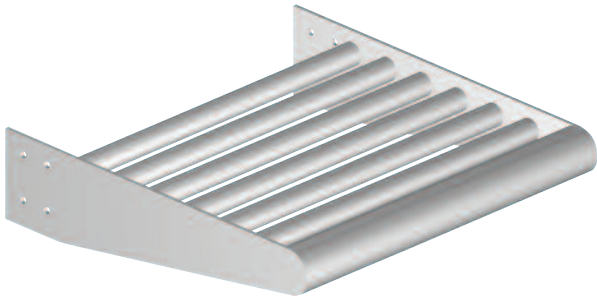
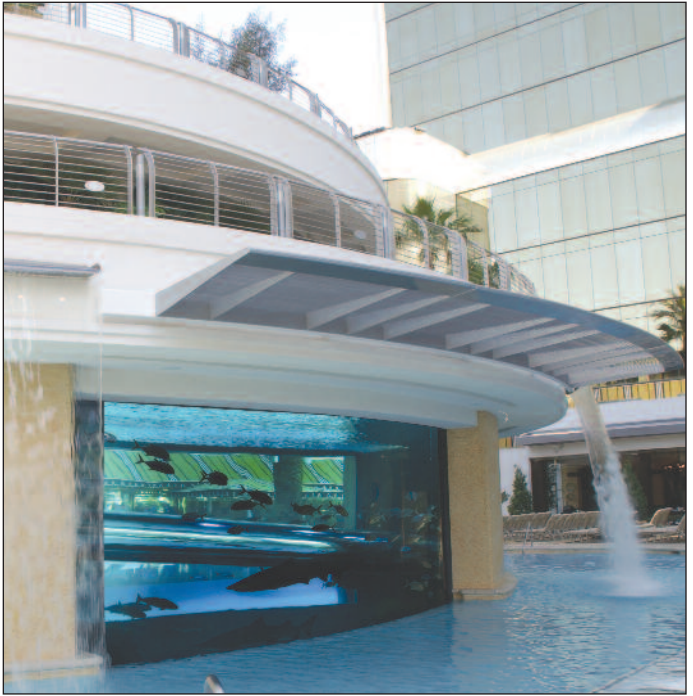
- Completely Fabricated Sunshade Systems
- Custom Sunshade Component Parts
- Aluminum and Steel Canopies
- Practical Design for Minimal Field Labor



An element of sophistication and modern design, CRL Sunshades and Canopies can transform an indistinct building into a space of beauty and expression.

Each system is built to specifications in our Los Angeles facility under strict standards that have earned CRL many prestigious awards for manufacturing excellence. CRL engineers will work with you to create an elegant and functional Sunshade or Canopy System that is sure to impress.

For additional information, contact CRL Architectural and Ornamental Metals Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7770. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Architectural Metals Products.





## CRL Custom Entrances



- Your Ideas Become Reality With Custom Fabrication by CRL
- Engineers Available for Testing, Shop Drawings, and Production Support
- State-of-the-Art Manufacturing Offers Short Lead Times

It starts with your idea, then CRL turns it into reality. CRL Engineers can make just about any Custom Entrance you might imagine. Just send your specifications or architectural drawings to CRL's Architectural and Ornamental Metals Technical Sales Staff and they will assist you with your Custom Entrance project. Our Technical Sales Staff will address feasibility, safety concerns, and possible alternate solutions in order to prepare a fair and accurate job quote.

CRL's Rapid Customization Program offers the shortest possible lead times in the industry from sketch, to quote, to fabrication, then on to delivery. This is done several ways, and an important factor is keeping the entire process "in-house". Allowing CRL Manufacturing to control such processes as drafting, modeling, raw material procurement, cutting optimization, high-speed fabrication, finishing, powder coating, batch painting, packing, and shipping all makes for efficient and speedy delivery of your Custom Entrances.



## Other Custom Metalwork We Can Offer You

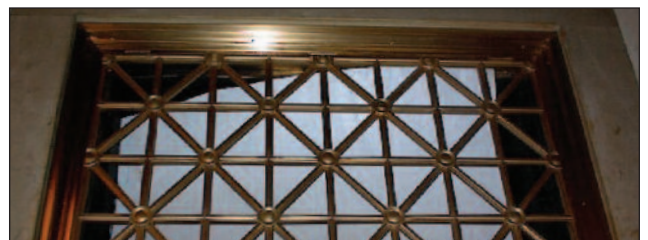
No matter how difficult the project, we can offer a solution that is sure to meet your approval. We are experts in the design and fabrication of custom metalwork. Let us quote your custom metalwork requirements. You'll find CRL to be both competent and competitive.



Custom Canopy Panels



Perforated Aluminum Light Covers



Custom Cast Grilles



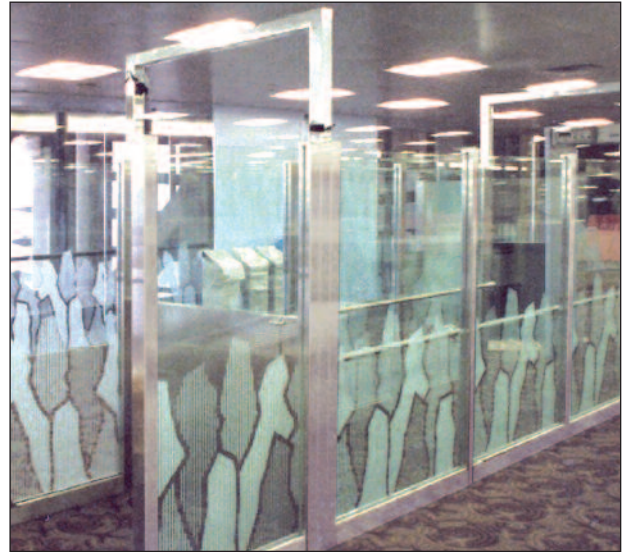
## CRL Security Check Point Barrier Systems

- Systems for Interior or Exterior Commercial or Institutional Applications in Heights Up to 72" (1829 mm)
- Surface Mount or Core Mount Applications Using 1/2" (12 mm) Tempered Glazing
- Many Architectural Finishes to Choose From
- Custom Powder Coated Finishes Also Available
- Designed to Work With Many Different Types of Glazing

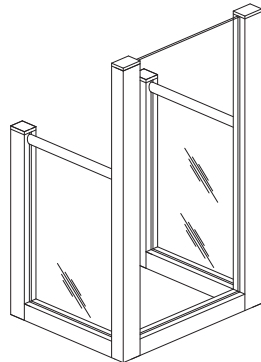
CRL can custom design Security Check Point Barrier Systems that are ideal for airport terminals, conventions centers, hotels, schools, and many other areas that have security concerns.

Barriers are typically fabricated using a combination of our Heavy Glass Aluminum Base Shoe and rectangular Aluminum Posts that can be clad in selected architectural finishes, or powder coated in a variety of custom colors that can adapt to a wide variety of conditions.

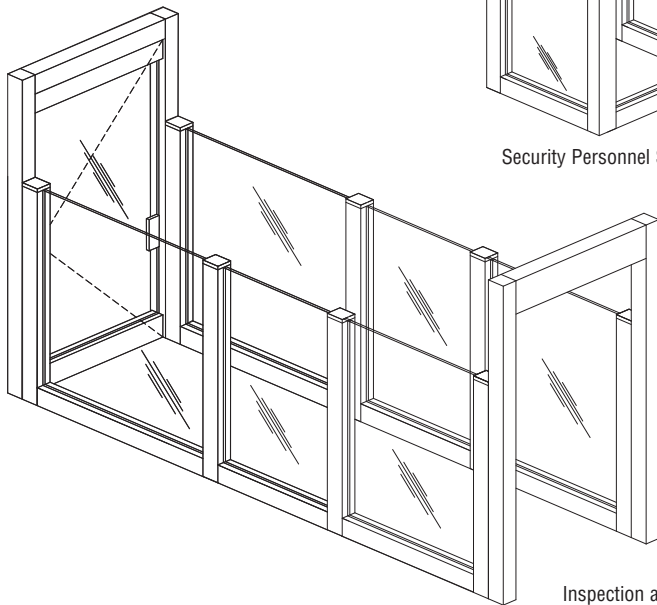
1/2" (12 mm) tempered glazing is recommended, but not supplied by CRL. Glass sizing assistance is available. Units can be shipped knocked down, or fully assembled in a crate.



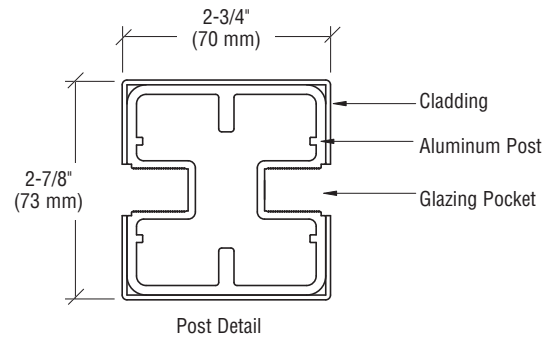
CRL Manufactured Check Point at Sky Harbor International Airport, Phoenix, Arizona



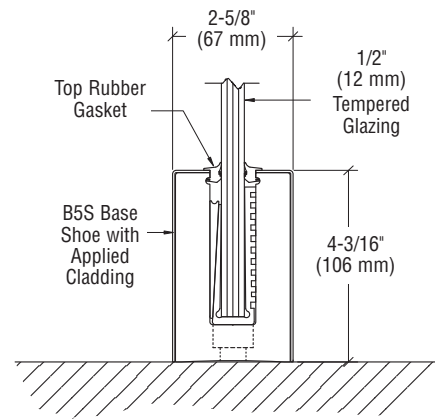
Security Personnel Station



Inspection and Wanding Lane

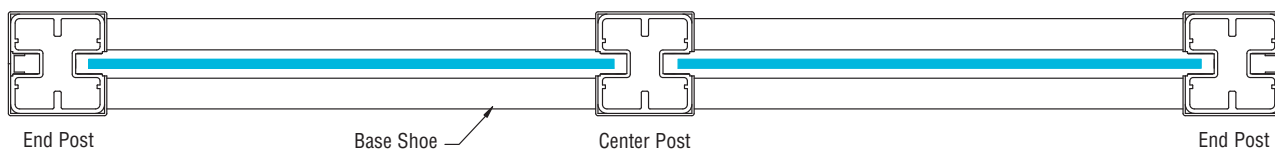


Post Detail



Base Shoe Detail

Barriers can be configured using combinations of 180 Degree Center Posts, 135 Degree Center Posts, 90 Degree Corner Posts, 3-Way Posts, and End Posts. CRL Technical Sales will help you with plans for the Barrier System that is right for any application.





## CRL Security Check Point Barrier Systems



CRL Uses the Latest in Metal Bending Technology



CRL Manufactured Check Point at Sky Harbor International Airport, Phoenix, Arizona

### Post Configurations • Custom Post Heights Up to 72" (1.8 m) Tall



End Post  
CAT. NO. BPE1C



180 Degree Center Post  
CAT. NO. BPC1C



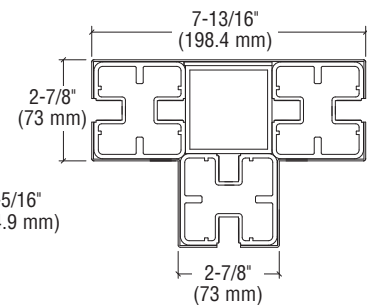
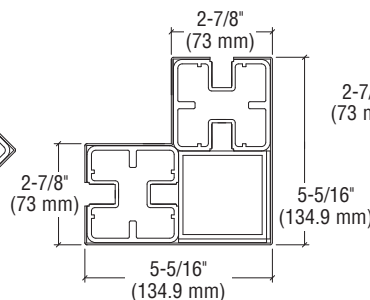
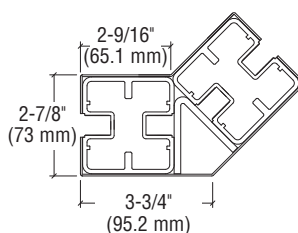
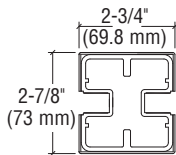
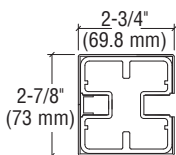
135 Degree Center Post  
CAT. NO. BPH1C



90 Degree Corner Post  
CAT. NO. BPL1C



3-Way Post  
CAT. NO. BPT1C



Barriers can be configured using combinations of 180 Degree Center Posts, 135 Degree Center Posts, 90 Degree Corner Posts, 3-Way Posts, and End Posts. CRL Technical Sales will help you with plans for the Barrier System that is right for any application.



## CRL Glass Awning Support System

- Complete Hardware System for 9/16" (14 mm) Tempered Laminated Glass Awnings
- Provides Protection From the Weather Without Obstructing the View
- Adjustable Slope for Most Weather Conditions
- All High Grade 316 Alloy Stainless Steel Components for Panel Sizes Up to 48" (1219 mm) Wide and 72" (1829 mm) Long With Two Rods and Mounting Kits
- Easy Installation Allows an Economical and Elegant Solution for Both Commercial and Residential Applications

The CRL Glass Awning Support System will give any entrance an uncomplicated, graceful look. With the use of tempered laminated glass you can add a range of glass colors, textures, and special effects not available with typical monolithic glass. This complements and enhances the design of any building.

The use of eye and fork connections makes the installation of our Awning System quick and easy. The Connecting Rods are designed to make field adjustments on varying job conditions a snap. All components are 316 Alloy Stainless Steel for durability in even the harshest of environments.

For additional information, contact CRL Architectural and Ornamental Metals Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7770. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Architectural Metals Products.

### SPECIFICATIONS:

**Material:** All 316 alloy stainless steel construction.

**Typical Panel:** 9/16" (14 mm) thick tempered laminated glass comprised of 1/4" (6 mm) tempered glass, .060" (1.5 mm) interlayer, and 1/4" (6 mm) tempered glass.

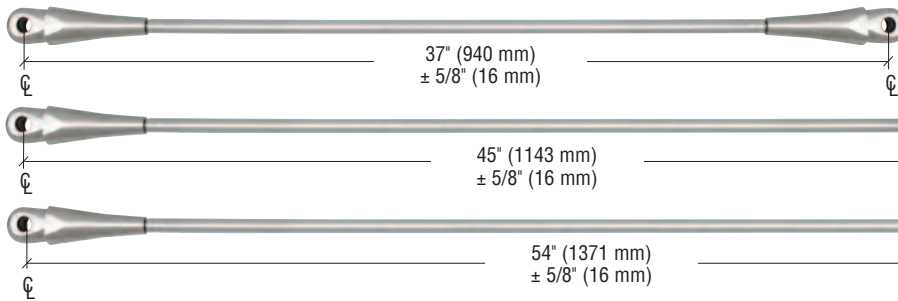
### Glass Fabrication Required:

Two 5/8" (16 mm) and two 1-1/16" (27 mm) diameter holes per panel.

**Ordering Tip:** Though sold individually, two Connecting Rods and two Mounting Kits are required for each panel.



NOTE: Glass Panel Not Included



**CAT. NO. GAS137BS**  
37" Connecting Rod

Custom Rod lengths also available (see page Z743).

**CAT. NO. GAS145BS**  
45" Connecting Rod

**CAT. NO. GAS154BS**  
54" Connecting Rod

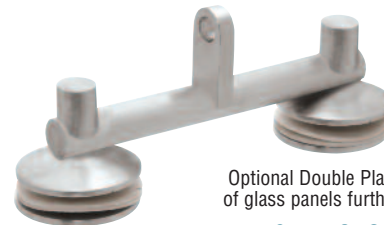
### • Brushed Stainless Finish



Oval Top Mounting Bracket and Pivot for edge of glass furthest from building are connected by one of three available Rod lengths

**CAT. NO. GAS190BS**  
Mounting Kit

Bottom Mount and Pivot are connected to each other to support edge of glass nearest the building



Optional Double Plate Pivot for edge of glass panels furthest from building

**CAT. NO. GAS122BS**

### GLASS AWNING SYSTEM COMPONENTS

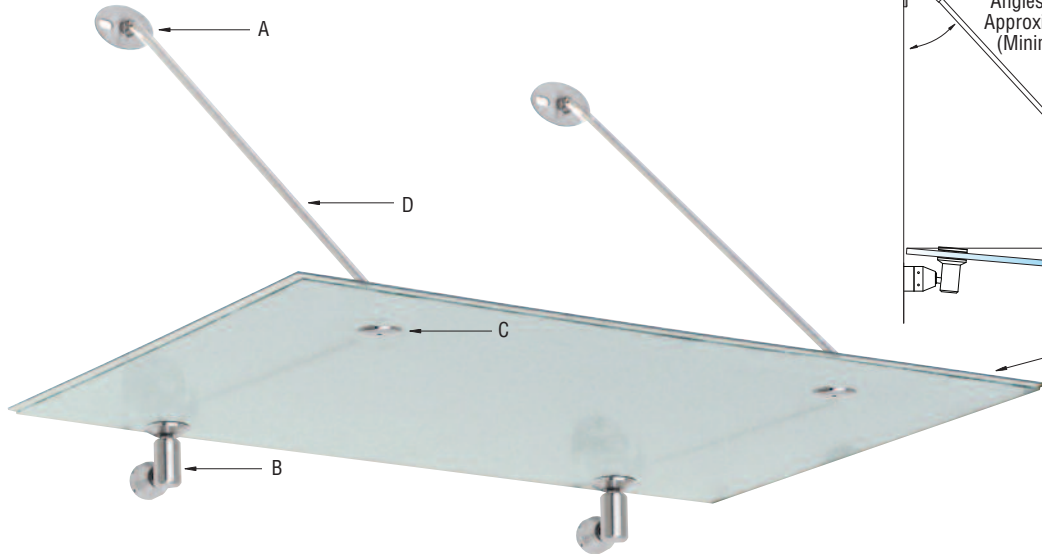
CAT. NO.	DESCRIPTION
<b>GAS137BS</b>	Rod for 36" (914 mm) Wide Panels*
<b>GAS145BS</b>	Rod for 42" (1067 mm) Wide Panels*
<b>GAS154BS</b>	Rod for 48" (1219 mm) Wide Panels*
<b>GAS190BS</b>	Mounting Kit Only for One Rod*
<b>GAS122BS</b>	Double Plate Pivot

Minimum order: 1 each. \*Two Rods and Two Mounting Kits required for each panel. Stainless Steel Mounting Screws not included.

## CRL Glass Awning Support System

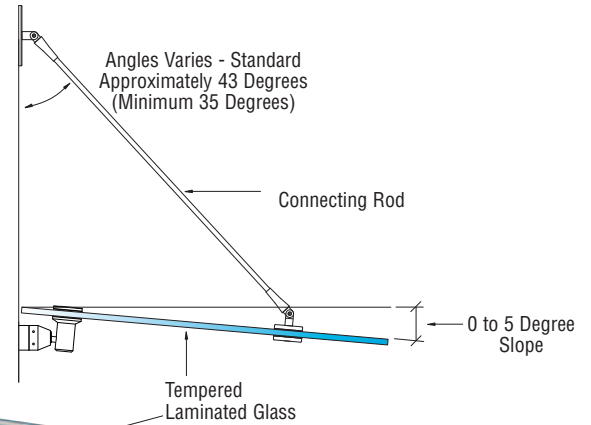
### System Components

Stainless Steel Mounts (A and B) and Pivots (C) are contained in the GAS190BS Mounting Kit. Order Connecting Rods (D) to suit panel width and application conditions.

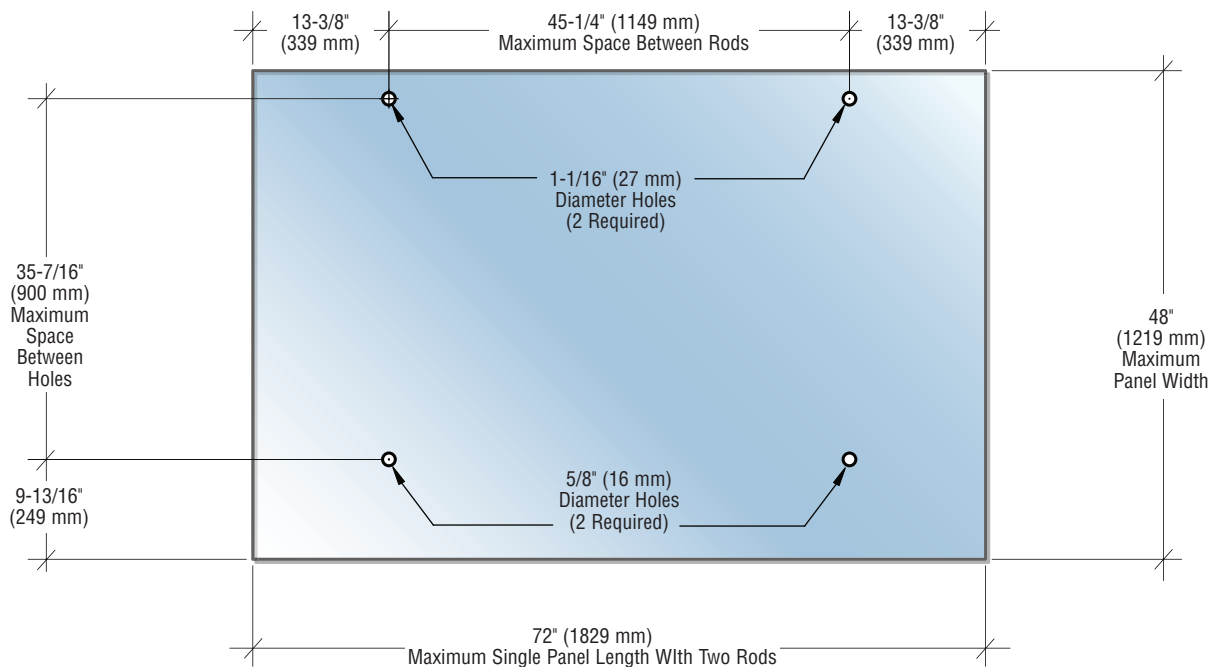


### Typical Installation Conditions

The slope of the Awning Panel is limited to a maximum of a 5 degree negative slope from level.



### Fabrication and Dimensional Information for Awning Panel



**Fabrication of Laminated Units**  
 Awning Panels are constructed using:  
 • 1/4" (6 mm) tempered glass  
 • .060" (1.5 mm) interlayer  
 • 1/4" (6 mm) tempered glass  
 All of the edges should be polished.

For more information on our Glass Awning System, or for a quote, contact CRL Architectural and Ornamental Metals Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7770. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Architectural Metals Products.



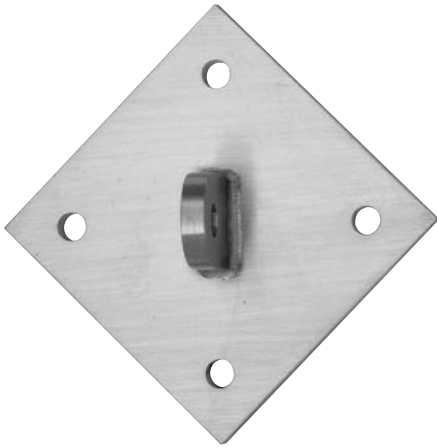
## CRL Glass Awning Optional Mounting Plates

- Five Standard Designs
- Powder, KYNAR® Painted, and Brushed 316 Alloy Stainless Steel
- Custom Designs Available



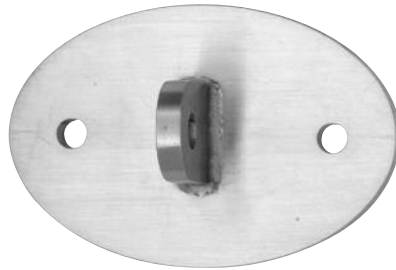
We understand that there are several ways to mount Glass Awnings depending upon the building's structure, that's why CRL offers you mounting options for every situation. If you don't see a Mounting Plate here that will work for your project, we will be happy to design and custom fabricate one that will suit your needs. Contact CRL Architectural and Ornamental Metals Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7770. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Architectural Metals Products.

### CRL Diamond Shaped Mounting Plate



\*CAT. NO. AW9DM

### CRL Oval Mounting Plate



\*CAT. NO. AW90VM

### CRL Square Mounting Plate



\*CAT. NO. AW9SQM

### CRL Storefront Tube Mounting Plate



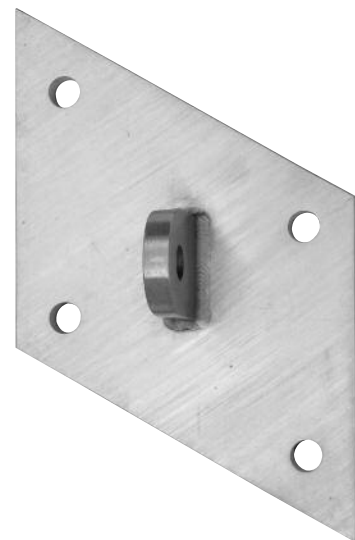
\*CAT. NO. AW9SM

### CRL Curtain Wall/Plate Mounting Plate



\*CAT. NO. AW9CWM

### CRL Custom Mounting Plates



\*CAT. NO. AW9CM

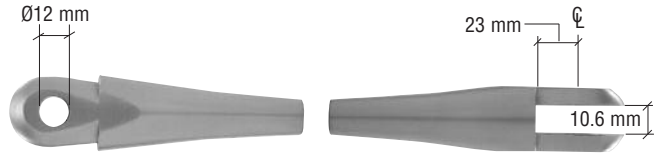
\*Specify finish at time of order. Minimum order is one each. KYNAR® is a registered trademark of Autofina Chemicals, Inc.

## CRL Glass Awning Tension Rod End Fittings

- Additional Support for Canopies and Awnings
- Alloy 316 Brushed Stainless Steel
- Available in Four Diameters
- Easily Attaches to the Rod (Sold Separately Below)

Many Glass Awnings require the additional support provided by Tension Rods. Four sizes of End Fittings can be combined with a cut-to-length Tension Rod to achieve the additional support required by the design of your Canopy or Awning.

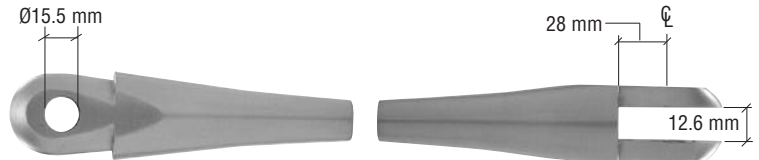
End Fittings are sold in a set of two (one right hand thread and one left hand thread). When mated with the Tension Rods below (sold separately) adjustments in or out can be made easily by simply rotating the Rod. The adjustment is secured in place with a locking collar.



### ENDS FOR 12 MM ROD (SET OF 2)

CAT. NO.	CONNECTION WIDTH	CONNECTION HOLE	HOLE TO END
<b>270112</b>	10.6 mm (.417")	12 mm (.472")	23 mm (.906") Maximum

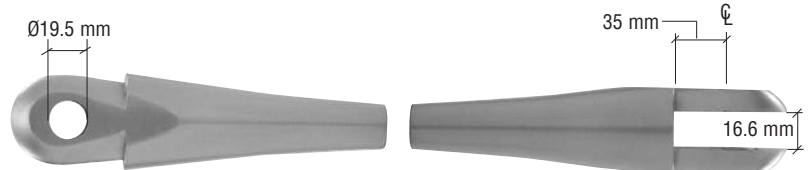
Minimum order: 1 set.



### ENDS FOR 16 MM ROD (SET OF 2)

CAT. NO.	CONNECTION WIDTH	CONNECTION HOLE	HOLE TO END
<b>270116</b>	12.6 mm (.496")	15.5 mm (.610")	28 mm (1.102") Maximum

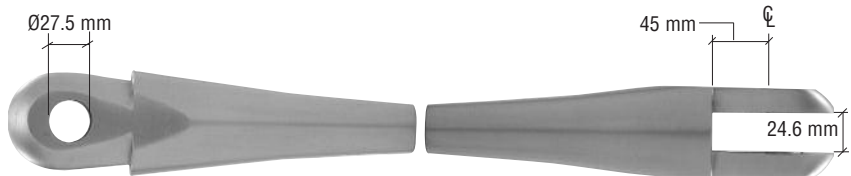
Minimum order: 1 set.



### ENDS FOR 20 MM ROD (SET OF 2)

CAT. NO.	CONNECTION WIDTH	CONNECTION HOLE	HOLE TO END
<b>270120</b>	16.6 mm (.653")	19.5 mm (.768")	35 mm (1.378") Maximum

Minimum order: 1 set.



### ENDS FOR 28 MM ROD (SET OF 2)

CAT. NO.	CONNECTION WIDTH	CONNECTION HOLE	HOLE TO END
<b>270128</b>	24.6 mm (.968")	27.5 mm (1.083")	45 mm (1.772") Maximum

Minimum order: 1 set.

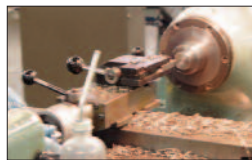
## CRL Custom Fabricated Tension Rods

CRL Manufacturing will cut to length then fabricate Tension Rods to meet your specifications. The length is from the center-line of the hole in each End Fitting. Select the diameter of the Rod and we will do the rest. Fabricated from Alloy 316 brushed stainless steel.

- Alloy 316 Stainless Steel



CRL Manufacturing will cut the Rod length



CRL Manufacturing will thread the Rod



Installed in the field

CAT. NO.	ROD DIAMETER	ROD LENGTH
<b>270112CR</b>	12 mm (.472")	Specify
<b>270116CR</b>	16 mm (.630")	Specify
<b>270120CR</b>	20 mm (.787")	Specify
<b>270128CR</b>	28 mm (1.102")	Specify

Minimum order: 1 each.

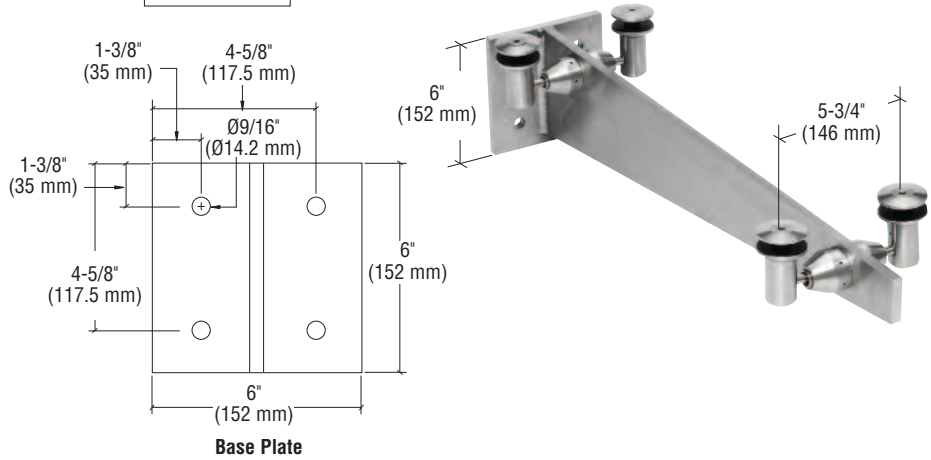
Loads, specifications, and detailed drawings are available online at [crlaurence.com](http://crlaurence.com). For more information, contact our Architectural and Ornamental Metals Technical Sales Department at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7770.

## CRL Universal Wall Mounted Glass Awning Brackets

- Used on Flat or Curved Top Segmented Glass Awnings
- Fabricated From 304 Alloy Stainless Steel
- Available in Brushed or Polished Finishes
- Custom Angles or 45 Degrees Corner Brackets are Available on Special Order
- Requires 9/16" (14 mm) Thick Tempered, Laminated Glass



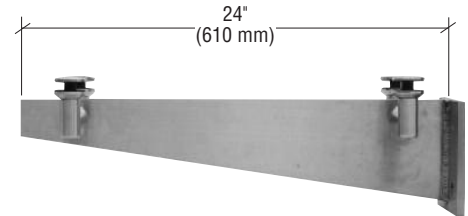
These Universal Wall Mount Glass Awning Brackets have really become popular, not just for their looks, but also their versatility. Each Bracket has four glass attachments that require one 3/4" (19 mm) hole in the glass per attachment. They are designed to be used with 9/16" (14 mm) thick tempered, laminated glass. The swiveling glass attachments adjust 16 degrees (8 degrees in any direction) to accommodate for segmented, bent or warped glass. For special sizes or configurations contact Architectural and Ornamental Metals Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7770. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Architectural Metals Products.



## CRL 24" (610 mm) Glass Awning Bracket

CAT. NO.	FINISH
GAB24BS	Brushed Stainless
GAB24PS	Polished Stainless

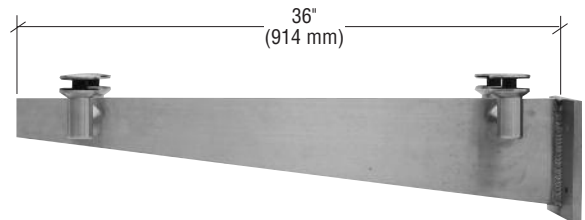
Minimum order: 1 each.



## CRL 36" (914 mm) Glass Awning Bracket

CAT. NO.	FINISH
GAB36BS	Brushed Stainless
GAB36PS	Polished Stainless

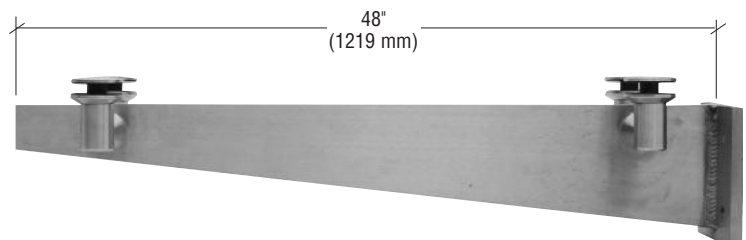
Minimum order: 1 each.



## CRL 48" (1219 mm) Glass Awning Bracket

CAT. NO.	FINISH
GAB48BS	Brushed Stainless
GAB48PS	Polished Stainless

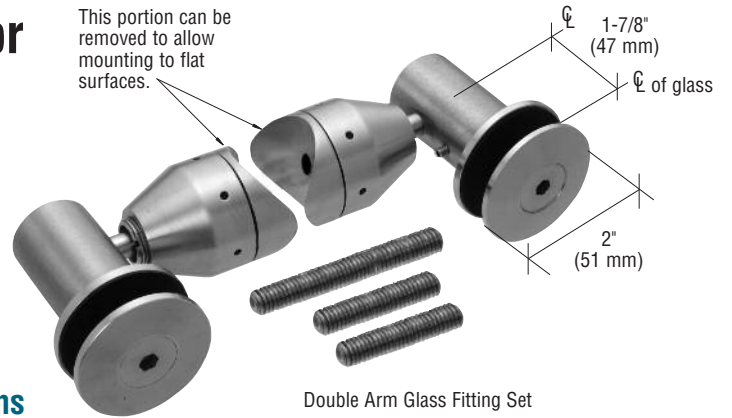
Minimum order: 1 each.





## CRL Double Arm Glass Fittings for Post or Flat Surface Mounting

- Designed for Canopies, Awnings, Railings, and Other Applications
- Complete With Hardware to Mount to Post, Column or Wall
- Compact Design for Minimal Obstruction
- Stainless Steel Construction for Durability
- Accommodates Straight or Segmented Applications

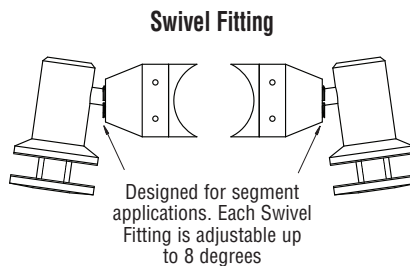


This ingenious Double Arm Glass Fitting can be used to mount 1/2" (12 mm) tempered glass to posts, walls, glass fins, and canopy brackets. The compact attachment portion offers minimal obstruction to the glass, and you can choose from either a fixed or swiveling mount. Glass fabrication is limited to only one 3/4" (19 mm) hole per mount.

Two stainless finishes are available, brushed and polished. Comes with two 3/8"-16 x 13/16" (20.6 mm) and one 3/8"-16 x 1-1/4" (31.8 mm) stainless steel threaded studs.



Post Mount Application



### SWIVEL FITTING SET

CAT. NO.	FINISH
<b>RB50SBS</b>	Brushed Stainless
<b>RB50SPS</b>	Polished Stainless

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

### FIXED FITTING SET

CAT. NO.	FINISH
<b>RB50FBS</b>	Brushed Stainless
<b>RB50FPS</b>	Polished Stainless

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

## CRL 90 Degree Swivel Glass-to-Glass Fitting

- Designed for 90 Degree Glass-to-Glass Connections
- Strong Stainless Steel Construction
- 16 Degrees of Adjustability

This Swivel Glass-to-Glass Fitting is designed for those special applications when connecting glass panels at 90 degrees. The Fittings add rigidity to the unit, and they adjust 16 degrees (8 degrees in any direction) to accommodate for segmented or out of line glass panels. Glass fabrication is limited to only one 3/4" (19 mm) hole per mount.



### SPECIFICATIONS:

For Use With 1/2" (12 mm) Tempered Glass (Do not use with raw or annealed glass)

**Glass Fabrication:**  
One 3/4" (19 mm) Diameter Hole Per Fitting



CAT. NO.	FINISH
<b>RB55SBS</b>	Brushed Stainless
<b>RB55SPS</b>	Polished Stainless

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

## CRL Adjustable Wall Protectors

- Great for Elevators, Hallways, Corridors or Other Areas Where Walls Require Protection
- Easy to Assemble Using Component Parts
- Two Finishes Available
- Custom Powder Coated Finishes Also Available
- Two Styles of Protective End Caps

CRL Wall Protectors were designed to protect walls in areas that are subject to heavy pedestrian traffic along with potential impact from cart and gurney activity. The extruded aluminum Wall Protector Rail comes in two standard architectural finishes, and uses a 3/4" (19 mm) diameter Slide Fitting that is fully adjustable horizontally for ease of installation.



Elevators



Hallways and Corridors

### Three Easy Steps



Secure Mounting Studs to Wall with Appropriate Fasteners

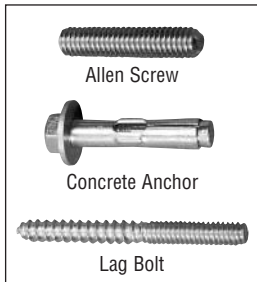


Insert Aluminum Slide Fittings into the Railing



Secure Slide Fittings to Mounting Studs with Set Screws

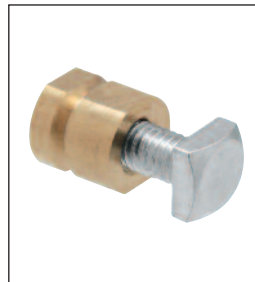
### With Only Five Component Parts



Choice of Attachment Fasteners



Mounting Stud



Slide Fitting



Aluminum Railing

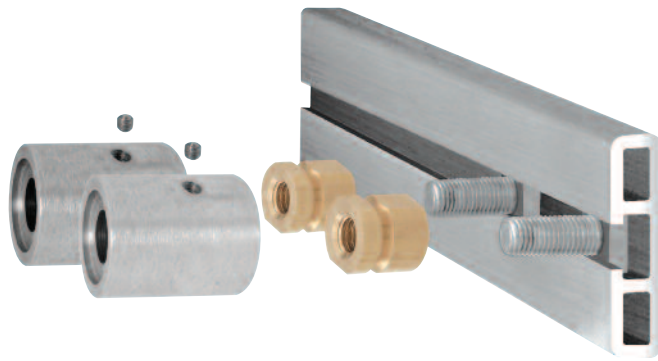


Choice of Protective End Caps

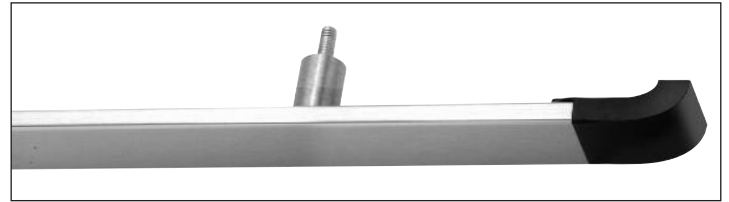
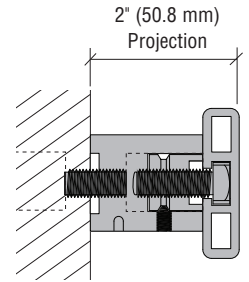
### Wall Protector Installation Sequence

1. Measure the area to be protected.
2. Determine and mark fixing points for the Mounting Studs.
3. Determine which Stud Fasteners work best for your installation.
4. Attach Mounting Studs with Fasteners to pre-marked fixing points.
5. Cut the Aluminum Railing to length.
6. Insert the Slide Fittings into the Aluminum Rails close to their approximate mounting position and snug lightly.
7. Position the Aluminum Railing in front of the Mounting Studs, align the Slide Fittings with the Studs, and tighten the Slide Fittings.
8. Push the Aluminum Railing on the Mounting Studs and secure it by tightening the set screw in the stud groove.
9. Press in the Protective End Caps. Fasten with screws.
10. Grasp Rail at each end and test to assure Slide Fittings have been properly secured to the Stud Fittings. Tighten if loose. Clean area and the job is done.

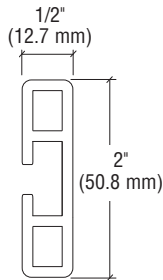
## CRL Adjustable Wall Protectors



The easy to assemble parts make for quick and professional results on the job site. Simply attach the Mounting Stud to the substrate with your choice of Attachment Fasteners. Then insert the Slide Fitting into the Mounting Stud and tighten the set screw. In just a few easy steps you can install a complete assembly.



## CRL Extruded Aluminum Wall Protector Rail



CAT. NO.	FINISH	STOCK LENGTH
<b>WPR2BA</b>	Buffed Brite Anodized	12'-2" (3.7 m)
<b>WPR2BSH</b>	Brushed Stainless Anodized	12'-2" (3.7 m)

Minimum order: 1 each. Stock lengths longer than 108" (2.74 m) must ship common carrier, unless you request we cut them for U.P.S. A Cutting Charge will apply.

## CRL Flush End Cap



CAT. NO. WPEC1BL

## CRL Return End Cap



CAT. NO. WPEC2BL

CAT. NO.	FINISH	DESCRIPTION
<b>WPEC1BL</b>	Black Plastic	Flush End Cap
<b>WPEC2BL</b>	Black Plastic	Return End Cap

Minimum order: 1 each. Supplied with self-drilling mounting screws.

## CRL Mounting Stud and Slide Fitting Kit

The CRL Mounting Stud and Slide Fitting Kit is sold as a complete package with everything needed (except for the Mounting Stud Fasteners, which you purchase separately). To mount the Aluminum Wall Protector Rail the Mounting Studs are secured to the wall with a maximum spacing of 36" (914 mm) apart. Next the Slide Fitting is inserted in the Wall Protector Rail and aligned with the Mounting Studs, then it is secured in place by tightening down on the Square Head Bolt. After all the Slide Fittings are aligned and secured, slip all the Slide Fittings into the attached Mounting Studs and secure by tightening all of the Allen Screws (one per fitting).



CAT. NO.	FOR USE WITH
<b>WPR2MBA</b>	Buffed Brite Anodized Rail
<b>WPR2BSH</b>	Brushed Stainless Anodized Rail

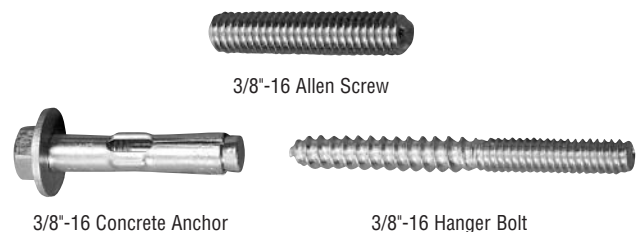
Minimum order: 1 each.

## CRL Mounting Stud Fasteners

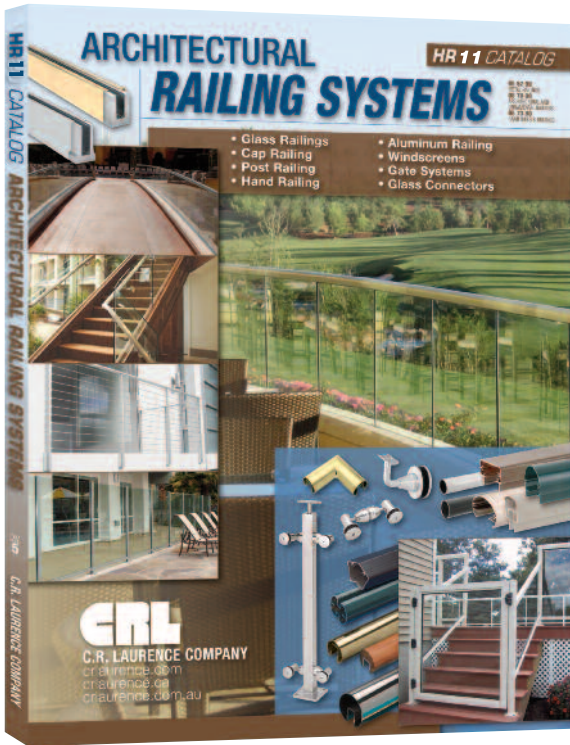
CRL Mounting Stud Fasteners are stainless steel, with a 3/8"-16 thread size.

CAT. NO.	DESCRIPTION	THREAD SIZE	LENGTH
<b>AS38112</b>	Allen Screw	3/8"-16	1-1/2" (38.1 mm)
<b>CA1222</b>	Concrete Anchor	3/8"-16	2-1/4" (57.1 mm)
<b>HB383S</b>	Hanger Bolt	3/8"-16	3" (76.2 mm)

Minimum order: 1 each for Anchors or Bolts; 10 each for Allen Screws.







CAT. NO. HR11

## CRL Architectural Railing Systems Catalog



- New Systems for Hand Rails, Guard Rails, Balustrades, Windscreens, and Gates Designed and Engineered for Residential, Commercial, and Institutional Needs
- New TAPER-LOC™ Dry Glazing System for Glass Railings



In this catalog you will find an extensive selection of architectural railing systems and related hardware for the construction of beautiful, code compliant railings and balustrades, including our very popular Aluminum Railing Systems, and our impressive line of Windscreens. We've expanded our complete line of Glass Railing Hardware, from Base Shoe to Cap Rails, simplifying your hardware selection process for balustrades, hand rails, and guard rails. We have also included our Stainless Steel Post Railing Kits, Wood Cap Rails and Hand Rails, as well as our line of Swinging Gates.

And now, for the first time, our Railing Catalog features TAPER-LOC™, the dry glazing system for Glass Railings. TAPER-LOC™ Tapers can be used with monolithic and laminated tempered glass. This innovative system reduces the installation time and mess associated with wet glaze systems, and is what railing installers have been waiting for.





## A Total Program Combining Style With Safety



**new**  Patent Pending

**TAPER-LOC™**  
DRY GLAZE RAILING SYSTEM  
See Pages Z750-Z751

CRL proudly designs and manufactures Architectural Railing Systems for residential, commercial, and institutional needs. It is a comprehensive program that can provide you with Hand Rails, Guard Rails, Balustrades, Windscreens, and Gates that will not only serve their purpose, but also do so in a manner that will add to the aesthetics of the structure into which they are installed.

CRL Architectural Railing Systems combine innovative component design and installation techniques refined by experts in the field of railing technology. Materials used throughout are of the highest quality in a variety of standard architectural finishes.

Our Technical Sales Professionals can help you select and design the Railing System that will best serve your needs. It's a total program that is unmatched by any firm in our industry. For additional information, contact CRL Railing Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7730. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Railing Products.

### Glass Railing Systems

- Available in Diameters from 1-1/2" to 4" (38 to 102 mm) and Up to Six Stock Finishes



### Hand Rail Systems

- Available in Stainless Steel, Brass, Aluminum, and Wood
- Round and Square Profiles



### Aluminum Railing Systems

- Glass, Picket, Cable, and Custom Systems in a Variety of Colors



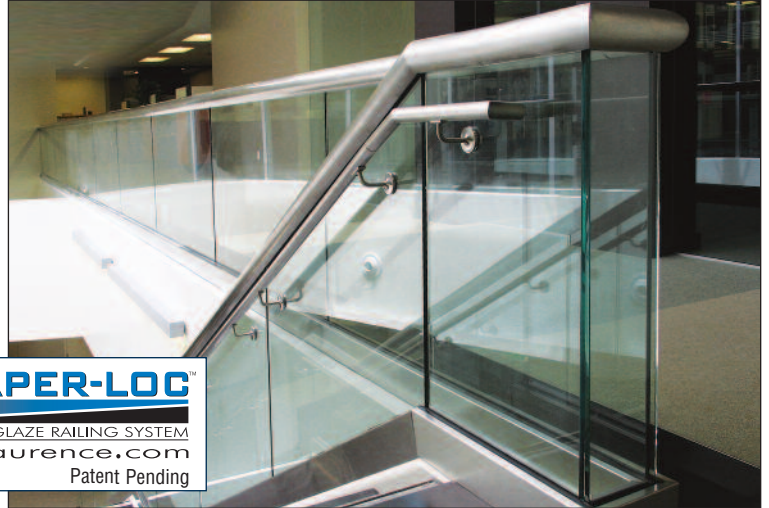
### Aluminum Windscreen Systems

- For Pools and Spas, Patios, Balconies, and Observation Decks



**CRL TAPER-LOC™ Taper Sets** • Glass Magazine 2009 Crystal Achievement Award for "Most Innovative Commercial Hardware Product"

- Three Taper Designs to Meet All Commercial and Residential Applications Using Monolithic Tempered Glass and Now for Laminated Glass
- Dry Glazing Means Installation Time is Reduced by 50 Percent Because There's No Mixing or Clean-Up of Messy Cement
- TAPER-LOC™ Meets and Exceeds Code Standards, and is Miami-Dade County Certified and IBC Compliant
- Engineering and Testing Reports Available at [crlaurence.com](http://crlaurence.com)



**TAPER-LOC™**  
 DRY GLAZE RAILING SYSTEM  
[crlaurence.com](http://crlaurence.com)  
 Patent Pending

**CRL TAPER-LOC™ Taper Set for 1/2" (12 mm), 15 mm, and 3/4" (19 mm) Monolithic Tempered Glass**

- For Use With CRL's B5S, B5T, B6S, and B7S Glass Railing Base Shoes
- Great for Most Glass Railing Applications

CRL's TAPER-LOC™ Taper Set for 1/2" to 3/4" (12 to 19 mm) tempered glass is made up of two Tapers and one L-Setting Block. Tapers are made of high strength reinforced nylon. They expand in thickness when compressed together with the Cat. No. TLK9 Installation/Removal Tool, mechanically locking the glass panel into the base shoe. Not designed for laminated glazing. Minimum order is 10 Sets.

Most Popular



**CAT. NO. TL5W10**  
 For 1/2" to 3/4"  
 (12 to 19 mm)  
 Tempered

**CRL TAPER-LOC™ Taper Sets for Laminated Tempered Glass**

- Designed for 9/16" (13.52 mm) Laminated Tempered Glass (1/4" x .060 x 1/4")
- Also Designed for 27/32" (21.52 mm) Laminated Tempered Glass (10 mm x 1.52 mm x 10 mm) and 1-1/16" (25.52 mm) Laminated Tempered Glass (12 mm x 1.52 mm x 12 mm)
- For Use With CRL's L56S, L21S, and L25S Laminated Tempered Glass Railing Base Shoes Only

Great for Stadiums, Condos, or any areas trying to avoid the hazard of broken glass falling to lower levels. CRL's TAPER-LOC™ Laminated Glass Taper Set is made up of four Tapers and one L-Setting Block. Tapers are made of high strength reinforced nylon. They expand in thickness when compressed together with the Cat. No. TLK9 Installation/Removal Tool, mechanically locking the glass panel into the base shoe. Minimum order is 10 Sets.

**new**

For Laminated Glass



**CAT. NO. LTL96**  
 For 9/16" Laminated

**CAT. NO. LTL10**  
 For 27/32" or 1-1/16"  
 Laminated

**CRL TAPER-LOC™ Taper Set for 3/8" (10 mm) Monolithic Tempered Glass**

- Great for Glass Windscreen Applications
- For Use With CRL's W5B Windscreen Base Shoe
- 36" (914 mm) Recommended Maximum Glass Height

CRL's TAPER-LOC™ Taper Set for 3/8" (10 mm) tempered glass is made up of two Tapers and one L-Setting Block. Tapers are made of high strength reinforced nylon. They expand in thickness when compressed together with the Cat. No. TLK9 Installation/Removal Tool, mechanically locking the glass panel into the base shoe. Not designed for guard rail applications or laminated glazing. Minimum order is 10 Sets.

**new**

For Windscreens



**CAT. NO. TL3W10**  
 For 3/8" Tempered







The innovative GRS Glass Railing Dry Glazed TAPER-LOC™ System has advantages other Railing systems cannot duplicate. Designed for commercial and residential applications, this system works with laminated and monolithic tempered glass railing and windscreen applications.

This unique system uses a horizontal taper lock design. TAPER-LOC™ Tapers are simply installed with CRL's exclusive TLK9 Installation/Removal Tool. This tool mechanically slides the Tapers horizontally and compresses them together to secure the glass in the aluminum base shoe without the use of messy wet cement. When compressed, they expand in thickness and lock in place. When the precise lock-up force is applied, the torque wrench will click and break for a few degrees of rotation. The same tool will also loosen the Tapers for glass alignment or replacement.

The CRL TAPER-LOC™ System reduces installation time by up to 50%, supports all mounting methods, and is designed to meet and exceed code standards. We supply the entire range of railing accessories and tools that partner perfectly with CRL's Heavy Aluminum Base Shoe and Premium Top Cap Rails. We can also assist with your design plans. It's all part of CRL's commitment to the glass railing industry. For full details contact CRL Railing Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7730. Send e-mail to [railings@crlaurence.com](mailto:railings@crlaurence.com).

## TAPER-LOC™ Installation Tools

- Expressly Designed for the Easy and Secure Installation and Removal of All TAPER-LOC™ Taper Sets
- Thorough Instructions for Expert Quality Installations Every Time

### Installation Labor Time Reduced by 50%



- STEP 1** - Place the TAPER-LOC™ Tapers into base shoe finger tight  
**STEP 2** - Place the TAPER-LOC™ Installation/Removal Tool into position  
**STEP 3** - Tighten the TAPER-LOC™ components using our measured Torque Wrench and you're done

## CRL TAPER-LOC™ Installation/Removal Tool Kit

- This One Kit Works With Both Monolithic Tempered and Laminated Tempered Glazing Types
- Easily Allows You to Remove, Adjust, or Replace Glass Panels in Seconds
- Complete With a Torque Wrench Designed for Precise Lock-Up Force

The TLK9 Installation/Removal Tool is used for tightening TAPER-LOC™ Tapers in the channel of the base shoe. It has an Integrated Torque Wrench that applies the precise lock-up force necessary to set the glass panels. Simply set in place and turn the wrench until a clicking sound is heard. This assures the Tapers have been locked together. It can also remove Tapers when glass panels need to be reset or replaced. The TLK9 Tool comes with an Integrated Torque Wrench, a Glass Railing Setting Tool for Monolithic Glass, a Glass Railing Setting Tool for Laminated Glass, a pair of Glass Setting Roller Blocks, Instructions, and an assortment of Compression Blades. The Blade Assortment includes one pair of Blue Blades and Pusher Plate for monolithic surface mount guard rail and railing installs; one pair of Yellow Blades and Pusher Plate for monolithic windscreen installs; one pair of Red Blades and Pusher Plate for monolithic recessed mount guard rail and railing installs; one black Pusher Plate for all laminated glass installs. Everything is contained in a molded carrying case. Minimum order is one each.



**new**

CAT. NO. TLK9

## CRL Upgrade Kit for Original TLK5 Installation/Removal Tools

- Allows Original TLK5 Kits to Work With All Monolithic Tempered and Laminated Tempered Glass Installs
- Color Coded Blades and Pusher Plates for Easy Identification and Matching

This Upgrade Kit is available to bring your original TLK5 TAPER-LOC™ Installation/Removal Tool Kit current and enables one tool to work with all different base shoes and glass thicknesses. The Kit consists of: one pair of Yellow Blades and Pusher Plate for monolithic windscreen installs; one pair of Blue Blades and Pusher Plate for monolithic surface mount guard rail and railing installs; one pair of Red Blades and Pusher Plate for monolithic recessed mount guard rail and railing installs; one black Pusher Plate for all laminated glass installs, and a Laminated Glass Setting Tool. Minimum order is one each.



CAT. NO. TLK7

## CRL PAL Plumb/Angle/Level Locator Kit

- Great for Leveling Base Shoe for Railing and Windscreen Applications

The CRL PAL Plumb/Angle/Level Locator levels base shoe in both horizontal and vertical orientations. It comes complete with everything you need to complete your layout. You can order it with our Digital Laser Tool included, or without if you wish to use your own laser tool. Full instructions are included.

CAT. NO. PAL1K PAL Plumb/Angle/Level Locator Kit [With Digital Laser Tool](#)

CAT. NO. PALOK PAL Plumb/Angle/Level Locator Kit [Without Digital Laser Tool](#)



## CRL Aluminum Base Shoe for Laminated and Tempered Glass

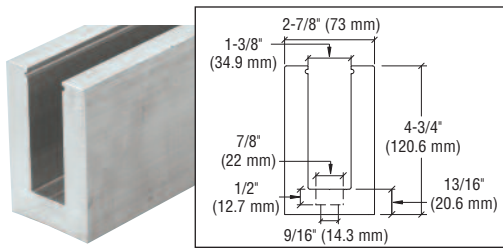
- Typically Used as the Base Channel for Glass Railing Systems or Windscreens
- Drilled and Counter Bored, or We Will Custom Drill to Your Specifications
- Custom Cutting and Mitering Service
- Custom Cladding and End Caps

See Page Z750 for Taper Sets



### CRL L56S Series Standard Square Base Shoe

**new**



- For 9/16" (13.52 mm) Laminated Tempered Glass
- Pre-Drilled in 10 Foot (3.05 m) Lengths
- Works With LTL96 TAPER-LOC™ Taper Sets

CAT. NO.

L56S10D

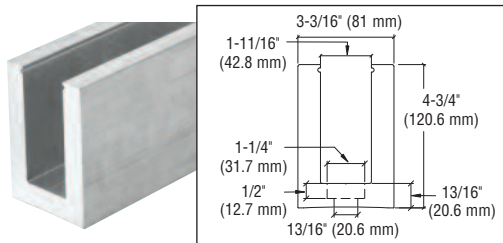
STOCK LENGTH

10 Feet (3.05 m)

Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier. Stock lengths have a tolerance of plus or minus 3/4" (19 mm).

### CRL L21S Series Standard Square Base Shoe

**new**



- For 27/32" (21.52 mm) Laminated Tempered Glass
- Pre-Drilled in 3 Meter (118") Lengths
- Works With LTL10 TAPER-LOC™ Taper Sets

CAT. NO.

L21S10D

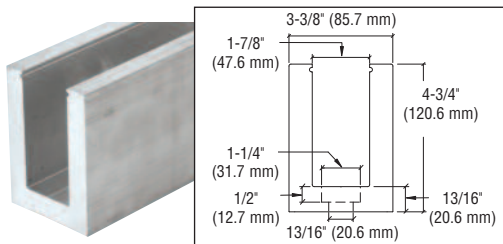
STOCK LENGTH

118" (3 m)

Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier. Stock lengths have a tolerance of plus or minus 3/4" (19 mm).

### CRL L25S Series Heavy-Duty Square Base Shoe

**new**



- For 1-1/16" (25.52 mm) Laminated Tempered Glass
- Pre-Drilled in 3 Meter (118") Lengths
- Works With LTL10 TAPER-LOC™ Taper Sets

CAT. NO.

L25S10D

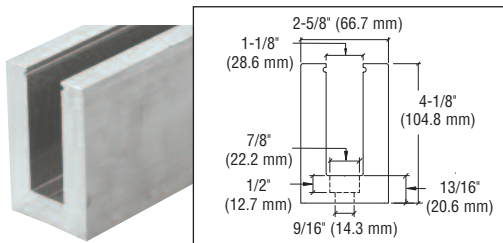
STOCK LENGTH

118" (3 m)

Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier. Stock lengths have a tolerance of plus or minus 3/4" (19 mm).

### CRL B6S Series Standard Square Base Shoe

**new**



- For 15 mm Monolithic Tempered Glass
- Pre-Drilled in 3 Meter (118") Lengths
- Works With TL5W10 TAPER-LOC™ Taper Sets

CAT. NO.

B6S10D

STOCK LENGTH

118" (3 m)

Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier. Stock lengths have a tolerance of plus or minus 3/4" (19 mm).



C.R. LAURENCE COMPANY

Z752

crlaurence.ca

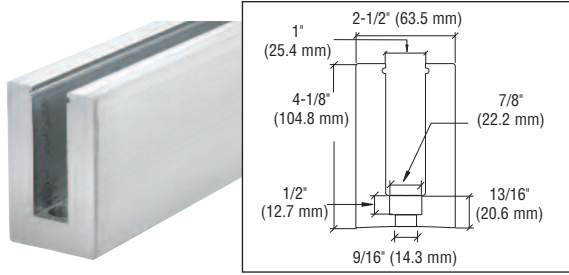
crlaurence.com.au

crlaurence.co.uk

crlaurence.de

crlaurence.com

## CRL B5S Series Standard Square Base Shoe

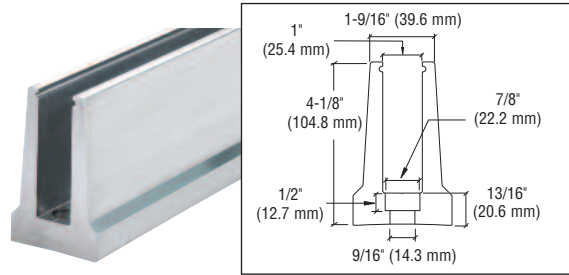


- For 1/2" to 5/8" (12 to 16 mm) Monolithic Tempered Glass
- Pre-Drilled in 10 and 20 Foot Lengths
- Works With TL5W10 TAPER-LOC™ Taper Sets

CAT. NO.	STOCK LENGTH
B5S10D	10 Feet (3.05 m)
B5S20D	20 Feet (6.10 m)

Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier. Stock lengths have a tolerance of plus or minus 3/4" (19 mm).

## CRL B5T Series Tapered Base Shoe

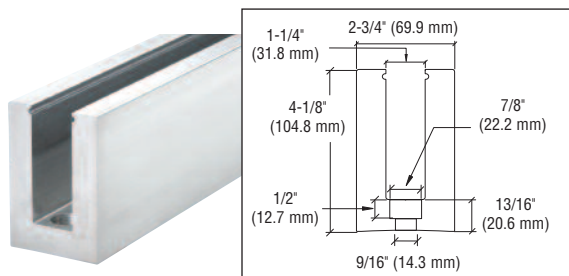


- For 1/2" to 5/8" (12 to 16 mm) Monolithic Tempered Glass
- Typically Used When a Flush Installation Embedded in Concrete is Required
- Works With TL5W10 TAPER-LOC™ Taper Sets

CAT. NO.	STOCK LENGTH
B5T10D	10 Feet (3.05 m)
B5T20D	20 Feet (6.10 m)

Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier. Stock lengths have a tolerance of plus or minus 3/4" (19 mm).

## CRL B7S Series Heavy-Duty Square Base Shoe

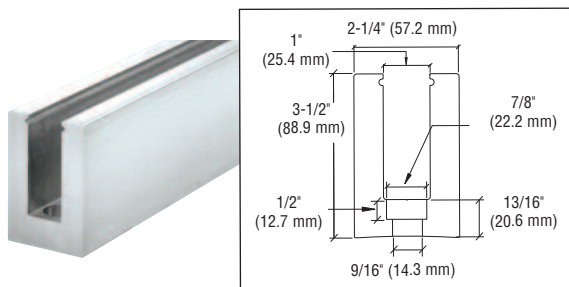


- For 3/4" (19 mm) Glass Monolithic Tempered Glass
- Pre-Drilled in 10 and 20 Foot Lengths
- Works With TL5W10 TAPER-LOC™ Taper Sets

CAT. NO.	STOCK LENGTH
B7S10D	10 Feet (3.05 m)
B7S20D	20 Feet (6.10 m)

Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier. Stock lengths have a tolerance of plus or minus 3/4" (19 mm).

## CRL B5L Series Low Profile\* Square Base Shoe



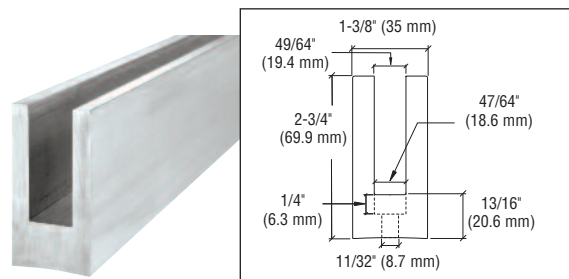
- For 1/2" to 5/8" (12 to 16 mm) Monolithic Tempered Glass
- Pre-Drilled in 10 and 20 Foot Lengths

CAT. NO.	STOCK LENGTH
B5L10D	10 Feet (3.05 m)
B5L20D	20 Feet (6.10 m)

Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier. Stock lengths have a tolerance of plus or minus 3/4" (19 mm).

\*Low Profile Square Base Shoe cannot be used with the TAPER-LOC™ Glazing System.

## CRL W5B Series Small Profile Windscreen Base Shoe



- For 3/8" to 1/2" (10 to 12 mm) Monolithic Tempered Glass
- Pre-Drilled in 10 and 20 Foot Lengths
- Works With TL3W10 TAPER-LOC™ Taper Sets

CAT. NO.	STOCK LENGTH
W5B10D	10 Feet (3.05 m)
W5B20D	20 Feet (6.10 m)

Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier. Stock lengths have a tolerance of plus or minus 3/4" (19 mm).



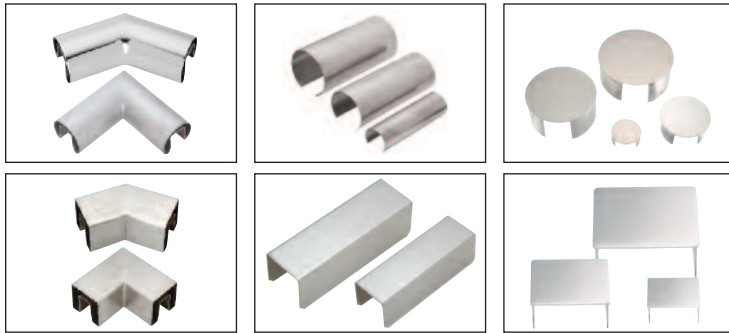
## CRL Cap Rails

- Premium Cap Rails are Manufactured by Bump-Forming to Ensure Reduced Spring Back
- A Variety of Sizes and Finishes Available to Accommodate 1/2" (12 mm), 5/8" (16 mm), and 3/4" (19 mm) Thick Glass

CRL Hand Railing Cap Rails are our latest innovation to set a standard for quality and cutting edge technical resources. We offer a Bump-Formed Cap Rail formed around a radius die, ensuring reduced spring back of the finished rail. CRL Formed Cap Rails are fabricated from 16 and 18 gauge material, depending on the diameter. CRL Extruded Aluminum Cap Rails have a standard wall thickness of 1/8" (3.2 mm).

CRL Cap Rails are available in a wide range of architectural finishes, as well as accessories to complete the installation. If you have a unique job condition, or for additional information, contact CRL Railing Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7730. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Railing Products.

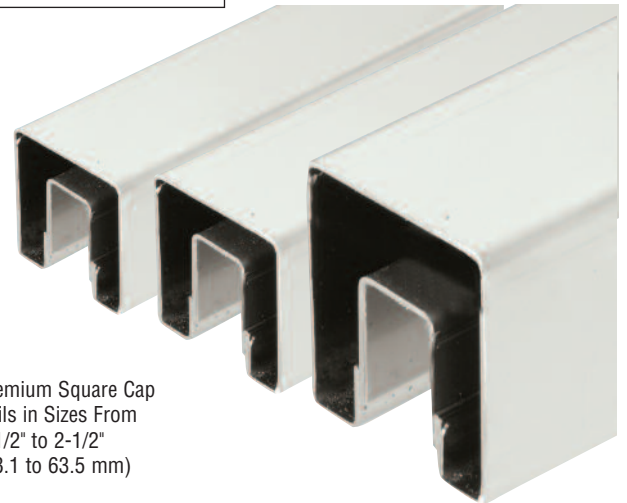
- A Full Line of Accessories to Complete the Installation



Premium Round Cap Rails in Diameters From 1-1/2" to 4" (38.1 to 101.6 mm)



New Oval Rails



Premium Square Cap Rails in Sizes From 1-1/2" to 2-1/2" (38.1 to 63.5 mm)

## CRL Wood Cap Rails for 1/2" (12 mm), 5/8" (16 mm) or 3/4" (19 mm) Glass

- 10 Foot (3.05 m) Stock Lengths Available in a Variety of Hardwoods
- Extruded Aluminum Interior Glass Pocket
- Custom Ordered to Meet Your Specific Needs
- Custom Diameters and Shapes Available

CRL Wood Cap Rails are produced to the customer's specifications, and can be fully fabricated or shipped in stock 10 foot (3.05 m) lengths. They are available in many different configurations, sizes, and types of hardwoods. CRL Wood Cap Rails have an extruded aluminum channel installed, providing a glass pocket, while adding strength, and preventing the wood from splitting.

For additional information, contact CRL Railing Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7730. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Railing Products.







GRS Glass Rail System With 2" (51 mm) Top Cap



GRS Glass Rail System With 2" (51 mm) Top Cap



GRS Glass Rail System With 3" (76 mm) Top Cap

## CRL Cap Rail Swinging Gate

- Heavy-Duty Glass Gate With Optional Cap Rail
- Beautiful in Design and Functional in Operation
- Ask About Our New Free-Standing Post Model
- Gate Can Be Adjusted In and Out at Both the Top and the Bottom
- Custom Fabrication is Also Available

We have developed a Swinging Gate for commercial or residential use with our GRS Glass Rail System. The bottom rail is widened so it matches the width of the adjacent fixed railing Base Shoe. The upper patch fitting is modified to allow for mounting to the stainless steel wall bracket and the modified Cap Rail. The top of the Gate pivots on a heavy-duty ball bearing, while the bottom pivots on a floor mounted commercial door closer. The floor closer always returns the Gate to the closed position, and the closing speed is adjustable.

All Swinging Gates are custom fabricated to your specifications. For additional information, contact CRL Railing Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7730. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Railing Products.



## CRL HRS Hand Rail Tubing and Components

- **Designed for Commercial, Institutional, and Residential Applications**
- **Available in Stainless Steel, Brass, Aluminum, and Wood**
- **Can Be Designed to Meet the Strictest of Building Codes, and are A.D.A. Compliant**
- **Round and Square Profiles Available**
- **Easy to Install and Attractively Priced**
- **Select From a Variety of Architectural Finishes**

CRL has developed a line of Hand Rail Tubing for our HRS Hand Railing System. Plus we offer a complete selection of accessory components. Our collection of Corners, Tees, Elbows, Crosses, Flanges, and Brackets will fill the need of most projects. We will also custom fabricate to fit your unique job conditions.

For complete information on HRS Hand Rails, 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. 7730. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Railing Products.

- **A Full Range of Assembly Components to Complete Just About Any Configuration**



Round Polished Stainless



Round Brushed Stainless



Round Polished Brass



Square Polished and Brushed Stainless



Round Wood







HRS Hand Rail System With Wall Mount and Glass Mount Brackets and 1.9" (48 mm) Hand Rail

## CRL Stainless Steel HRS Post Railing System for Use With Glass Panels



- Available in 1-1/4" Schedule 40 Pipe [1.66" (42.2 mm) Outside Diameter] and 1-1/2" Schedule 40 Pipe [1.9" (48.3 mm) Outside Diameter]
- Polished or Brushed Stainless Steel Finishes Available From Stock
- Glass is Secured With Our Z-Series Glass Clamps
- Custom Fabrication to Your Specifications for Glass Thicknesses From 1/4" (6 mm) to 1/2" (12 mm)



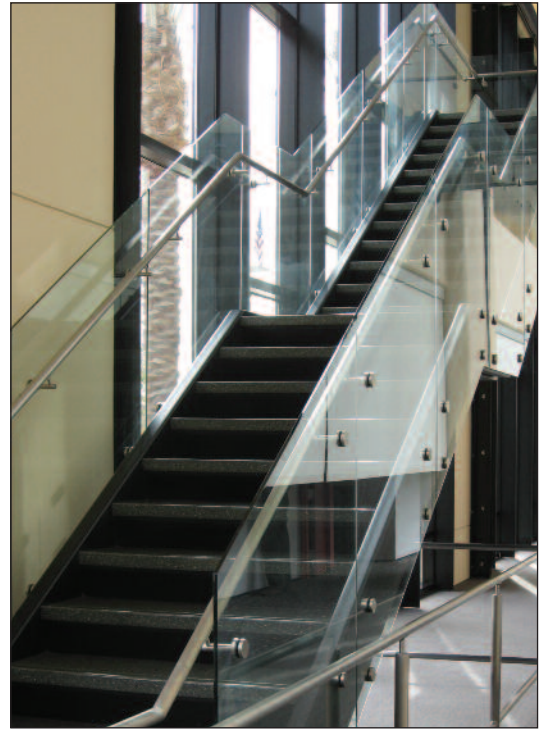
CRL HRS Post Railing Systems are custom fabricated in Schedule 40 Pipe to the customer's specifications. They are available in two diameters from stock inventory, also in other diameters on special order. Polished stainless steel or brushed stainless steel finishes are available from stock. Other finishes are available on special order. For additional information, contact CRL Railing Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7730. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Railing Products.

# CRL SRS STANDOFF RAILING SYSTEM

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Standoff Railing System

C.R. Laurence Company is now manufacturing Standoff Railing Systems. By specializing in the design and manufacturing of this innovative system, we offer you the ability to create custom railings that will address project-specific criteria. Product development is an ongoing process at CRL. Rest assured that the products we offer will represent the current evolution of the railing industry.

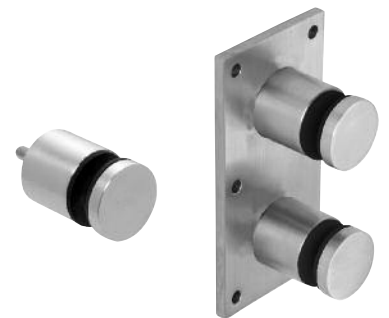
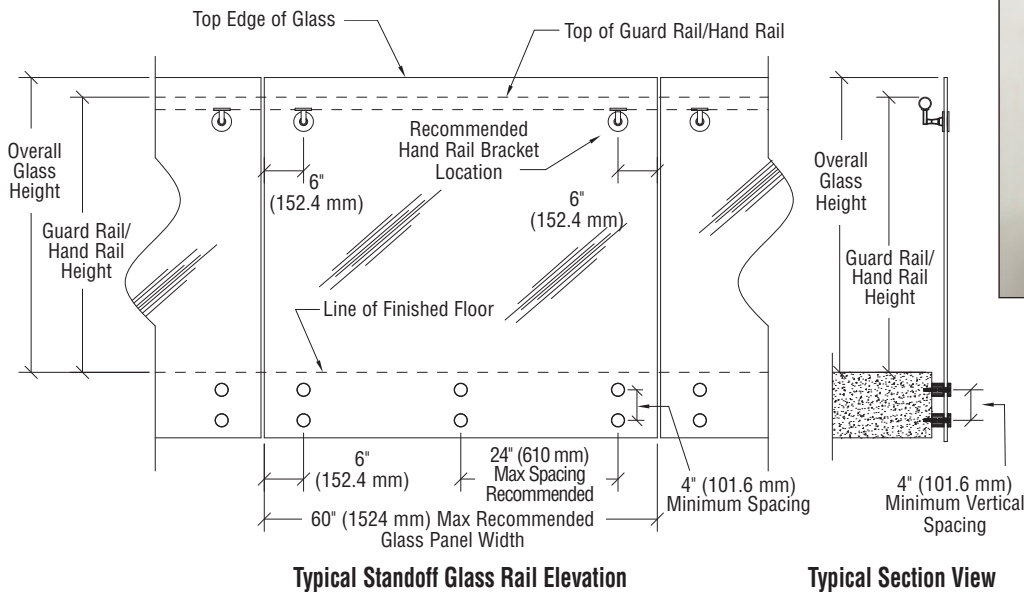


## Design Options

- For Use With 1/2" or 3/4" (12 or 19 mm) Tempered Glass
- 316 Grade Stainless Steel
- Exterior and Interior Applications
- Two Architectural Finishes Available
- Powder Coated Finishes are Also Available
- Compact Design for Minimal Obstruction
- Designed for Guard Rail, Stairway, Ramp Areas
- Meets or Exceeds A.D.A. Requirements
- Custom Engineering Also Available
- For a Full Line of Cap Rails, Hand Rails, and Hand Rail Brackets, Please Visit [crlaurence.com](http://crlaurence.com)



## Installation Guidelines

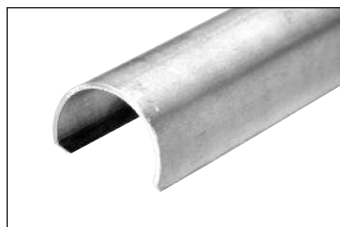


## Accessories for Standoff Railing System

Top Rails



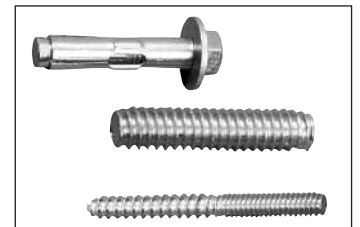
Connector Sleeves



Brackets



Fasteners



For additional product information please visit our web site at [crlaurence.com](http://crlaurence.com)



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[crlaurence.ca](http://crlaurence.ca)

[crlaurence.com.au](http://crlaurence.com.au)

[crlaurence.co.uk](http://crlaurence.co.uk)

[crlaurence.com](http://crlaurence.com)

[crlaurence.de](http://crlaurence.de)



## CRL Standoff Railing System

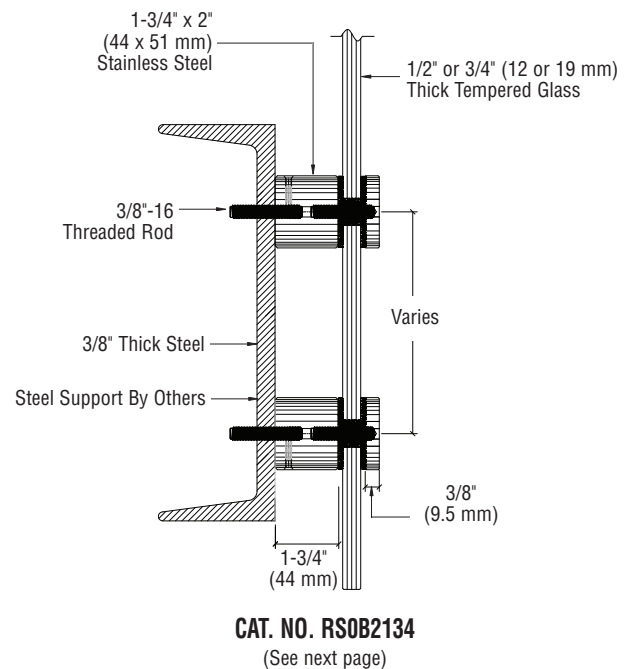
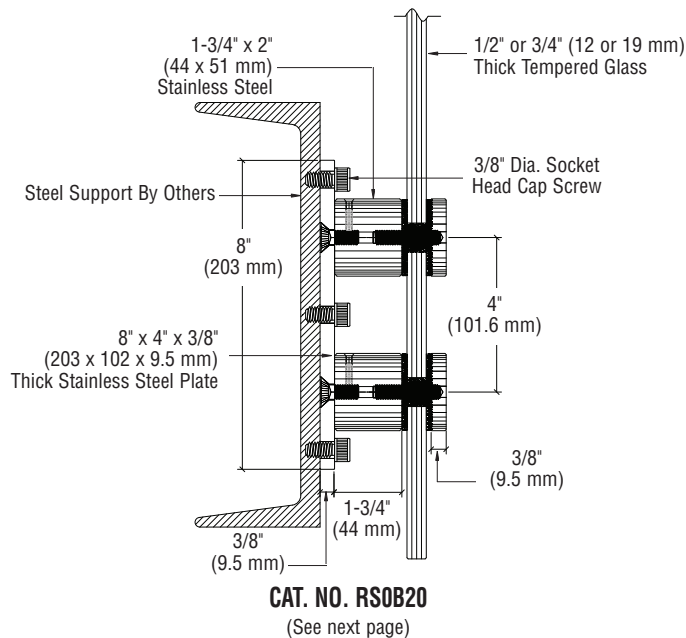
**new**



CRL's high quality commercial and residential Standoff Railing System is manufactured to meet or exceed applicable building code requirements. This system can be designed to be mounted to almost any approved substrate. Utilizing our state-of-the-art manufacturing facility we can produce almost any desired design to meet you project specifications. As illustrated below, this system is most commonly mounted to a steel substrate. However, this system can also be engineered by CRL for other mounting surfaces. Please contact CRL Technical Sales for additional information.



## Typical Mounting Options





# CRL SRS STANDOFF RAILING SYSTEM

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Glass Rail Standoff Fittings

**new**

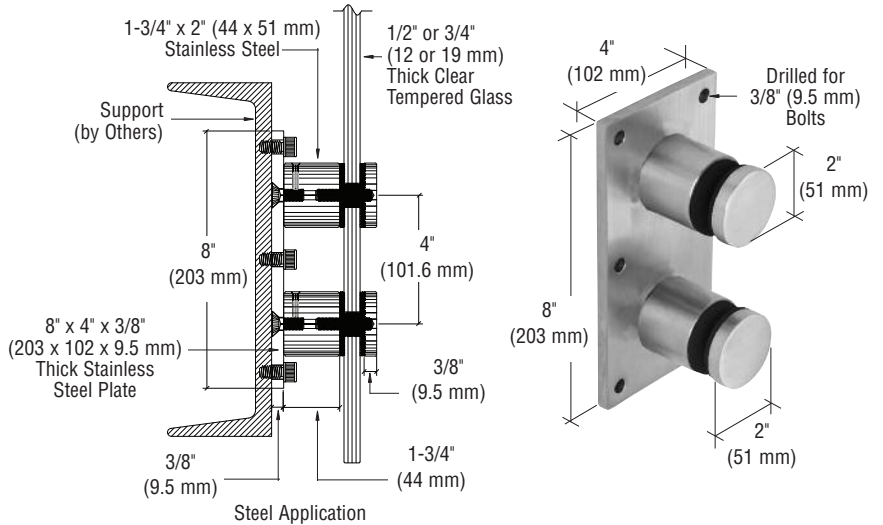


- Compact Design for Minimal Obstruction
- Complete With Mounting Plate
- For Use With 1/2" and 3/4" (12 and 19 mm) Tempered Glass Applications
- Brushed or Polished 316 Grade Stainless Finishes Available
- Designed for Wood or Steel Mounting Attachment

Our new Glass Rail Standoff Fittings can be used two ways to mount glass up to 3/4" (19 mm) thick. The Drill-Through Method will allow flush mounting of the glass to the surface of the substrate. The steel back plate can also be fastened directly to steel supports, raising the glass off of the surface.

This versatile Standoff Fitting features 2" (51 mm) diameter caps on threaded bolts to secure the glass. The 2" (51 mm) diameter Standoffs are fastened to a 3/8" (9.5 mm) thick, 316 grade stainless steel plate that is pre-drilled for mounting. Two popular stainless finishes are available from stock.

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. 7730. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Railing Products.



### SPECIFICATIONS:

For Use With 1/2" or 3/4" (12 or 19 mm) Tempered Glass (Do not use with raw or annealed glass)

### Glass Fabrication:

Two 3/4" (19 mm) Diameter Holes Per Fitting

### Spacing:

Maximum spacing between Fittings is 24" (609 mm) center-to-center.

CAT. NO.	FINISH
RS0B20BS	Brushed Stainless
RS0B20PS	Polished Stainless



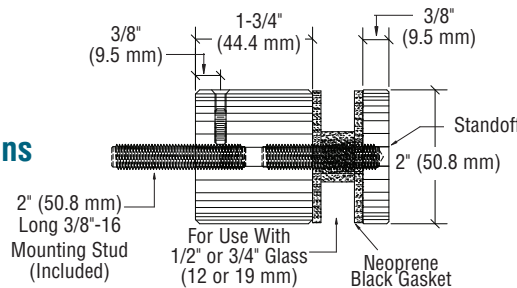
Spanner Wrench  
CAT. NO. SSW12

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

## CRL Glass Rail Standoff Base and Cap

- Compact Design With Base, Cap, and Mounting Stud
- For Use With 1/2" and 3/4" (12 and 19 mm) Tempered Glass Applications
- Brushed or Polished 316 Grade Stainless Finishes Available
- Designed for Steel, Aluminum, and Concrete Substrates

These heavy-duty Standoffs work with hand or guard railings. The standoff fitting is 2" (51 mm) diameter and 1-3/4" (44.5 mm) long, comes with a 3/8"-16 x 2" Allen Stud for mounting, along with necessary rubber washers and grommet. Use Spanner Wrench Cat. No. SSW12 to tighten the cap (see above). Fabricated with #316 grade stainless steel in brushed or polished finishes.



### SPECIFICATIONS:

For Use With 1/2" or 3/4" (12 or 19 mm) Tempered Glass (Do not use with raw or annealed glass)

### Glass Fabrication:

One 3/4" (19 mm) Diameter Hole Per Fitting

### Spacing:

Maximum horizontal spacing between fittings on hand or guard rail applications is 24" (609 mm) center-to-center and minimum height is 4" (101.6 mm) center-to-center.



**new**



CAT. NO.	FINISH
RS0B2134BS	Brushed Stainless
RS0B2134PS	Polished Stainless

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



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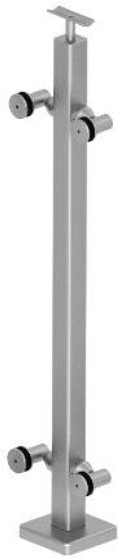
[crlaurence.com.au](http://crlaurence.com.au)

[crlaurence.co.uk](http://crlaurence.co.uk)

[crlaurence.de](http://crlaurence.de)

[crlaurence.com](http://crlaurence.com)

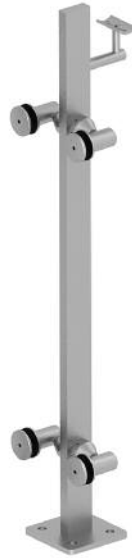
## CRL Stainless Steel Post Railing Kits



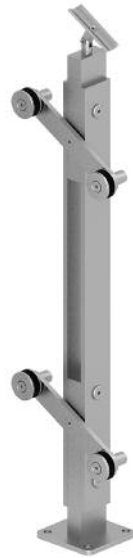
P1 Series



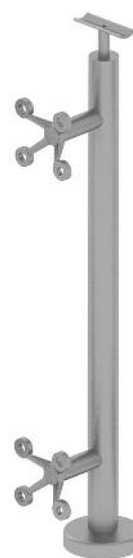
P2 Series



P3 Series



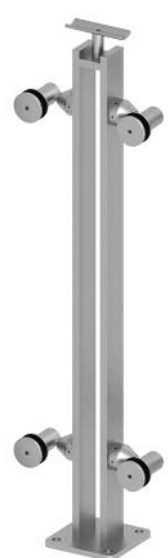
P4 Series



P6 Series



P7 Series



P8 Series

- **Post Kits Designed for Interior or Exterior Hand Rail and Guard Rail Applications**
- **Designed and Engineered to Meet or Exceed Building Codes**
- **Accept 1/2" (12 mm) Tempered Glass**
- **Low Maintenance 316 Grade Stainless Steel Alloy Posts Are Ready to Install**
- **Two Standard Stainless Finishes, With Custom Powder Paint Finishes Also Available**
- **Standard 36" (914 mm) and 42" (1067 mm) Post Heights Available**
- **Custom Styles and Heights on Special Order**



C.R. Laurence manufactures a comprehensive selection of Post Railing Kits that combine the durability of stainless steel components with innovative designs and engineering. This ensures long-term structural integrity and enhances project aesthetics. Our P-Series Post Railing Kits offer a choice of seven distinctive designs for both commercial and residential applications. All are designed and engineered to meet or exceed most local building codes. Posts are fabricated from 316 grade stainless steel, and come ready to install. Standard Post heights are 36" and 42" (914 and 1067 mm), but you can also order them in custom heights to meet your exact requirements. Standard finishes are brushed and polished stainless steel, with custom powder paint finishes available on special order. For the top rail you can select either 1-1/4" or 1-1/2" (31.8 or 38.1 mm) Schedule 40 Hand Rail Tubing (please visit [crlaurence.com](http://crlaurence.com)) in complementary or contrasting finishes.

**NOTE:** The 1/2" (12 mm) tempered glass is supplied by the customer, and must be fabricated with pre-drilled holes to be fastened to the Posts. CRL does not supply the glass, but can assist with the drilling information. Please contact CRL Technical Sales for assistance in planning your Post Railing project.



## CRL ARS Aluminum Railing System

C.R. Laurence Company is now manufacturing a premium Aluminum Railing System. By specializing in the design and manufacturing of this innovative system, we are uniquely suited to solve difficult installation issues and maintain high quality production. By controlling each step from original design to final shipping, we can provide the highest level of quality control and lead time reliability for projects anywhere in the world.

Product development is an ongoing process at CRL. Rest assured that the products we offer will represent the current evolution of railing technology. In addition to our standard designs, we offer the ability to create custom railings that address project-specific criteria.

## Glass Railing System

Use CRL's Glass Railing System for projects that are view-oriented. Glass Railings give buildings a sophisticated appeal. Our various systems will accept any 1/4" to 1/2" (6 to 12 mm) clear or tinted tempered glass infill options. Glass Railings also serve as effective wind barriers, further enhancing the outdoor balcony environment.

## Picket Railing System

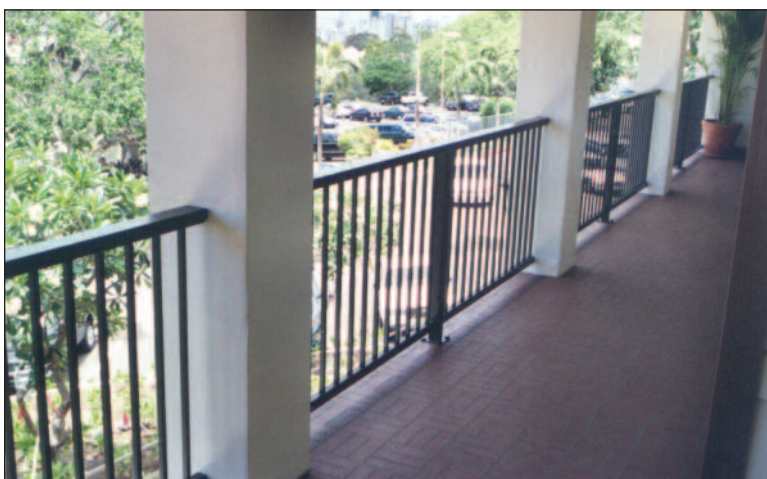
CRL's Picket Railing System is simple, attractive, and strong. Widely specified for commercial and residential applications, the Picket Railing System utilizes 3/4" (19 mm) square or round vertical pickets. Choose any one of our standard top rail options. Add our decorative cast or water jet/laser cut infill panels to create a unique architectural accent. For custom applications, consult CRL Technical Sales.

## Cable Railing System

CRL's Cable Railing System is perfect for projects that desire a more commercial or nautical feel. Using quality 316 alloy cable and stainless steel hardware, our Cable Railing System performs in the harshest of conditions. Typical applications utilize horizontal cables spaced 3-1/2" (89 mm) on center.

## AWS Windscreen System

CRL's Glass Pool Surrounds and AWS Windscreens are very popular in hotel and condo applications. This Windscreen System creates an effective barrier while limiting the confining effect of a typical fence. Used in conjunction with a concrete slab or masonry wall, these innovative systems are highly adaptable, structurally sound, and attractive.





## CRL ARS Aluminum Railing System

CRL's high quality commercial or residential Aluminum Railing Systems are manufactured from extruded aluminum framing members utilizing infill options of tempered glass, aluminum pickets, stainless steel cable, cast or water jet/laser cut infills, that are engineered to meet applicable building code specifications.

Regardless of style or color, each one of our railing systems provides superior color retention, impact resistance, and weatherability in any environment.

We manufacture a comprehensive selection of railing systems that combine the durability of extruded aluminum with innovative design details. This assures long-term structural integrity and enhances project aesthetics, while consistently reducing the annual maintenance expense.



See our HR11 Catalog for our complete selection of Railing Systems

### Design Options

- Exterior and Interior Hand Rails and Guard Rails
- Infill Panel Options: Aluminum Pickets, Aluminum Pattern Panels, Clear or Coated Structural Glass, or Stainless Steel Cable
- Custom Gates
- ADA Compliant Grab Rails
- Attractive Low-Voltage, Post Mounted Lighting System for Our Railing Systems. Using a Safe, 12 Volt Power Source, These Lights Provide a Subtle Glow That is Sure to Enhance Any Balcony Environment



### Component Features and Benefits

- Innovative Design Details for Standard or Custom Applications
- Extruded Aluminum for Durability, Weather Resistance, and Low Maintenance
- Heavy Gauge Materials and Steel Embeds for Strength
- Uses 1/4" to 1/2" (6 to 12 mm) Tempered Glass for Safety and Impact Resistance

### Color Selection

- Tough, Powder-Coated or Optional KYNAR® Paint Colors for Superior Color Retention and Weather Resistance
- Special Coating for Resistance to Salt Water Corrosion
- Also Available in Unfinished Chromate

Our specially formulated coatings are designed to resist the corrosive effects of salt water, providing a permanent, worry-free addition to your building. You can choose from one of the seven standard colors, or one of our 250 additional "Quick Turn" colors. If you still can't find just the right color, you can send us the desired color and we can match it for you. Raw Chromate finish is also available as an option.

### Standard Colors

- In-House Factory Applied
- Baked on TGIC Polyester Powder Coat Paint System
- Excellent Weatherability and Durability
- Meets AAMA 2603-98 Specifications

### Additional Color Options

- A Variety of Textured and Performance Enhanced Powder Coat Paint Systems
- Custom Color Matching
- 50% and 70% KYNAR® Paint Systems to Meet Stringent AAMA 2604-98 and 2605-98 Commercial Specifications
- All Paint Systems Will Be Applied Over State-of-the-Art Chromate Pre-Treatment



- 2-3/8" and 4" (60.3 and 101.6 mm) Square Posts Available
- Seven Standard Powder Paint Colors Available (Custom Colors and Raw Chromate Also Available)



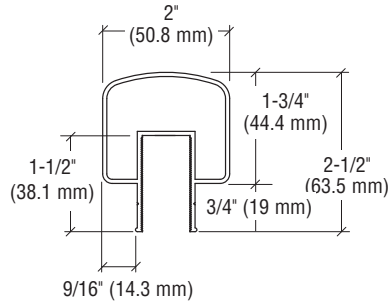
#### Standard Colors

Colors shown are representative only, and may vary slightly from actual gloss, color, and texture. If color match is critical, please contact Technical Sales for additional information.

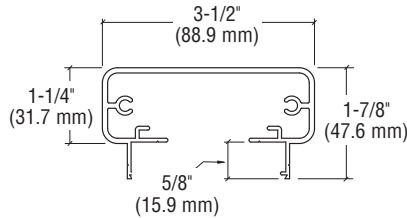
KYNAR® is a registered trademark of Autofina Chemicals, Inc.

## CRL ARS Aluminum Top Rail Options

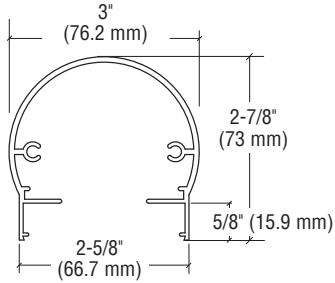
- Five Distinct Shapes to Accommodate the Aesthetics of the Surrounding Architecture
- All Available in Our Seven Standard Powder Paint Colors, Plus Custom Colors and Raw Chromate



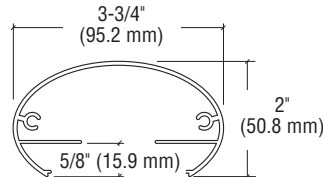
**100 Series Top Rail**



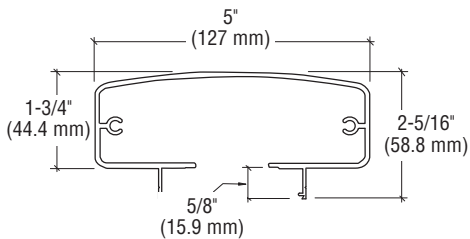
**200 Series Top Rail**



**300 Series Top Rail**



**350 Series Top Rail**



**400 Series Top Rail**



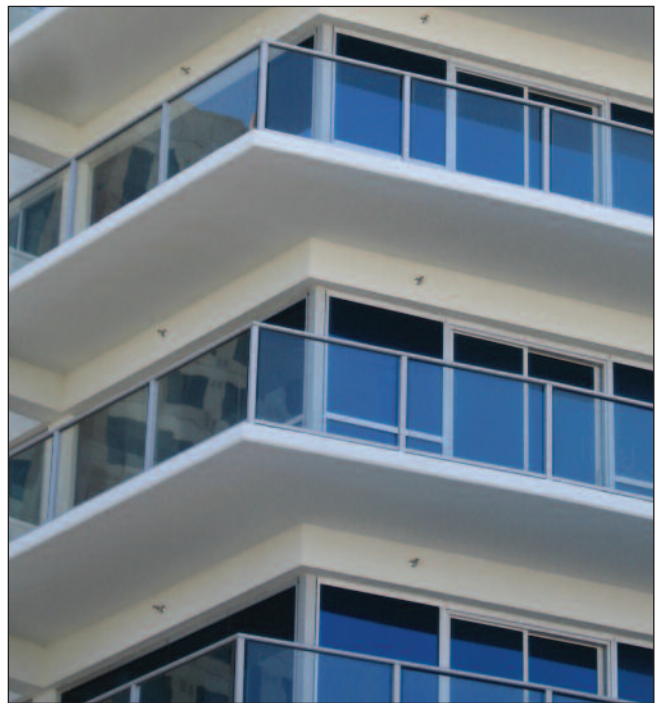
ARS 100 Series Aluminum Railing System With Pickets



ARS 200 Series Aluminum Railing System With Cable Infill and Fascia Mounts



ARS 200 Series Aluminum Railing System With Glass Infill



ARS 350 Series Aluminum Railing System With Glass Infill



## CRL ARS Picket and Glass Gate Systems



- Many Styles of Picket or Glass Gates in Seven Standard Finishes, Plus Custom Finishes for Passageways, Driveways, and Doors

Gates and Gate Systems are an integral part of most commercial, multi-family, and residential projects. Your choice of gate designs range from the basic swing gate to the most customized automatic or manual gate you can create. CRL Gates can accommodate standard, electronic or remotely operated locksets, as well as a variety of opening mechanisms.

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. 7730. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Railing Products.

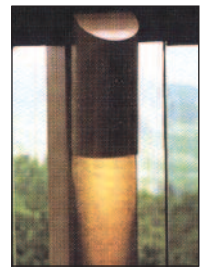


## CRL ARS Post and Rail Lighting Systems

- Lights Available in White, Various Colors, and Changing Colors for Posts and Rails

Lighting paths for evening walks are very popular. They not only add to the safety element, but also improve the aesthetics of the surroundings. With all the improvements in lighting sources and types available, we can provide almost limitless options for just the right lighting system for any project.

For more information on our ARS Post and Rail Lighting System, 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. 7730. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Railing Products.

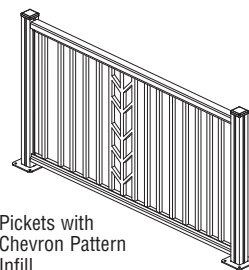


## CRL Cast Infill Panels

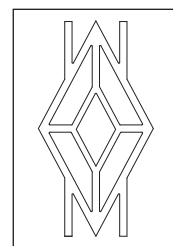
- Stock Panels Available in Seven Finishes
- Custom Units and Finishes Also Available

Our Cast Infill Panels create a unique architectural accent. C.R. Laurence stocks two styles of Cast Infill Panels for residential or commercial applications. They can be integrated into panels with round or square pickets for a unique design accent for our Aluminum Railings.

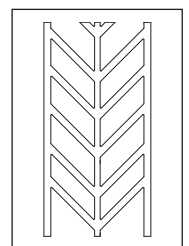
For more information on our Cast Infill Panels, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7730. You can also e-mail us through our web site at [crlaurence.com](http://crlaurence.com). From the home page click on Contact Us, and then click on Technical Sales for Railing Products.



Pickets with Chevron Pattern Infill



Diamond Pattern



Chevron Pattern



## CRL AWS Aluminum Windscreen Systems

- **Accepts 1/4" to 1/2" (6 to 12 mm) Thick Glass for the Creation of Attractive and Functional Glass Barriers**



The AWS Aluminum Windscreen System was developed to provide an attractive, maintenance-free glass wall that will enhance any residential or commercial application. All AWS Systems can be used in conjunction with a concrete slab, block wall or individual footings. If our stock components do not fit your application, allow us to design a system that can. CRL has the ability to design, engineer and fabricate a custom system that will satisfy not only your need for safety and security, but also your artistic tastes.

**Visual Appeal** – The property owner will love the clean look of this wall and the virtually unobstructed view it provides.

**Noise Reduction** – The AWS System is superbly suited as a sound wall along busy streets and highways. Our system provides a much higher sound transmission rating than conventional fencing.

**Maintenance** – The AWS System is low maintenance. All components are specially coated to prevent corrosion and ensure that the property owner will be satisfied for many years.

**Flexibility** – The AWS System adapts to a wide variety of terrain and wall designs. It can easily handle slopes, steps, and curves. In addition, the system is ideal for pool areas, decks, and balcony applications.

**Lead Time** – We carry 36" (914 mm), 48" (1219 mm), 60" (1524 mm), and 72" (1829 mm) posts in stock, allowing CRL to respond almost instantly to your needs. This system can be installed during almost any phase of construction, allowing the builder or contractor important scheduling flexibility.

**Integrity** – The AWS System has been designed to provide a safe, transparent fence during high wind conditions. All glass installed must be fully tempered to meet all safety requirements and building codes.



**Price** – Because of this efficient design, our system is priced very competitively to other less attractive alternatives, such as wrought iron or wood fencing.





## CRL AWS Aluminum Windscreen Systems



- Available in 3" Round, 2" x 2-5/8" Rectangular, and 4" Square Post Styles

Unlike other glass wind wall systems, the AWS Aluminum Windscreen System keeps all aluminum out of contact with concrete. The lime in concrete is very corrosive to aluminum, and over time will degrade the physical properties of the components. The AWS System utilizes a painted steel embedment that supports the vertical post and eliminates the possibility of damaging corrosion.

An added benefit of the steel embed is that the contractor can install the steel components early in the construction process, then install the painted aluminum post later when the chances of damage by the other tradesmen are greatly reduced. These are strong attributes of the AWS System, and have a real value to the builder and property owner.

Another benefit of the AWS System is the fact that it was designed to be a wind wall system that is very aesthetically pleasing. Because of the great design and the interaction with the steel insert, AWS has enhanced structural properties. Our system allows for increased height and span abilities. The AWS design also solved the problem of glazing vinyl shrinking and falling out over time, creating liabilities for all parties involved. The AWS glazing channel is a one-piece co-extrusion that cannot fall out once the glass is installed. This glazing channel is faster and easier to install than typical glazing beads, and simplifies the glass installation.

For more information, contact CRL Railing Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7730. Or you can send e-mail from the home page of [crlaurence.com](http://crlaurence.com). Click on Contact Us, and then click on Technical Sales for Railing Products.



AWS Custom Aluminum Windscreen System Powder Coated With Fascia Mounts



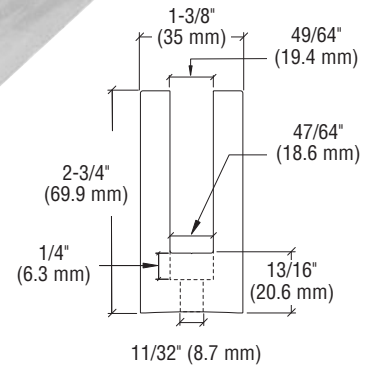
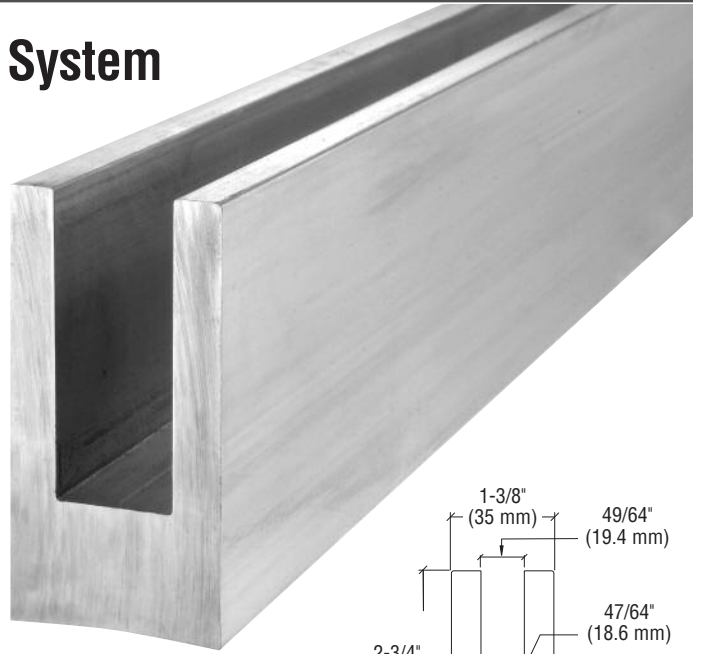
AWS Custom Aluminum Windscreen System With Fascia Mounts



AWS Custom Aluminum Windscreen Gate With Sidelite Panel

## CRL Frameless Glass Windscreen System

- Great for Glass Windbreaks, Pool Enclosures, Perimeter Fencing, Sound Barriers, Balcony Windbreaks, and Other Applications That are View Oriented
- Unique Designs That Allow Completely Unobstructed Views
- Installation is Now Easier and Faster Than Ever Before Using the CRL TAPER-LOC™ Dry Glazed System
- We Have Everything You Need for a Successful Installation, From the Base Shoe On Up, All You Add is the Glass
- Custom Fabrication is Also Available to Meet Your Specifications



The CRL FWS Frameless Windscreen System was developed to provide an attractive and functional, maintenance-free windscreen with full vision appeal for any commercial or residential application.

Using CRL W5B Series Heavy Aluminum Base Shoe and CRL's exclusive TAPER-LOC™ Taper Sets you can construct steady and secure glass windscreens that offer wind and noise reduction without detracting from the view. The TAPER-LOC™ System is the most advanced glazing system for glass railings and windscreens. See pages Z750 to Z751 for complete details on this innovative and award-winning system.

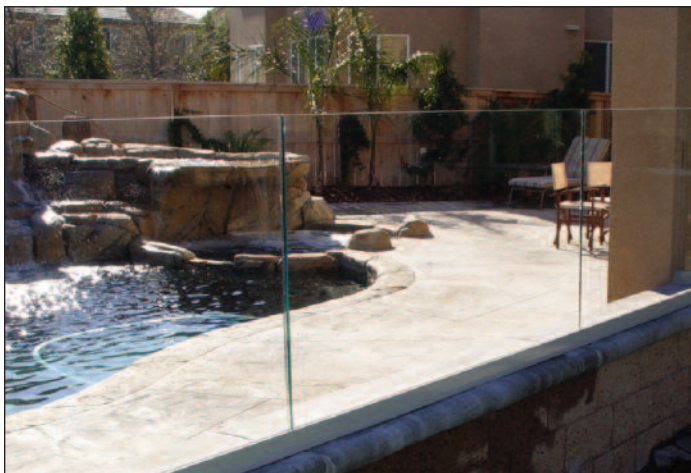
FWS Windscreens can be mounted to a concrete slab, block wall or steel substrate standard and support a wide range of panel thicknesses for monolithic tempered and laminated tempered glass applications. And if our stock components do not fit your application, allow CRL to design and engineer a system that can. CRL has the ability to fabricate a custom system that will satisfy not only your needs for safety and security, but also your artistic tastes.

For more information, contact CRL Railing Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from anywhere in Canada, or (323) 588-1281 International. Ask for Ext. 7730. You can also send e-mail from the home page of [crlaurence.com](http://crlaurence.com). Click on Contact Us, and then click on Technical Sales for Railing Products.



**CAT. NO. TL3W10**

TAPER-LOC™ Taper Set for 3/8" (10 mm) Monolithic Tempered Glass



**NOTE:** The Frameless Windscreen System is Not Designed for Guard Rail Applications. Always Check Local Codes Before Beginning Any Project.



# CRL Frameless Windscreen Clamps (Also Known As Spiggots)



- **Stainless Steel Clamps Give the 'All-Glass' Frameless Look to Wind Breaks or Pool Surrounds**
- **For 12 mm (1/2") Tempered Glass**
- **New Surface Mount Models Now Available in Both Brushed and Polished Finishes**



Garnish Rings for Windscreen Clamps are available. Visit [crlaurence.com](http://crlaurence.com) for more information.

CRL Frameless Windscreen Clamps are typically used to create a tempered glass windscreen or pool surround with minimal distractions from vertical or horizontal frame members. Four styles are designed for insertion in core-drilled holes in a concrete deck, which are then filled with expanding cement. There is also a Windscreen Clamp designed to be mounted on the face of a wall or planter box. And now you can select one of our new Surface Mount Models. Custom powder-painted finishes are also available.

**NOTE:** CRL is an international supplier, and suggests you check local building codes to confirm these Frameless Windscreen Clamps meet local regulations.

## One-Piece Core Mount Clamp

- **1-3/16" (30 mm) Rod Easily Inserts Into Core-Drilled Hole**



CRL One-Piece Clamps are designed for insertion in core-drilled holes in a deck or on top of a wall. Glass fabrication requires two 3/4" (19 mm) holes per Clamp. Height: 9-13/16" (250 mm).

CAT. NO.	FINISH
<b>AFWC1</b>	Brushed Stainless Steel
<b>AFWC6</b>	Polished Stainless Steel

## One-Piece Beveled Surface Mount Clamp

- **Easy to Install Surface Mount Design**

**new**

CRL One-Piece Surface Mount Clamps are designed for easy surface mount installation around pool decks and patios. Glass fabrication requires two 3/4" (19 mm) holes per Clamp. Height: 9-11/16" (246 mm).



CAT. NO.	FINISH
<b>AFWC1SBS</b>	Brushed Stainless Steel
<b>AFWC1SPS</b>	Polished Stainless Steel

## Two-Piece Core Mount Round Clamp

- **Duplex 2205 Grade Stainless**

Duplex 2205 is a more corrosive-resistant, higher grade of stainless steel than #316. It is ideally suited for areas within one mile of saltwater environments due to higher chromium content. Glass fabrication requires one 3/4" (19 mm) hole per Clamp. Height: 9-1/16" (230 mm).



CAT. NO.	FINISH
<b>AFWC4</b>	Brushed Stainless Steel

## Three-Piece Core Mount Clamp

- **5/8" (16 mm) Rod Easily Inserts Into Core-Drilled Hole**

CRL Three-Piece Clamps are designed for insertion in core-drilled holes in a deck or on top of a wall. Glass fabrication requires two 3/4" (19 mm) holes per Clamp. Height: 8-1/8" (206 mm).



CAT. NO.	FINISH
<b>AFWC3</b>	Brushed Stainless Steel
<b>AFWC8</b>	Polished Stainless Steel

## One-Piece Low Profile Surface Mount Clamp

- **Easy to Install Surface Mount Design**

**new**

CRL One-Piece Surface Mount Clamps are designed for easy surface mount installation around pool decks and patios. Glass fabrication requires two 3/4" (19 mm) holes per Clamp. Height: 7-1/16" (179 mm).



CAT. NO.	FINISH
<b>AFWC4SBS</b>	Brushed Stainless Steel
<b>AFWC4SPS</b>	Polished Stainless Steel

## Three-Piece Core Mount Clamp

- **Duplex 2205 Grade Stainless**

Duplex 2205 is a more corrosive-resistant, higher grade of stainless steel than #316. It is ideally suited for areas within one mile of saltwater environments due to higher chromium content. Glass fabrication requires two 3/4" (19 mm) holes per Clamp. Height: 8-5/8" (220 mm).



CAT. NO.	FINISH
<b>DFWC3</b>	Brushed Stainless Steel

## Two-Piece Side Mount Clamp

- **Mounts on Face of Wall or Planter Box**

CRL Two-Piece Clamps are designed for attachment to the front side of walls or planter boxes. Glass fabrication requires two 3/4" (19 mm) holes per Clamp. Height: 5-5/8" (143 mm).



CAT. NO.	FINISH
<b>AFWC2</b>	Brushed Stainless Steel
<b>AFWC7</b>	Polished Stainless Steel

Minimum order: 1 each. All Windscreen Clamps can be combined for quantity pricing.





CAT. NO. TH10

## CRL Transaction and Security Hardware Catalog

- Service Windows
- Ticket and Cashier Windows
- Mail Slots and Package Receivers
- Deal Trays and Shelves
- Speak-Thru Devices
- Electronic Communicators
- Transaction Drawers
- Bullet Resistant Windows
- Safety and Security Mirrors

The CRL Transaction and Security Hardware Catalog features a complete selection of products for the secure transfer of cash and merchandise, as well as an array of builders hardware lines for entryways and exits.

The TH10 gives you a comprehensive view of our Deluxe and Standard Service Windows, Ticket and Cashier Windows, Drive-Thru Serving Windows, Pass-Thru Track Hardware, Bullet Resistant Windows and Barrier Systems, Speak-Thru Devices and Electronic Communicators, Mails Slots and Package Receivers, Commercial Door Handles, Security Locking Hardware, Access Control Devices, Safety and Security Mirrors, and Bulletin Board Cases.

We also offer an overview of our Architectural Hardware lines, with many installation images that you can show your customers to inspire design ideas.







## CRL Service Windows

- Manual, Semi-Automatic, and Fully Automatic in a Variety of Configurations and Finishes
- Each Unit Custom Fabricated to Meet Your Needs
- Shelf, Lock, and Glazing Options



Manual Deluxe Sliding Windows



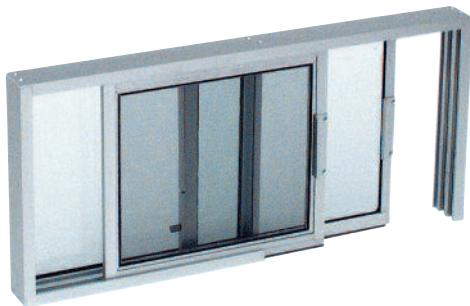
Self-Closing Deluxe Sliding Service Window



All Electric Fully Automatic Deluxe Sliding Service Window



Horizontal Sliding Service Windows



Vertical Sliding Service Windows



Projected and Flush Mount Manual and Semi-Automatic Bi-Fold Windows

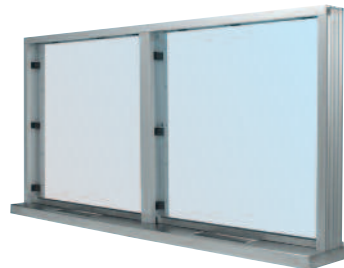


## CRL Bullet Resistant Windows and Doors

- Stock and Custom Fabricated Units for Interior or Exterior Installation
- Aluminum, Steel, and Stainless Steel Frames
- Level 1, 2, or 3 Protection Options



Aluminum Inset Frame Bullet Resistant Windows



Multi-Lite Stainless Steel Bullet Resistant Windows



Bullet Resistant Sliding Windows



Stainless Steel Frame Night Service Windows



Combination Bullet Resistant Exchange Windows



Steel Frame Bullet Resistant Door With Bullet Resistant Vision Lite

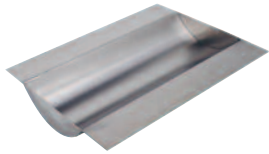




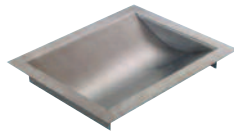


## CRL Deal Trays, Transaction Drawers, and Package Receivers

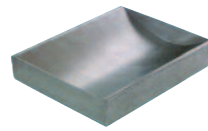
- The Largest Selection of Quality Made Transaction Devices
- Only CRL Gives You This Many Choices



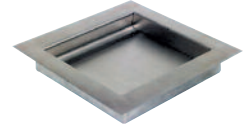
Deluxe Drop In Deal Tray



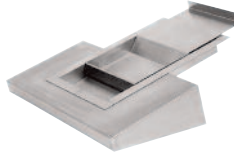
Drop In Deal Tray



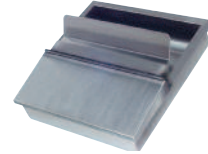
Counter Top Deal Tray



Bullet Resistant Deal Tray



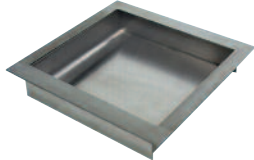
Sliding Deal Tray With Shelf



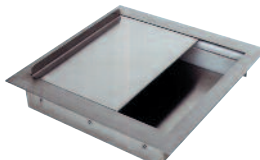
Recessed Deal Tray With Lid



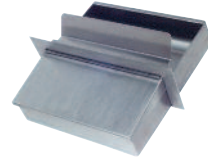
Stainless Shelf With Deal Tray



Deep Deal Tray



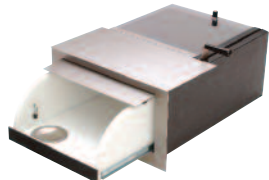
Deep Deal Tray With Lid



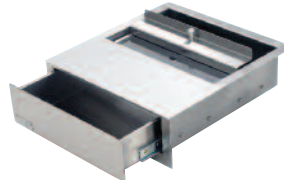
Counter Top Deal Tray With Lid



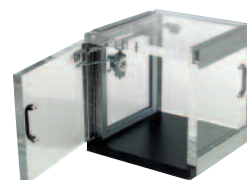
Stainless Shelf



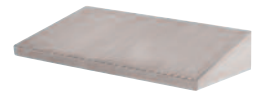
Large Transaction Drawer



Deal Drawer



Clear Package Receiver



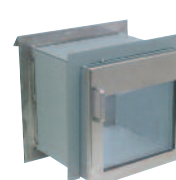
Stainless Purse Shelf



Transaction and Cash Box Drawer



Deep Transaction Drawer



Package Receiver



Sliding Deal Tray and Pass-Thru Bin



Pass-Thru Hopper



Rotary Server



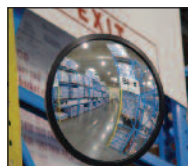
Rotating Drum Window

## CRL Security Solutions for Commercial and Institutional Facilities

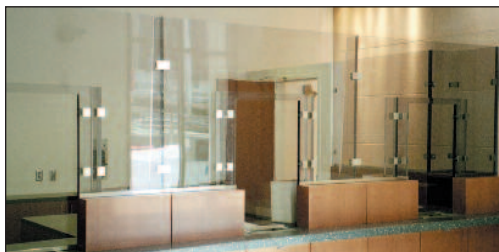
- We Bring You the Largest Selection in the Industry
- Off the Shelf Stock Sizes or Custom Fabricated to Your Requirements



Glass Convex Security Mirrors



Plexiglas Security Mirrors



Bullet Resistant Barrier Systems



Center Locks



Lever Locksets



Deadbolt Handles



Locking Ladder Pull Handles



## CRL Electronic Communicators and Speak-Thru Devices

- **Electronic Thru-Glass and Counter Top Communicators**
- **Bullet Resistant Clear-Vision and Stainless Steel Speak-Thrus**
- **No-Draft and Covered Speak-Thrus**

CRL makes available a complete range of window and counter-mounted communication devices for standard and bullet resistant service windows. Our Electronic Communicators are of the kind that you'll find at theater and stadium box offices, pharmacies, and service stations. They are easy to install, and provide clear voice and sound transmission. We also offer bullet resistant Speak-Thrus with Level 2 or Level 3 protection against projectiles while being completely self-contained and maintenance free. And we carry traditional No-Draft Speak-Thrus for installations where bullet resistant glazing is not required. The complete range is supported by CRL Transaction Technical Sales, who can offer you selection and installation assistance for all of your speak-thru needs.



### ELECTRONIC COMMUNICATORS



Thru-Glass Communicators

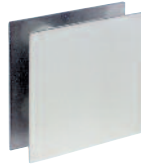


Counter Top Communicators

### BULLET RESISTANT SPEAK-THRUS



Round Bullet Resistant Speak-Thru



Square Bullet Resistant Speak-Thru



Clear Vision Bullet Resistant Speak-Thru

### NO-DRAFT SPEAK-THRUS



Stainless Steel Speak-Thru



Aluminum Speak-Thru

## For Expert Technical Assistance With Your Transaction Projects, Ask for Extension 7760

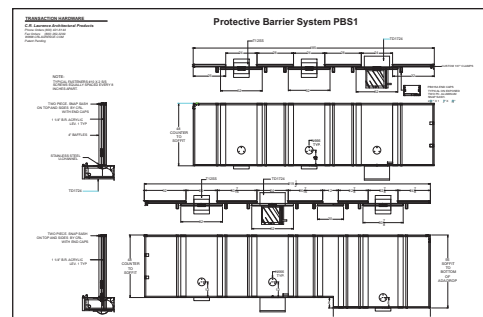
The CRL Transaction Technical Sales Department is a full time staff trained in the proper design and installation of our Transaction Hardware products. We work with architects and designers to create "solutions" specifically built to meet their needs. The latest computer assisted design technology is used to join quality materials and our experience in manufacturing with your ideas to give you what you want.

If our wide variety of standard size products won't fit your needs exactly, CRL can custom build to your specifications. Our manufacturing facility has a staff of engineers who will design a product that you can install with full confidence that it will meet your customer's needs in terms of performance and aesthetics.

Call (800) 421-6144 from anywhere in the U.S.  
 Call (877) 421-6144 from anywhere in Canada  
 Call (323) 588-1281 from outside the U.S. and Canada  
 Ask for **Extension 7760**  
 Direct Fax (800) 458-7496  
 Direct e-mail [transaction@crlaurence.com](mailto:transaction@crlaurence.com)



From initial discussion



Through planning and design





CAT. NO. HS07

## CRL Hospitality and Service Hardware Catalog

- Partition Posts and Booth Dividers
- Food Service Sneeze Guards
- Tray Slide Hardware
- Menu Boards
- Standoffs and Glass Connectors

C.R. Laurence offers a full line of products for use in the Food Service Industry – Self-Service Buffet and Cafeteria Posts, Sneeze Guards, Booth Partition Posts, Tray Slide Shelves, Foot Rails, and Heavy-Duty Area Separation Posts. We also feature Menu Boards, and our full line of Standoff Hardware for use in creating visually appealing platforms for mounting graphic art and menus.

To give you a thorough review of the selection we offer our HS07 Hospitality and Service Hardware Catalog. This full-color publication is a complete reference guide to our extensive product line, with helpful details that will make quoting and ordering these products a simple and efficient process. The HS07 is available for ordering, viewing online, or download at [crlaurence.com](http://crlaurence.com).





## CRL Tubular Partition Posts

- Available in Square and Round Profiles
- Many Architectural Finishes Available
- Designer Cap and Base Options
- Several Glass Attachment Choices
- Glass Thickness Choices
- Stock Sizes for Immediate Shipment
- Custom Sizes in 3 to 10 Working Days



You can specify CRL Tubular Partition Posts in a large variety of diameters, post styles, glass thicknesses, and attachment type options. Best of all, your choice of finishes is almost unlimited. Custom fabricated or in component parts you assemble yourself, we have just what you need for any Partition Post job.

## CRL Sneeze Guards

- Available in 1-1/2" (38.1 mm) and 2" (50.8 mm) Diameters
- Polished Brass, Polished or Brushed Stainless Steel, and Powder Coat Paint Finishes
- Different Base Options
- Glass Attachment Choices
- Glass Thickness Choices
- Stock Sizes for Immediate Shipment
- Custom Sizes in 7 to 10 Working Days



Our Sneeze Guards for food service counters and tables are offered in over 200 different designs. They go from the simple angled front configuration to wall mount, ceiling mount or free standing configurations. All are made up from component parts or welded assemblies in a variety of finishes. They can be manufactured to conform to National Standards or to the customer's specifications.

## CRL is Your Source for Hospitality Hardware

- Booth Dividers and Heavy Glass Partitions
- Tray Slide Hardware
- Service and Foot Rails for Bars
- Menu and Display Boards
- Standoffs and Glass Connectors

We can outfit food service areas with attractive hardware that will add to the comfort and safety of the business. Contact CRL Hospitality Technical Sales with your "want list" and we will aid in the design and ordering process.



## CRL Technical Assistance

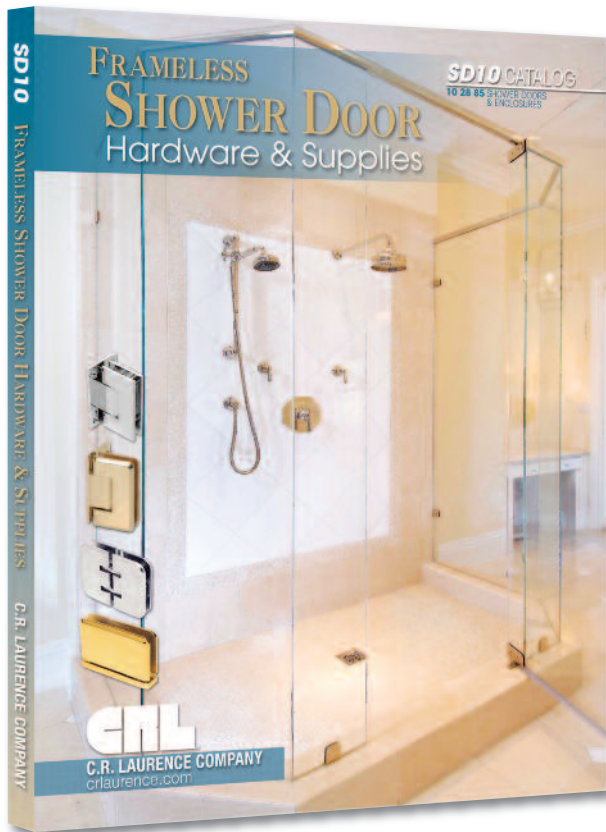
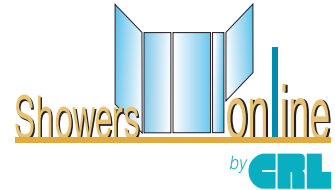
- Engineering and Technical Support
- Auto Cad and Shop Drawings
- Installation Advice

Let CRL's Hospitality 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. 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.



## CRL Frameless Shower Door Hardware & Supplies Catalog

- Beautiful Architectural Finishes
- Unequaled Selection
- Huge Inventories
- Innovative Solutions
- Online Services



CAT. NO. SD10

C.R. Laurence offers the largest variety of Frameless Shower Door Hardware in the glass industry. Our initial offering of the basic Wall Mount Hinge in just two finishes has evolved over the years to over 25 series of Shower Door Hinges in various configurations and beautiful finishes, plus Door Pulls and Knobs, Towel Bars, Glass Clamps, Headers, U-Channels, Thresholds, Frameless Door Kits, Wipes and Seals, Sliding Shower Door Kits, Bathroom Mirrors, and Decorator Accessories.

Reacting to the "wish list" of designers and installers has brought about many of the new products that are now part of our extensive selection. Unsurpassed quality combined with technical expertise, full inventories, and the willingness to listen has contributed to create our complete package of quality hardware backed by excellent service.

You can see all of this in our Frameless Shower Door Hardware & Supplies Catalog. Copies are available for order, viewing or download online at our web site, [crlaurence.com](http://crlaurence.com).

## CRL Shower Door Flyers



CAT. NO. FF4SD

- Full Color Flyers Can Be Used to Advertise That You Are in the Frameless Shower Door Business
- Perfect for Mailings or to Hand Out at Trade Shows
- Blank Space on Rear Cover for Your Company Information
- Comes With Clear Counter Top Display and 50 Full Color Flyers

A great way to show potential customers the beauty of a frameless shower for their home is with this full color flyer. Full of design ideas and photos of finished installations, it's sure to catch their attention. There's even a space on the back for you to insert your company's name, phone number, etc. 50 Flyers come in a clear counter top display.



## Craftsmanship and Aesthetics Result In Quality Installations

- "Hands-On" Quality Control
- Inspection and Testing
- Quality Materials in Beautiful Finishes

Our quality control process is based on a "hands-on" approach to assembly, inspection, and testing. This assures you of a finished product that will remain beautiful, and function properly, for years to come.

Quality materials are an important part of the difference. We use solid brass or stainless steel so durability is never in question. Unlike lesser grade hardware made of cast and plated metals, our Hinges, Pulls, Knobs, Towel Bars, and Glass Clamps run little risk of degradation or discoloration found in inferior brands.

We are proud of our products, and back them in full confidence that you will enjoy them for a long time. The combination of craftsmanship and aesthetics is unsurpassed, and will enhance the design and performance of frameless shower enclosures.



## Hardware Finishes • Beauty and Variety

All CRL Frameless Shower Door Hardware has consistent finishes that reflect the "hands-on" manufacturing processes used in its production. It will instantly add a look of quality to the appearance of your enclosure and, with proper care and cleaning, will remain beautiful for years to come. CRL Frameless Shower Door Hardware is available in a variety of beautiful finishes to enhance the décor of the surrounding environs.

There are bright mirror-like finishes that sparkle, antique and high-tech finishes, brushed finishes for 'soft' décors, and painted finishes for enclosures that go beyond the conventional. And if we don't have a stock finish that is to your liking we can produce virtually any finish that is compatible to the brass, stainless steel, or aluminum constructed hardware.



## Technical and Design Assistance

Modern shower and bath enclosures start with an idea, or vision, of an elegant and functional bathing environment that will add beauty and value to a home. Transforming the idea to reality requires not only quality hardware, but also a design or plans to integrate the new enclosure into the existing surroundings.

We offer help in two critical areas of shower enclosure construction. First, the design must be evaluated. Will it fit the existing area, or will extensive modifications be required? We can review your plan design to evaluate its suitability for the intended installation. Second, the hardware must be compatible with the intended glazing and layout. Recommendations as to which hinges and accessories will be compatible to a functional design will be offered. We will help you choose the hardware that brings out the very best in your design plans. All of this is part of our effort to bring you not only the best products, but also top-level service to match.





## CRL Frameless Shower Door Hinges

- Wall Mount, Glass-To-Glass, Top and Bottom Pivot, Adjustable, and More
- Over 25 Styles With Various Shapes and Designs to Accentuate Virtually Any Installation
- Sizes to Fit Glass From 1/4" to 1/2" (6 to 12 mm) Thick
- Over 20 Beautiful Stock Finishes in Many Models, With Custom Finishes Available for Those Special Jobs

With so many styles to choose from we're sure you will find the right CRL Hinge to suit the design plans of just about any decorator. CRL Hinges are known for their quality and their functionality, and our variety is larger than ever before.

Whether you're doing a simple single panel swinging door, or a large multi-lite enclosure, there's sure to be a CRL Hinge that will be just right for the project.

The best way to see them all is in our SD10 Frameless Shower Door Hardware & Supplies Catalog, or through the Online Catalog at [crlaurence.com](http://crlaurence.com). All of the styles and finishes, as well as helpful technical data, can be found when you use these valuable resources.



GENEVA



PINNACLE



VIENNA



COLOGNE



ROMAN



ULTIMATE



PRIMA



CARDIFF



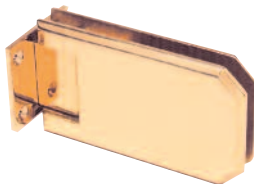
ESTATE



CONCORD



CATHEDRAL



ELITE



RONDO



SHELL



BILOBA



ATLAS



MADRID



ZURICH



CLASSIQUE



GRANDE



ARCTIC



REGAL



SYDNEY



BERLIN



TRIANON



MILANO



PETITE



MONACO

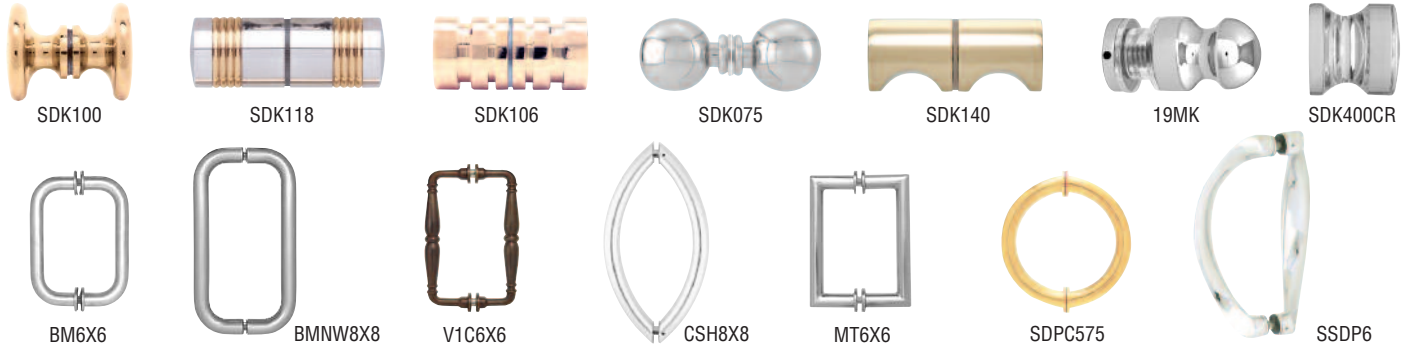
# CRL FRAMELESS SHOWER DOOR HARDWARE

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Frameless Shower Door Pull Handles and Knobs

- Numerous Styles, Designs, and Sizes in Finishes to Complement and Accent Surrounding Hardware
- Thru-Glass and UV Glue-On Models

Every shower door needs a handle or knob to assist with the opening and closing, and our selection is second to none. These Pull Handles and Knobs benefit from the same quality control that goes into our Hinges, and the selection of beautiful finishes is unmatched. Custom designs and finishes are also available when you need something special.



## CRL Towel Bars and Grab Bars

- Stock Sizes Range From 12" to 30" (305 to 762 mm)
- Single-Sided and Back-To-Back Models

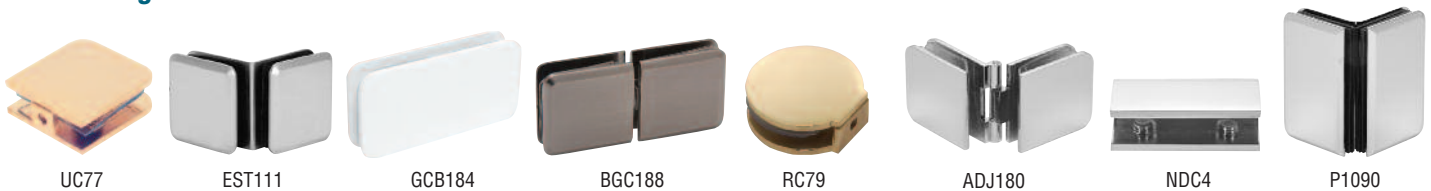
Our Towel Bars and Grab Bars offer practicality without sacrificing style. They come in beautiful finishes to match our Hinges and Pull Handles. Custom sizes and finishes are available as well to suit your requirements.



## CRL Glass Clamps

- Wall Mount, Glass-To-Glass, and Glass Transom Models in Finishes and Styles to Complement Our Hinge and Handle Hardware

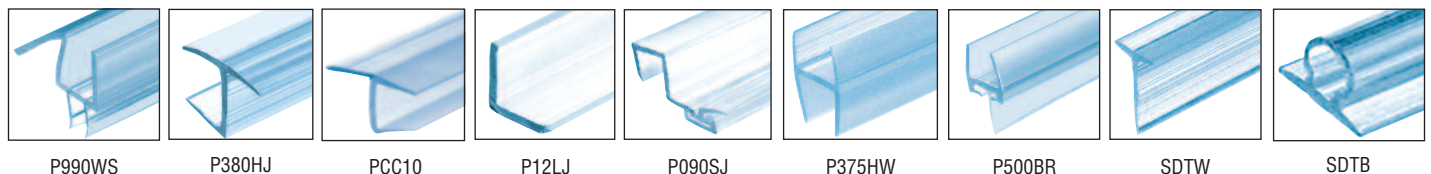
A popular method of securing glass panels in enclosures while minimizing the appearance of hardware is through the use of Glass Clamps. We offer the largest variety of brass constructed, beautifully finished clamps to accommodate glass from 1/4" to 1/2" (6 to 12 mm) thick.



## CRL Polycarbonates, Vinyl Seals, and Edge Wipes

- Minimize Water Escape Without Detracting From the 'All-Glass' Appearance
- Simple Snap-On or Tape-On Installation

CRL Polycarbonates, Vinyl Seals, and Edge Wipes help to minimize the escape of water from an enclosure. Their clear composition keeps them from detracting from the 'all-glass' appearance. Simple snap-on and tape-on installation takes only seconds, yet the protection they offer to your customer's flooring will be long lasting.



# CRL FRAMELESS SHOWER DOOR HARDWARE

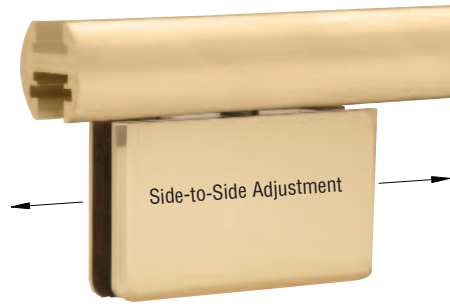
For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL EZ-Adjust Shower Door Header Kit

**new**

- Allows Side-to-Side Adjustment of Hinge After Installation

The New EZ-Adjust Shower Door Header gives you the ability to move the Hinge left and right as required after installation for a perfect fit. Kits are stocked in up to eight popular finishes. A choice of 98" and 144" (2.49 and 3.66 m) stock lengths allow the user to cut as desired. A Snap-in Filler Insert for the door pocket, Wall Mounting Brackets, and Clear Glazing Vinyl round out the Kit. Get full details on page S700 of the SD10 Catalog.



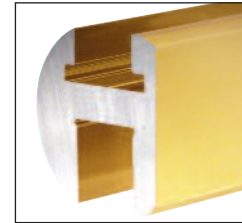
Works with PPH06 EZ-Adjust Prima Hinge (Not Included)



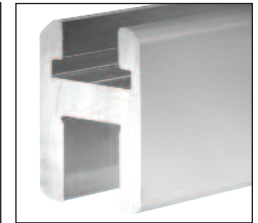
## CRL Deluxe Shower Door Header Kits

- For 5/16", 3/8", and 1/2" (8, 10, and 12 mm) Glass
- Available in Up to Seventeen Beautiful Finishes

The Deluxe Header Kit will provide additional support and a level of safety while securing glass panels not reaching the ceiling. Both brass and aluminum type Wall Brackets are included in each Kit to give installers a choice. The Header Extrusion has a narrow 1-1/4" (32 mm) face to minimize the visible sight line. The Flat/Round Header can be reversed to expose either face. Header is constructed of 6063-T5 Aluminum Alloy. See full details and a list of finishes in the SD10 Catalog.



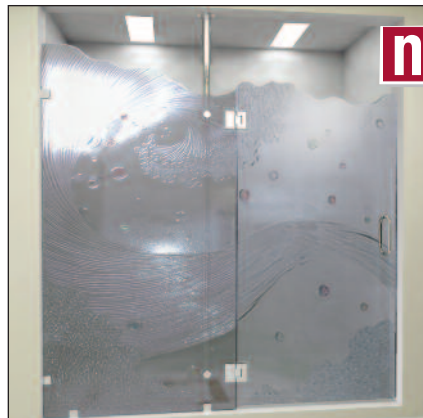
SDH Series  
Flat/Round Profile



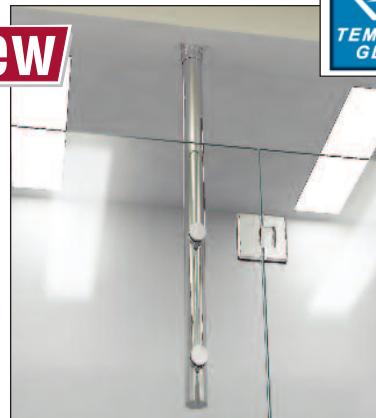
SQH Series  
Flat/Flat Profile

Standard Kits come in lengths of 66" (1.67 m), 98" (2.49 m) or 144" (3.66 m) with accessories.

## CRL Frameless Vertical Post System



VPK92 Series  
Floor-to-Ceiling Mount System



VPK33 Series  
Two-Point Ceiling Mount System



- This Innovative Alternative to Traditional Horizontal Header Systems Can Be Used With 5/16", 3/8", and 1/2" (8, 10, and 12 mm) Glass

- Available in Four Popular Stock Finishes

CRL offers two styles of our new Frameless Vertical Post System. They are used to stabilize fixed panels of glass not reaching the ceiling, and provide an excellent alternative to customers not wanting to use the more traditional horizontal Header Systems that run across the entire width of the enclosure. An especially attractive look is when patterned glass with decorative, rippled top edges is used, since a Header System cannot be applied as a crown to the glass. Two stock systems are offered, the Floor-to-Ceiling Mount System and the Two-Point Ceiling Mount System for behind-the-glass installation. Complete mounting details and installation instructions can be seen at [crlaurence.com](http://crlaurence.com).

## CRL Glass Clamps

- Three New Models

See full details and a list of finishes for our newest Glass Clamps in the SD10 Catalog.



Model NDC4 No-Drill Fixed Panel Clamp for 5/16" to 3/8" (8 to 10 mm) Glass. Also Model NDC6 for 1/4" (6 mm) Glass.



Models ADJ037 and ADJ180 Adjustable Clamps for 5/16" to 1/2" (8 to 12 mm) Glass.



Model RC79 Round Fixed Panel Clamp for 5/16" to 1/2" (8 to 12 mm) Glass.



C.R. LAURENCE COMPANY

2780 |

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[crlaurence.com](http://crlaurence.com)

[crlaurence.de](http://crlaurence.de)



# CRL FRAMELESS SHOWER DOOR HARDWARE

For Pricing Visit Our Web Site or Call Us Toll Free at the Phone Numbers Shown on the Back Cover

## CRL Hydroslide Sliding Shower Door Kits

- An Excellent Design for Compact Areas
- Clean, Sleek Lines in Four Finishes
- For 5/16" to 3/8" (8 to 10 mm) Glass

Hydroslide Sliding Shower Door Kits feature the latest European 'all-glass' look, and are designed for full standing showers or above bathtubs. The Hydroslide System can accommodate a wide range of shower designs with fixed glass panels on either end, or both sides at 90 or 180 degrees. The Hydroslide System also accommodates the option of floor-to-near-ceiling glass panels with a sliding door.

Kits are available in either 60" (1.52 m) or 84" (2.13 m) widths. Installers can cut the width to size, and height is optional as long as the sliding door glass weighs less than 88 pounds (40 kg). The 180 Degree Wall-to-Wall Installation only requires the 180 Degree Standard Kit for installation. 90 Degree units require the addition of our 90 Degree Accessory Kit. Finishes, specifications, and component information can be seen in our SD10 Frameless Shower Door Catalog.

Ask about our New Hydroslide Bi-Fold Hinges



180 Degree Wall-To-Wall Installation



90 Degree Wall-To-Glass Installation

**new**

## CRL Cottage Series Frameless Sliding Shower Door Kits

- Four Finishes in Up to Six Stock Sizes for 1/4" to 3/8" (6 to 10 mm) Glass
- Clear Polycarbonate or Metal Side Jamb
- Kits Come With Knob, Towel Bar, and All Hardware



CK Series With Clear Side Jamba



DK Series With Metal Side Jamba

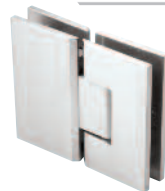
Cottage Series Sliding Shower Door Kits use Bolt-Through Top Hangers to allow immediate fabrication and installation, with no waiting for messy adhesive to dry. Kits come in Brite Anodized, Brite Gold Anodized, Brushed Nickel, and Oil Rubbed Bronze finishes, with other finishes available on special order. The top hung stock units include: Header, Top Hangers for 1/4" (6 mm) or 3/8" (10 mm) glass, Side Jamba, Bottom Sill, Back-to-Back Knob, 24" (610 mm) Towel Bar, Nylon Rollers, and Bottom Guide. Since all rollers are overhead, the bottom sill and side jamba are uncluttered, making cleaning easy. Kits are available in up to six stock sizes. Extrusions, Bottom Guides, Hardware Packages, and other accessories may be ordered separately as well. Full details are in the SD10 Catalog.

## CRL Frameless 'All-Glass' Restroom Partition System

- Stainless Steel Posts Mounted Behind Glass to Maximize Frameless Appearance
- For 1/2" (12 mm) Thick Glass Only

The new Frameless 'All-Glass' Restroom Partition System will modernize any commercial bathroom area with your choice of multiple architectural finishes. Since metal posts do not "interrupt" the glass panels, a beautiful frameless environment is attained. No field fabrication is required, ensuring easy installation. Vienna or Cologne Series Hinges are utilized for this system that is designed for use with 1/2" (12 mm) thick tempered glass (not included). Please contact our Frameless Shower Door Department or send us a drawing. We will generate a quotation and provide any further details required.

**new**



Vienna Series Hinge



Cologne Series Hinge



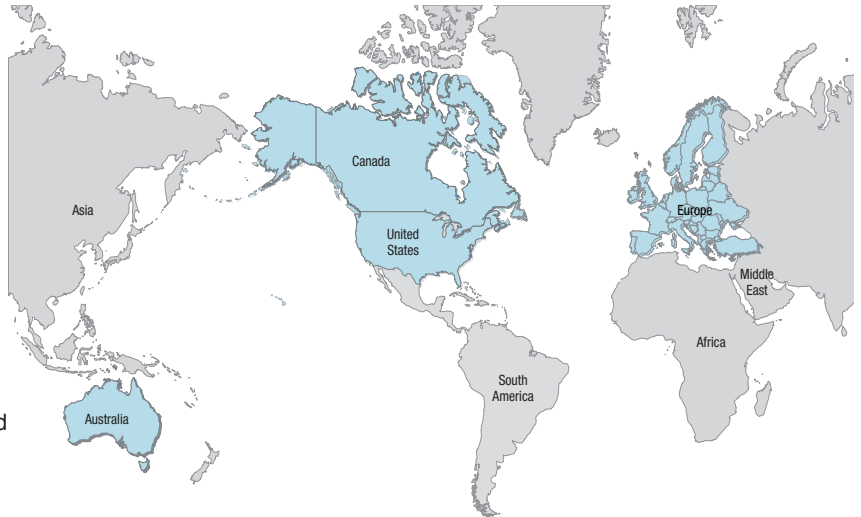


## C.R. Laurence Customer Services

### CRL Serves the World With Ever-Improving Service Capabilities From Three Continents

- 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

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 thirty years our customers have been able to call our 1-800 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 the like 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 full service web site featuring information regarding all of the products and services CRL has to offer. Customers who use [crlaurence.com](http://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 from which we do business (see next page).

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 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](http://crlaurence.com) and click on Contact Us, then click on Web Comments.

### Building A Network

To provide the ever-improving service level we strive for has meant bringing CRL to our customers. From a single Los Angeles, California location we have grown to a network of distribution warehouses in five countries on three continents.

Each of our distribution warehouses are 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 warehouse 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 warehouses 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 the [crlaurence.com](http://crlaurence.com) home page, point to General Information, and then click on About CRL. The pop-up menu will give you a selection for Distribution Locations.

And in order to provide ever-improving service the CRL network of distribution warehouses 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 locations 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.

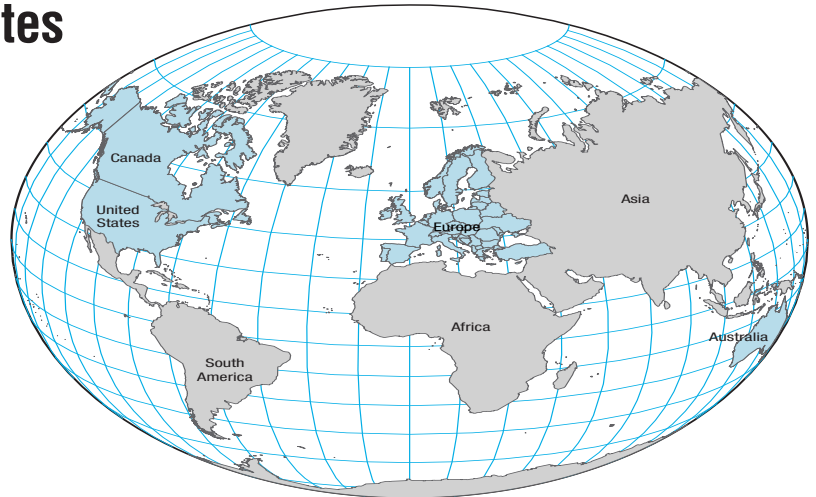
### Investing In People To Serve You

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.



## 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' Store Fronts 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 had 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](http://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 language options, and translation of our Online Catalog into many more languages. We are committed to bringing the virtual world of C.R. Laurence to the world, and making your online shopping experience at [crlaurence.com](http://crlaurence.com) pleasant and easy to understand. We want you to be comfortable with CRL, and will work hard to make that possible.

## Welcome to the C.R. Laurence Global Web Site Directory

Please select from one of these web sites to begin your visit

 <p>UNITED STATES and INTERNATIONAL <a href="http://crlaurence.com">crlaurence.com</a></p>	 <p>CANADA <a href="http://crlaurence.ca">crlaurence.ca</a></p>	 <p>EUROPE - UK <a href="http://crlaurence.co.uk">crlaurence.co.uk</a></p>	 <p>EUROPE - DE <i>Deutsche Sprache</i> <a href="http://crlaurence.de">crlaurence.de</a></p>
 <p>A Division of C.R. Laurence Co., Inc. <a href="http://somaca.com">somaca.com</a></p>	 <p>AUSTRALIA <a href="http://crlaurence.com.au">crlaurence.com.au</a></p>	 <p>A Division C.R. Laurence of Europe LTD <a href="http://ebor.co.uk">ebor.co.uk</a></p>	 <p>EUROPE <i>English Language</i> <a href="http://crlaurence.eu">crlaurence.eu</a></p>



## 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](http://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 full 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.





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](http://crlaurence.com) is a link to who we are, what we do, and what we have to offer our customers. The CRL full 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. 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 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](http://crlaurence.com).

## User's Guide to the CRL Online Catalog and Web Site Features

- [How to Create a User Name and Password](#)
- [How to Sign On and Recover Your Information](#)
- [How to Search for Products](#)
- [How to Check Prices](#)
- [How to Check Stock](#)
- [How to Place an Order](#)
- [How to Request a Quote](#)
- [How to Request Product Data](#)
- [How to Pay Your Statement Online](#)
- [How to Contact Us](#)
- [How to See What's on Sale](#)



User's Guide  
CAT. NO. UG11

The User's Guide to our web site shows you quick and easy to learn ways to locate necessary information. We've written step-by-step instructions to help you navigate through our web site and Online Catalog. Ask for your free copy with your next order, or download it from our Catalog Library!

## 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.

And 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](http://crlaurence.com) to see our latest editions.

## Master Catalog Selection

- 03 SEALANTS, ADHESIVES, AND FASTENERS
- 23 FRAMELESS SHOWER DOOR HARDWARE
- 43 AUTO GLASS TOOLS AND WINDOWS
- 53 GLASS AND GLAZING HARDWARE
- 63 ARCHITECTURAL HARDWARE
- 73 TOOLS, MACHINERY, AND EQUIPMENT
- 83 WINDOW AND DOOR REPLACEMENT HARDWARE

## Free CRL Catalogs Online

You can also view or download CRL Catalogs free of charge any time at [crlaurence.com](http://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 for, 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](http://crlaurence.com).

### CRL's Complete Selection of Catalogs

**MASTER CATALOGS**

- CRL03** Sealants and Fasteners
- CRL23** Shower Hardware
- CRL33** New Products
- CRL43** Automotive
- CRL53** Glass and Glazing
- CRL63** Architectural
- CRL73** Tools and Machinery
- CRL83** Window and Door General Supplies

**SPECIALTY CATALOGS**

- GB10** Glass Bonding
- SD10** Shower Door Hardware
- TH10** Transaction Hardware
- LP11** Commercial Door Handles
- AH11** Architectural Hardware
- AM09** Architectural Metals
- HR11** Architectural Railing
- DC07** Door Controls
- HS07** Hospitality and Service
- TV03** Automotive
- GM04** Insulated Glass Manual

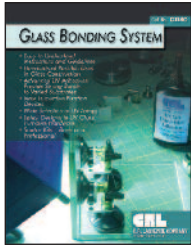
[View any catalog page by CRL page number](#)  
Catalogs in New Format

Click on any catalog's image to view, download or learn more about that catalog.



## CRL Specialty Catalogs • Full Color Catalogs Showcasing Specific Product Lines • Great for Customer Presentations

CRL Specialty Catalogs are available for some of our major product lines. Each catalog is presented in full color, and contains descriptive and informative specifications that will assist your field sales and estimating staff in the selection of the right product to satisfy your customer's needs. We invite you to contact CRL Customer Service by phone, fax, mail or e-mail. You can order them separately, or add them to your regular product orders. You can also view them over the Internet, or download them, when you log onto our web site at [crlaurence.com](http://crlaurence.com).



See the latest in UV Glass Bonding tools and accessories including UV Adhesives, Fixation Devices, Curing Lamps, and Unique Hardware. Loaded with full color photos and technical data.

ASK FOR CATALOG GB10



CRL is your source for the largest selection of Frameless Shower Door Hardware and Supplies. See it all, plus a gallery of finished installations, in this informative catalog.

ASK FOR CATALOG SD10



Our full line of Commercial Door Handles, including Ladder Pulls, Locking Ladder Pulls, Center Locks, Deadbolt, Panic, and Electronic Egress Handles. There are photos of finished projects as well as helpful technical data.

ASK FOR CATALOG LP11



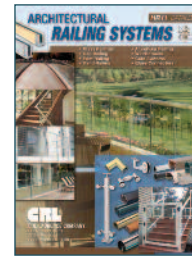
Our Architectural Hardware Catalog features our expanded selection of architectural metal and glass hardware for the construction of 'all-glass' entrances in commercial office buildings and storefronts. There are photos of finished projects, as well as helpful technical data.

ASK FOR CATALOG AH11



See the latest in top quality Column Covers (Cladding), Wall Panels, Canopies, Sunshades, and Awnings. There are photos of finished projects, as well as helpful technical data.

ASK FOR CATALOG AM09



CRL offers the largest selection of Architectural Railing Systems. See them all, plus beautiful photographs of finished installations, in our Railing Systems Catalog.

ASK FOR CATALOG HR11



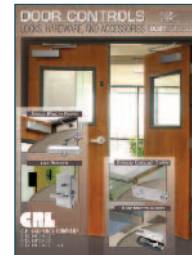
CRL is your source for the largest selection of Transaction and Security Hardware. Service Windows, Bullet Resistant Windows, Deal Trays, Speak-Thrus, Package Receivers, and more.

ASK FOR CATALOG TH10



Our Hospitality and Service Hardware Catalog introduces CRL's expanded line of Standoffs, Swivel Fittings, Partition Posts, Sneeze Guards, and Glass Barrier Hardware.

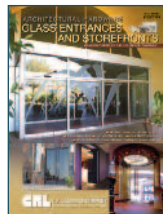
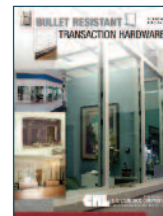
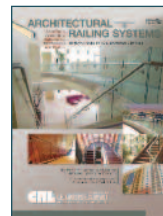
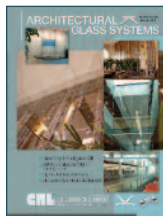
ASK FOR CATALOG HS07



Our line of Door Closers and related Door Control Hardware can be found in this full color catalog. Specifications and ordering information make it easy for you to select the right product every time.

ASK FOR CATALOG DC07

## CRL Products are Also Featured in the Sweet's Catalog



Contact us for free copies of Sweets Buyline inserts. You can also view them over the Internet, or download them from our web site at [crlaurence.com](http://crlaurence.com).

## Customer Service Order Desk

- Get Product Information
- Request Price Quotes
- Check Stock Availability
- Place or Trace Orders
- Check Your Account Status

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.

Ask for Extension

# 5275

Direct Fax  
(800) 262-3299

Direct E-Mail  
crl@crlaurence.com



CRL03

CRL23

CRL43



CRL53

CRL63

CRL73

CRL83

## Technical Sales Business Groups

### Architectural Hardware

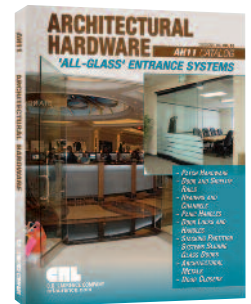
- Architectural Storefronts
- 'All-Glass' Entrance Systems
- Door and Sidelite Rails
- Glass Walls and Partitions
- Structural Glass Fittings
- Door Controls

Ask for Extension

# 7700

Direct Fax (800) 587-7501

Direct E-Mail architectural@crlaurence.com



AH11

### Glass and Glazing

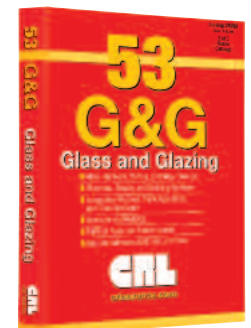
- Mirror and Glass Hardware
- Door and Window Hardware
- Retail Display Hardware and Standoffs
- Glazier's Tools and Machinery
- Sealants, Adhesives, and Fasteners
- UV Glass Bonding

Ask for Extension

# 7720

Direct Fax (866) 921-0531

Direct E-Mail glazing@crlaurence.com



CRL53

### Architectural Railings

- Aluminum Railing Systems
- Cap Railing Systems
- Hand Railing Systems
- Post Railing Systems
- Windscreen and Gate Systems
- Heavy Glass Base Shoe

Ask for Extension

# 7730

Direct Fax (800) 587-7501

Direct E-Mail railings@crlaurence.com



HR11

## Online Assistance by Telephone:

United States (800) 421-6144

Canada (877) 421-6144

International (323) 588-1281

Ask for Extension

# 6200



C.R. LAURENCE COMPANY

2788 |

crlaurence.ca

crlaurence.com.au

crlaurence.co.uk

crlaurence.de

crlaurence.com

## Technical Sales Business Groups

### Frameless Shower Door

- Hinges and Clamps
- Knobs and Pull Handles
- Towel and Grab Bars
- Sliding Shower Enclosures
- Vanity and Wardrobe Mirrors

Ask for Extension

# 7740

Direct Fax (800) 458-7496  
Direct E-Mail [showers@crlaurence.com](mailto:showers@crlaurence.com)

SD10



### Transaction and Security

- Drive-Thru and Walk-Up Windows
- Bullet Resistant Exchange Windows
- Ticket and Cashier Windows
- Cash Trays and Deal Drawers
- Speak-Thru Devices
- Safety and Security Mirrors

Ask for Extension

# 7760

Direct Fax (800) 458-7496  
Direct E-Mail [transaction@crlaurence.com](mailto:transaction@crlaurence.com)

TH10



### Hospitality and Service

- Partition Posts and Booth Dividers
- Food Service Sneeze Guards
- Tray Slide Hardware
- Menu Boards
- Bar Fixtures

Ask for Extension

# 7760

Direct Fax (800) 458-7496  
Direct E-Mail [hospitality@crlaurence.com](mailto:hospitality@crlaurence.com)

HS07



### Architectural and Ornamental Metals

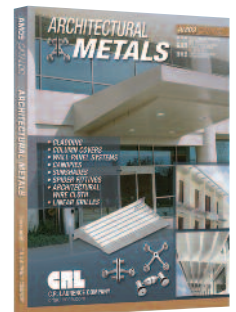
- Column Covers (Cladding)
- Wall Panel Systems
- Canopies and Sunshades
- Custom Entrances and Storefronts
- Ornamental Hand and Guard Rails
- Brake Shaped Metals

Ask for Extension

# 7770

Direct Fax (866) 921-0532  
Direct E-Mail [archmetals@crlaurence.com](mailto:archmetals@crlaurence.com)

AM09



### Automotive

- Truck Sliding Rear Windows
- Pop-Up and Electric Sunroofs
- Van and RV Windows
- Auto Glass Shop Products
- Auto Glass Tools

Ask for Extension

# 7780

Direct Fax (800) 587-7501  
Direct E-Mail [automotive@crlaurence.com](mailto:automotive@crlaurence.com)

CRL43



Online Assistance by E-Mail: [askus@crlaurence.com](mailto:askus@crlaurence.com)



# METRIC CONVERSION CHART

For Pricing Visit Our Web Site or Call Us Toll Free  
at the Phone Numbers Shown on the Back Cover

## Conversion Chart for Fractional and Decimal Inches, and Millimeters

FRACTION	DECIMAL	MM	FRACTION	DECIMAL	MM
1/64"	.0156"	0.396	33/64"	.5156"	13.097
1/32"	.0312"	0.793	17/32"	.5312"	13.494
3/64"	.0469"	1.191	35/64"	.5469"	13.891
1/16"	.0625"	1.588	9/16"	.5625"	14.288
5/64"	.0781"	1.984	37/64"	.5781"	14.684
3/32"	.0937"	2.381	19/32"	.5937"	15.081
7/64"	.1094"	2.778	39/64"	.6094"	15.478
1/8"	.125"	3.175	5/8"	.625"	15.875
9/64"	.1406"	3.572	41/64"	.6406"	16.272
5/32"	.1562"	3.969	21/32"	.6562"	16.669
11/64"	.1719"	4.366	43/64"	.6719"	17.066
3/16"	.1875"	4.763	11/16"	.6875"	17.463
13/64"	.2031"	5.159	45/64"	.7031"	17.859
7/32"	.2187"	5.556	23/32"	.7187"	18.256
15/64"	.2344"	5.953	47/64"	.7344"	18.653
1/4"	.250"	6.350	3/4"	.750"	19.050
17/64"	.2656"	6.747	49/64"	.7656"	19.447
9/32"	.2812"	7.144	25/32"	.7812"	19.844
19/64"	.2969"	7.541	51/64"	.7969"	20.241
5/16"	.3125"	7.938	13/16"	.8125"	20.638
21/64"	.3281"	8.334	53/64"	.8281"	21.034
11/32"	.3437"	8.731	27/32"	.8437"	21.431
23/64"	.3594"	9.128	55/64"	.8594"	21.828
3/8"	.375"	9.525	7/8"	.875"	22.225
25/64"	.3906"	9.922	57/64"	.8906"	22.622
13/32"	.4062"	10.319	29/32"	.9062"	23.019
27/64"	.4219"	10.716	59/64"	.9219"	23.416
7/16"	.4375"	11.113	15/16"	.9375"	23.813
29/64"	.4531"	11.509	61/64"	.9531"	24.209
15/32"	.4687"	11.906	31/32"	.9687"	24.606
31/64"	.4844"	12.303	63/64"	.9844"	25.003
1/2"	.500"	12.700	1"	1.000"	25.400





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Simply click on the "Quote Request" link from the [crlaurence.com](http://crlaurence.com) web site, and follow the instructions. It's that easy.



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