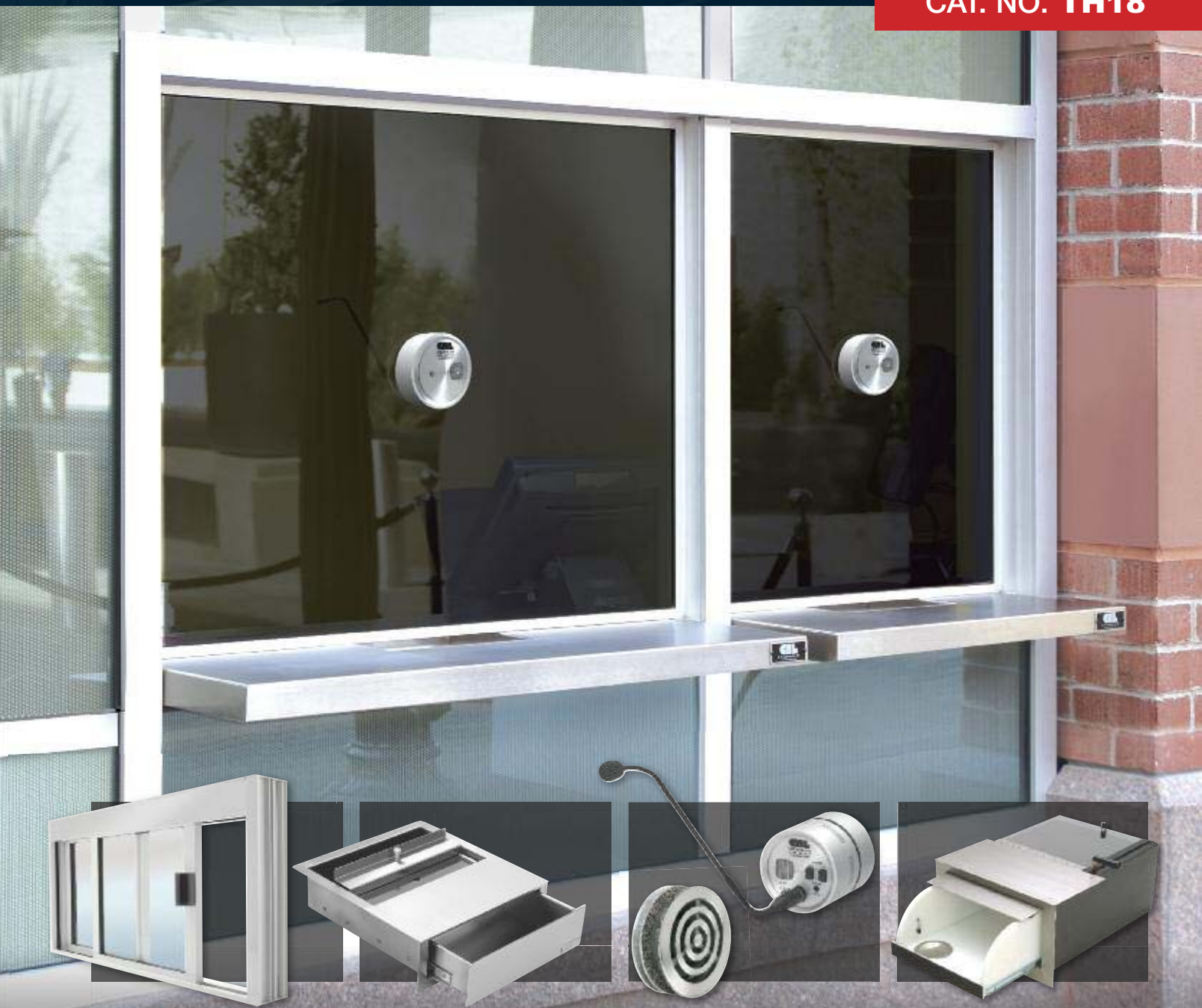
SECURITY AND TRANSACTION HARDWARE

08 1000	Doors and Frames
08 3000	Specialty Doors and Frames
08 5600	Special Function Windows
08 7100	Door Hardware
08 8800	Special Function Glazing
10 8600	Security Mirrors and Domes
11 2216	Teller and Service Equipment

CAT. NO. **TH18**



SECURITY AND TRANSACTION HARDWARE FOR THE SAFE TRANSFER OF CASH AND MERCHANDISE
BULLET RESISTANT WINDOWS AND BARRIER SYSTEMS • SERVICE AND PASS-THRU WINDOWS • TICKET AND CASHIER WINDOWS
DEAL TRAYS AND SHELVES • SPEAK-THRUS AND COMMUNICATORS • MAIL SLOTS AND PACKAGE RECEIVERS • SAFETY AND SECURITY MIRRORS

An ISO9001:2008 Certified Company

CRL US ALUMINUM

C.R. LAURENCE COMPANY

Worldwide Manufacturer and Supplier

Glazing, Architectural, Railing, Screen, Construction, Industrial, and Automotive Supplies

crlaurence.com

What's NEW! in This Catalog

Many of our customers have been using high quality C.R. Laurence products for years now, and may believe they know all we have to offer. Actually our product line is continually evolving with the addition of **NEW** products. It is our intention to make sure you are happy with the products you have used for years, and at the same time find added opportunities for your business through the use of our newest offerings.

Shown on this page and the next, are just *some* of the **NEW** products featured in this TH18 Catalog. Please take a few minutes to review these products. We note page number references for each item so that you may view them in greater detail. And as always, this entire product line can be viewed at **crlaurence.com/security**.

CRL Sharyn "Frameless" Pass-Thru Window

PAGE T428

NEW!

- Modern "Frameless" Appearance as Opposed to Traditional Framed Pass-Thru Windows
- "No-Hole", Top Hung Clamp-On Roller Assemblies Allow Height Adjustability
- Offered in Three Different Two-Panel Configurations of Sliding and Fixed Panels (XX, OX, and XO)
- Available Glazed With 1/4" (6 mm) Tempered Glass or Unglazed
- Stock and Custom Windows Available

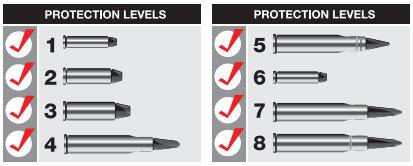


CRL Bullet Resistant Protection Level Ratings, and Bullet Resistant Glazing Materials

NEW!

PAGES T460-T461

- See Our Expanded Two Page Explanation of Protection Level Ratings, Including Charts Detailing Ballistic Data, and Important Characteristics of Bullet Resistant Glazing Products





CRL Bullet Resistant Doors

NEW!

PAGE T492

- Popular Applications Include Financial Institutions, Convenience Stores, Check Cashing Facilities, and More
- Full Vision Acrylic Doors and Anodized Aluminum Framed Bullet Resistant Door Models Offered
- Various Glazing Options for Level 1 to Level 3 Bullet Resistant Protection
- Choice of Hinge Styles Available
- Each Door Made to Your Requirements



CRL Gunports

NEW!

PAGE T498

- Typical Applications Include Correctional Institutions, Guard Stations, Nuclear Facilities, Banks, and Other Areas Where Ballistic Protection is Required
- Thru-Glass and Self-Closing Sliding Wall Mount Models Available
- Stocked in Level 3 Protection Rating
- Custom Sizes and Protection Levels Available Upon Request



CRL Brand Thru-Glass and Countertop Electronic Communicators

NEW!

PAGES T499-T502

- Choice of Thru-Glass and Countertop Mounting Methods
- Units Contain the Latest in Electronic Sound Advancement
- Bullet Resistant Communicators Up to Level 3 Protection Rating
- Satin Anodized and Black Anodized Models Offered



CRL Arched Top Clear Vision Bullet Resistant Speak-Thru

NEW!

PAGE T505

- For Use With Bullet Resistant Plastic Glazing Materials Only
- Overlap Prevents Direct Entry of Projectiles While Allowing Natural Voice Transmission
- Virtually Unobstructed Vision
- Bullet Resistant Protection Levels 1 and 3 Available
- Custom Sizes Available Upon Request



CRL Pivot Servers

PAGE T518

- Quarter Round Configuration Available in Level 1 Bullet Resistant Protection, or Non-Bullet Resistant Model
- Lockable From Clerk's Side for Extra Security
- Units are Ideal for Drive-Up or Walk-Up Service
- Built-in Coin Tray and Currency Retainer Clip
- Choice of Two Perimeter Frame Finishes

NEW!



Bullet Resistant Pivot Server



Non-Bullet Resistant Pivot Server

CRL Blast Mitigation Systems

PAGES T529-T544

- Systems for Blast Resistant Entrance Doors, Blast Resistant Storefronts, Blast Resistant Curtain Wall, and Blast Resistant Windows
- Engineered and Successfully Tested to Pass Pressure Level Requirements

NEW!



CRL Security Screen™

PAGES T546-T553

- Creates a Security Barrier to Unlawful Entry, Discouraging Intruders Without Compromising a Clear and Unobstructed View of the Outdoors
- Easily Incorporated Into Almost All Types of Doors and Windows
- Enhance and Modernize the Architectural Appeal While Improving Security

NEW!





CRL Checkpoint Barrier Systems

PAGES T560-T564

- Systems for Interior or Exterior Commercial and Institutional Applications
- Typically Used in Airports to Control the Traffic Flow at Security Stations
- Designed to Work With Many Different Types of Glazing
- Two Standard Architectural Finishes
- Custom Powder Coated Finishes Also Available

NEW!



CRL Architectural Bollards

PAGE T565

- Provide Roadway and Pathway Definition
- Round, Square, Rectangular, and Triangular Profiles
- Design Options Include Single or Double Line Accents
- Available as Cover Only or With Concrete Filled 8" (203 mm) Schedule 80 Pipe Reinforcement
- Custom Shapes and Sizes Available

NEW!



CRL Locking Ladder Pulls

PAGES T596-T598

- Locking Ladder Pulls Present a Sensible Option for "All-Glass" Entrances
- Locks Operate at a Comfortable 42" (1067 mm) Above the Floor
- No More Kneeling Down or Bending Over to Engage Lock
- Several Standard Ladder Pull Choices Also Available When Locking is Not Required

NEW!



CRL MANUFACTURING



CRL US ALUMINUM
MANUFACTURED IN THE USA

- Advanced R&D, Rapid Customization, and Prototyping
- In-house Testing Laboratories
- User of Progressive ISO9001:2008 Manufacturing Processes

Top Metal Company



For three years in a row, CRL-U.S. Aluminum has been recognized as the leading manufacturer and supplier of metal glazing products in the United States and Canada. We attribute our leadership position to an unwavering commitment to designing, engineering, and manufacturing quality products while delivering exceptional customer service and project support.



C.R. Laurence Manufacturing Headquarters - Los Angeles, California

Making Quality Products for Decades

In an era of offshore manufacturing and increased foreign competition, C.R. Laurence commits itself to producing top quality, American-made products. As a vertically integrated company with process control over everything from engineering to extrusions, fabrication to finishing, we have the experience and capability to produce high quality products on time at a competitive price. Thousands of best-in-class products are made in the United States in our ISO 9001:2008 certified manufacturing facilities, where fine craftsmanship meets state of the art technology. Our innovative systems are the product of an ongoing commitment to supporting American jobs and providing the finest architectural glazing systems on the market. To complement our robust U.S. capabilities and to better serve industries across the globe, we've expanded our manufacturing presence to an international capacity with plants located in Canada and Australia.









CRL US ALUMINUM
MANUFACTURED IN THE USA

Rapid Customization Program for Short Lead Times

The goal of CRL's Rapid Customization Program is to achieve the shortest possible lead time on all CRL Manufactured Products, from sketch to quote to fabrication 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, packaging, and shipping makes for efficient and speedy delivery of products to you.

CRL is ISO9001:2008 Certified

It all starts with ISO9001:2008 certification. We produce thousands of the items we supply in our ISO9001:2008 Certified manufacturing facilities. Our adherence to the strictest of standards reflects the commitment of our employees to provide the highest quality products.

State-of-the-Art Processes and Equipment

Industry requirements and customer needs are evolving. We recognize the need to remain current and have made substantial investments in our manufacturing capacity to keep pace. Our manufacturing facilities house the latest equipment and processes to deliver quality products with precision and efficiency every time. Our advanced capabilities include: precision waterjet and laser cutting systems, robotic arc welding automation, CNC routing, roll forming, and an automated powder coat line.

Innovative Technologies

CRL's highly trained staff uses the latest programs including Auto CAD and ANSYS Workbench to provide the best designs to send to our manufacturing plant. CRL is capable of rendering advanced 3D modeling using Autodesk's Inventor® program, along with the expanded Revit® capabilities that are now in production. Additionally, our manufacturing headquarters now supports modern 3D printing capabilities to produce ABS or PLA models to design and precision-engineer product solutions for various project applications.

Drafting and Engineering Services

C.R. Laurence's Drafting Division can produce material takeoffs and complete shop drawings that are submittal-ready. They can also produce fabrication drawings for applications for custom products and modified applications of standard systems. From napkin sketches to fully realized concepts, C.R. Laurence can build it. CRL's dedicated Engineering Department works with you to review designs and job plans to address feasibility, safety concerns, and possible alternate solutions.

Award Winning, Certified Designs and Products

Just because we say our products are all top quality doesn't make it so. However, when those recognized as setting the standards for quality say we make the best, then that really means something. We've got the credentials to back that claim.

ARCO 50 READERS' CHOICE

glass magazine award winner

MA 2014

2009 Crystal Achievement Award Winner

2014 Product of the Year US

Architectural Record Record Products 2014 BEST IN CATEGORY

A'AWARDS FINALIST 2014

2014 CRYSTAL ACHIEVEMENT AWARD WINNER

2014 READERS CHOICE USGlass MAGAZINE

ARCHITECTURAL RECORD
PRODUCT REPORTS 2011

Inventor and Revit are registered trademarks of Autodesk, Inc.

CRL GLOBAL DISTRIBUTION NETWORK

Localized Product Availability and Streamlined Distribution To Meet Your Schedule

Over 40 Locations in Six Countries Across Three Continents

Over 3 Million Square Foot Global Footprint Employing a Workforce Over 1700 Strong, and Growing

With Service Centers in key global markets, C.R. Laurence's centralized distribution network provides customers worldwide the quality products and services they need. Over the past few decades, CRL has grown from a single Los Angeles location to include Service Centers in the United States, Canada, Australia, the United Kingdom, Germany, and Denmark.



CRL's Canadian Headquarters in the Toronto, Ontario area



CRL-U.S. Aluminum New York Metropolitan Area Super Center and Showroom



CRL's Global Headquarters in the Los Angeles, California area



U.S. Aluminum Headquarters in the Waxahachie, Texas area

Local Stock Inventories, Short Lead Times, and Prompt Deliveries

Meeting customers' needs and providing shorter lead times has been a priority since day one. Architects and installers never have to compromise their design vision due to product lead times or inventory availability. CRL has done this by investing in its employees and streamlining operations and production methods through an ever-expanding network of Service Centers.

This innovative and effective network has made it easier for customers to access CRL products wherever they are. CRL and CRL-U.S. Aluminum Service Centers are strategically located in or near major metropolitan areas to serve customers in person. This allows for local product manufacturing and specialized technical support to regional customers.

As C.R. Laurence Company's global presence and influence continues to grow, so will the number of strategically positioned Service Centers, ultimately giving CRL customers everything they need faster and easier.

To find contact information, driving directions, and hours of operation for the nearest CRL Service Center, visit **crlaurence.com/locations**.

CRL GLOBAL DISTRIBUTION NETWORK

MORE CHOICES
crlaurence.com/locations

Localized Product Availability and Streamlined Distribution To Meet Your Schedule



CRL's European Headquarters
in the Manchester, England area

Building a Network

Each of our Service Centers is connected to Corporate Headquarters through our computer system, which monitors and updates inventory levels with the arrival of each new delivery truck and the shipment of each customer order. Service Centers receive fresh inventory through our Global 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.



Copenhagen,
Denmark area

CRL Brings the Best to You

Operating on three continents allows us to bring brands to you that you may not otherwise have local access to. Our purchasing agents select quality products from vendors across the globe, and because we have a global distribution network these products can be made available through any of our Service Centers.



Dusseldorf,
Germany area



CRL's Australian Headquarters
in the Sydney, New South Wales area



CRL's European Stone Division
in the Manchester, England area



CRL's Service Center in the
Perth, Western Australia area



CRL's Australian Manufacturing and Service Center
in the Melbourne, Victoria area

To find contact information, driving directions, and hours of operation for the nearest CRL Service Center, visit **crlaurence.com/locations**.

We Make Doing Business With CRL Easy



Four Ways to Order

CRL Gives You Ordering Options to Suit Your Preferences

- Online
- Over the Phone
- By Fax
- In Person

Online

Online shopping has never been easier. CRL Express Ordering streamlines the entire process by automatically associating your preferred payment method with your most frequently used shipping address. Complete the simple activation process once, and start placing every order with only two clicks.

EXPRESS 2-CLICK ORDERING crlaurence.com

Start saving time and try CRL Express Ordering today by:

1. **Clicking on Your Account**
2. **Clicking on CRL Express Ordering**
3. **Clicking on Turn Express Ordering On**

Call Us Toll Free: (800) 421-6144

There's a Knowledgeable Friendly Voice Ready to Help With Your Product Inquiries

Our products speak for themselves, but sometimes there's just no substitute for the effectiveness and courtesy of speaking directly to another person. When you call our Customer Service Order Desk you'll find CRL staff who are polite, personable, and trained to provide assistance with CRL products and services. Order Desk hours are 6 am to 5 pm (Pacific Time) Monday through Friday, and 7 am to 12 pm Saturdays.

Toll Free Fax: (800) 262-3299

Convenient, Familiar, and With Assured Delivery

Despite being well into the digital age with plenty of internet-based alternatives, sending and receiving documents via fax is still recognized as an essential business communication tool worldwide. Unlike e-mail, fax correspondences acknowledge that a document has been delivered, giving you the confidence that your order has been received.

Your Local Service Center Will Call Trade Counter

When You Need It Today, Our Will Call Trade Counter is Your Fastest Option

Every CRL Service Center has a Will Call Trade Counter where you can place and pick up your orders in person. Want to start your project sooner? Leverage our **Express Pick Up Desk** by placing your order in advance via phone, fax, or online, and we'll have your order ready and waiting for you. Will Call hours are 8 am to 5 pm Monday through Friday, and 8 am to 12 pm Saturdays. Find your Service Center Will Call at **crlaurence.com/locations**.

Who May Buy

C.R. Laurence is a manufacturer and wholesale distributor. Possession of this catalog, or any other CRL sales literature, does not constitute an offer to sell. Orders from individuals (except professional tradesmen) may not be accepted.

CRL Works With You

We offer more than just the products shown in our catalogs and online. CRL is your source for goods and services from hundreds of manufacturers worldwide. The experience gained by decades of service affords us the ability to serve you in more ways than you might realize. Such services include:



Special Pricing Programs

Among the many distinct benefits of being a regular CRL customer is the opportunity to participate in a variety of special pricing programs. We have designed these programs for businesses of all sizes, offering additional service privileges to those customers whose CRL purchases meet program requirements. Our National Accounts, Master Accounts, and Warehouse Distributor Programs offer greater buying power and substantial savings opportunities to companies large and small. The more you shop, the more you can save.



Are You a New Business?

First and foremost, congratulations on starting your new business! We are committed to providing the tools, supplies, and support to help your business grow. We offer special pricing programs to get your new company fully equipped and operational, and on the path to success. Additionally, CRL's Leasing Program provides an affordable solution to help add machinery or production line equipment to your business. We look forward to working together to foster a prosperous relationship in the industry.



CRL Technical Assistance

CRL Technical Sales Teams can help you choose the perfect system for any project. Your job can be made easier with the help of CRL Product Specialists who are trained in the newest hardware systems, and can offer design assistance, component selection and compatibility, product specification data, installation support, and detailed quotes to present to your client. We provide project support every step of the way.

See pages T684-T686 for Technical Sales groups and contact information.



Business Tools

Private Labeling: Private labeling is available on many CRL products, and we can design distinctive packaging to make your products more attractive to retail customers. Our Advertising Division will work with you to design that special "look" that will help build and reinforce your company's brand.

Marketing Brochures: We offer a complete selection of brochures to help you sell. These smaller brochures are easy to distribute, and feature photos of beautiful installations to show to your clients.

Decorative Posters: Our product posters will make a quick and dramatic change to your showroom. They feature studio quality images of finished projects. Display them in your showroom to inspire creativity in your customers and designers for future projects.

For Expert Technical Assistance With Your Security and Transaction Projects,

The CRL Transaction Technical Sales Department is a full time staff trained in the proper design and installation of our Security and 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.

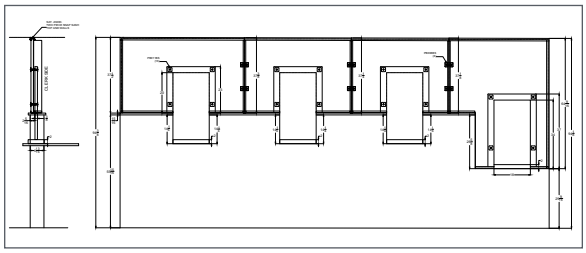
If our wide variety of standard size products won't fit your needs exactly, CRL can custom build to your specifications. Our manufacturing facility has a staff of engineers who will design a product that you can install with full confidence that it will meet your customer's needs in terms of performance 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

Direct Fax (800) 458-7496
Direct e-mail transaction@crlaurence.com



From initial discussion



Through planning and design

TESTIMONIAL:

"*The Technical Sales Department at CRL was absolutely instrumental in the success of this project. From early sketches to identifying key problems with existing conditions mid-project, CRL provided multiple solutions to present to our client from start to finish. Without the project support of C.R.Laurence we couldn't have finished the project. The end product fit perfectly, our customer was satisfied, and the job was profitable.*"

Robert Hiller
President
Commercial Glass & Plastics



CRL Transaction Tech Sales is here to assist you with your successful project

A Key to the Icons Used Throughout This Catalog:

NEW! = Designates a new product introduced since our last Transaction Hardware Catalog.

USE MONOLITHIC TEMPERED GLASS = Product is recommended to be used with tempered safety glass only.

COMFORTABLE LOCK HEIGHT = Designed with locking mechanism mounted at a comfortable height above finished floor to lock or unlock your doors.

CRL US ALUMINUM MANUFACTURED IN THE USA = Designed, Engineered, and Manufactured in the USA by C.R. Laurence Company.

PROTECTION LEVELS 1 2 3 = Bullet Resistant Protection Level available per product offering. Protection Levels are based on testing recognized under the standards established by Underwriters' Laboratories (U.L. 752). See page T460.

VIDEO = Instructional and informative video available online at **crlaurence.com**

INTERIOR USE = Product is recommended for interior installations only, and may not be weatherized to handle outdoor conditions.

INTERIOR EXTERIOR = Product is suitable for both interior and exterior installations.

ONLINE INSTALLATION RESOURCES = Installation instructions and/or fabrication details are available online at **crlaurence.com**.

ONLINE ARCHITECTURAL RESOURCES = More information is available from the Product Offer Page at **crlaurence.com**, such as MSDS, Technical Drawings, Spec. Data, and 3-Part Specs.







SERVICE WINDOWS

1

PAGES
T409 - T456

Air Curtain (Fly Fan)

Electric Fully Automatic Windows

"Frameless" Interior Pass-Thru Windows NEW!

Interior Pass-Thru Windows

Manual Bi-Fold Windows

Manual Deluxe Sliding Windows

Manual Standard Horizontal Sliding Windows

Manual Standard Vertical Sliding Windows

Masteroll Overhead Track Assembly

"Roll-Ezy" Steel Track Assembly

Self-Closing Deluxe Windows

Semi-Automatic Bi-Fold Windows

Surface Mount and Pocket Window Components

Ticket and Cashier Windows

Track Assemblies



CRL US ALUMINUM
crlaurence.com • usalum.com

These products and more can be found in this catalog section. On the bottom of each page are direct search instructions for viewing them on our web site. You can also enter the catalog number into the search box for a direct link to the product and others in that category. To view other products, click on the link to our Catalog Library found on the web site home page.

CRL Deluxe Heavy-Duty Service Windows

MOST POPULAR

PAGES T410 - T419

- The Perfect Drive-Up Service Window for Fast Food Restaurants, Pharmacies, Dry Cleaners, Etc.

The demand for a heavy-duty use commercial window is certainly a trend in today's fast-paced society. CRL has responded to the wishes of our customers and has developed Deluxe Heavy-Duty Windows. Available in several configurations, each offers a variety of options to choose from and is custom fabricated to fit the opening.





CRL Standard Service Windows

PAGES T420 - T425

- For Light Duty Applications of 50 or Fewer Uses Per Day
- Vertical and Horizontal Formats

"SW" Series Service Windows are available for interior or exterior applications, with a variety of formats and options to choose from. Uses include walk-up food service, receptionist, and pharmacy windows.





CRL Air Curtains (Fly Fans)

PAGE T425

- Aesthetically Pleasing "Low Profile" Design
- Heated and Non-Heated Units Available
- ETL Sanitation Certified for Drive-Up and Walk-Up Service Windows

Compact and convenient, CRL Mars® Service Window Air Curtains (Fly Fans) create an advanced air barrier to insects, dust, and fumes without disturbing customers or employees. Designed for quick service drive-thru restaurants, dairy and ice cream stores, hamburger stands, and other businesses with serving windows.





CRL Ticket and Cashier Windows

PAGES T426 - T427

- Stock Sizes Ready to Ship

Our line of Ticket and Cashier Windows are ready for immediate installation upon receipt. We carry stock frame sizes and will also custom build to your requirements for both size and finish.











CRL Sharyn Frameless Pass-Thru Window

PAGES T428

- Modern "Frameless" Appearance
- Available Glazed With 1/4" (6 mm) Tempered Glass or Unglazed

NEW!

CRL US ALUMINUM MANUFACTURED IN THE USA

The Sharyn "Frameless" Pass-Thru Window is offered in three different two panel configurations of sliding and fixed panels to accommodate most any service condition. An optional Fixed Lite Header Insert is available for the fixed side panel, and a recessed bottom track is also available as an option.



Push Button Lock



Push Knob Keeper



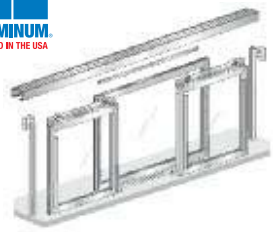
CRL Horizontal Pass-Thru Windows

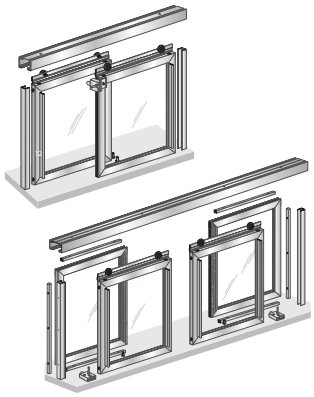
PAGES T429 - T435

- Custom Cut to Your Specifications for Opening Width and Height

CRL US ALUMINUM MANUFACTURED IN THE USA

Horizontal Sliding Pass-Thru Window Assemblies are made to fit your exact specifications. You advise the height and width of the opening, and your preferred deductions, we will ship a knocked-down Pass-Thru that's ready to assemble and install.





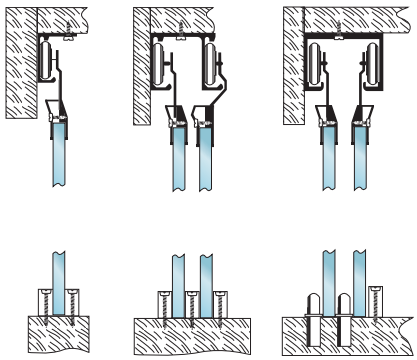


CRL Masteroll Overhead Track System

PAGES T436 - T437

- Mix and Match Components to Suit Your Installation Needs

CRL Masteroll Overhead Track for frameless glass doors gives you installation flexibility without stocking a large variety of components. The simple component selection of Overhead Tracks, Hangers, Rollers, and Guides work to make efficient and economical pass-thrus with a minimum of fabrication effort.



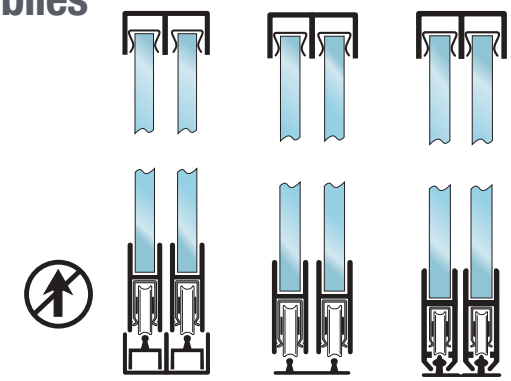


CRL Rolling Track Assemblies

PAGES T438 - T456

- Pre-Cut Assemblies or 12 Ft. (3.66 m) Extrusions Offered So You Can Fabricate Your Own Assemblies

Our extremely broad range of Rolling Track Assemblies for showcases, cabinets, and pass-thrus gives installers unlimited options to fit their needs.





CRL DW Series Manual Deluxe Sliding Service Windows

For Commercial Drive-Thru or Other Heavy-Duty Use Applications

- The Perfect Drive-Up or Walk-Up Service Window for Fast Food Restaurants, Pharmacies, Hotels, Etc.
- Each Unit is Custom Fabricated to Fit the Opening
- Custom Sidelites and Transoms are Available
- Six Choices of Sliding Configurations to Meet Most Any Design Criteria
- Ball Bearing Top Hung Sliders for Easy Window Movement
- Hundreds of Available Finishes



Three Panel OXO (Center Sliding Panel) DW Deluxe Service Window Installed at Hotel Check-In Counter

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

CRL US ALUMINUM MANUFACTURED IN THE USA

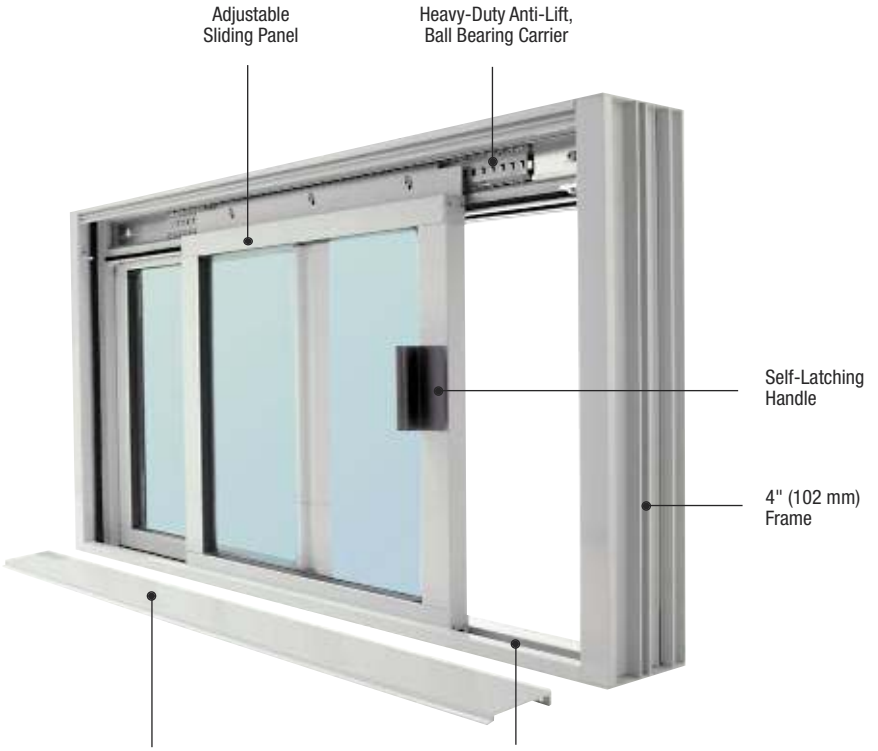
INTERIOR EXTERIOR

The demand for a heavy-duty use commercial window is certainly a trend in today's fast-paced society. CRL has responded to the wishes of our customers and has developed our DW Series Manual Deluxe Sliding Window. Available in six configurations, each offers a variety of options to choose from, and is custom fabricated to fit the opening. Each window comes glazed with a choice of tempered, laminated, tinted, wire glass, or insulating glass unit.

Designed for heavy-duty commercial use (100 to 200 openings per day) and drive-thru applications such as fast food restaurants, pharmacies, dry cleaners, and anywhere a larger window and heightened security is desired.

Available finishes are satin anodized, bronze anodized, custom anodized, powder paint colors, and custom KYNAR® paint colors. Supply your customer with CRL's DW Series Manual Deluxe Sliding Window, the finest heavy-duty commercial or drive-thru window of its kind.

Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can also e-mail us at **transaction@crlaurence.com**.



CAT. NO. DW1800A
(Shown with Header Access Panel Removed)

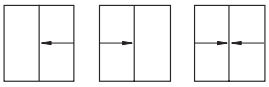
KYNAR is a registered trademark of Arkema, Inc.

CRL DW Series Manual Deluxe Window Ordering Specifications and Options

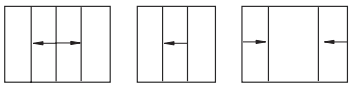
USE THESE SPECIFICATIONS TO DESIGN THE DW SERIES MANUAL SLIDING WINDOW OF YOUR CHOICE

QUANTITY _____ FRAME WIDTH _____ FRAME HEIGHT _____

AVAILABLE CONFIGURATIONS:



❑ ox* ❑ xo* ❑ xx



❑ oxxo ❑ oxo ❑ xox

*Configuration Determined From Clerk's Side
X= Sliding Panel, O= Fixed Panel

GLAZING:

Thickness:
- ❑ 1/4" (6 mm)
- ❑ 1/2" (12 mm)
- ❑ 9/16" (14 mm)
- ❑ 5/8" (16 mm)

Type:
- ❑ Tempered
- ❑ Wire
- ❑ Tinted
- ❑ Laminated
- ❑ Insulating*

* 5/8" (16 mm) Must Be Used When 40" (1016 mm) in Height or Greater

FINISH:

- ❑ Satin Anodized
- ❑ Bronze Anodized
- ❑ Custom Anodized (Specify Finish)
- ❑ Powder Paint (Specify Color)
- ❑ Custom KYNAR® Paint (Specify Color)

SCREEN:

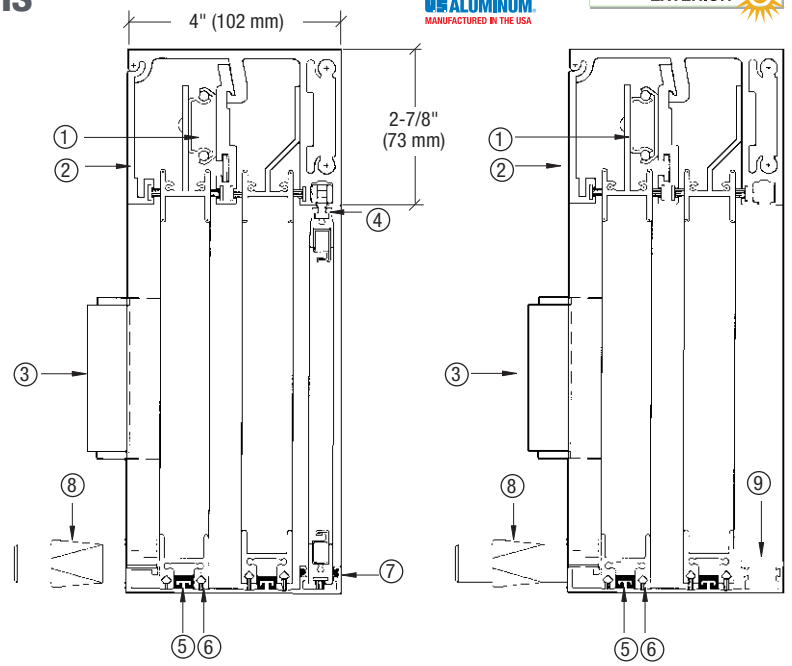
- ❑ With
- ❑ Without

OPTIONS:

- ❑ Keyed Lock
- ❑ Burglar Bar (Select Models)
- ❑ Full Bottom Track
- ❑ Open Counter Area
- ❑ Deal Tray
- ❑ Stainless Steel Shelf
- ❑ Laminated Shelf
- ❑ Side Lites
- ❑ Transoms
- ❑ Fly Fan Switch
- ❑ Air Curtain (Fly Fan)

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR



DW Series Window With Screen

DW Series Window Without Screen

① Heavy-Duty Anti-Lift Ball Bearing Carrier
② Removable Header Access Panel
③ Self-Latching Handle
④ Screen Rides on Nylon Rollers
⑤ Vinyl Track (No Metal-to-Metal Rubbing)
⑥ Poly-Pile Weatherstripping with Fin
⑦ Vinyl Guides for Screen (No Metal-to-Metal Rubbing)
⑧ Optional Keyed Lock
⑨ Channel Cap on No-Screen Models

CRL DW Series Two Panel Manual Deluxe Sliding Service Windows (OX or XO)

- Select From OX or XO Configurations
- Each Unit is Customized to Fit Your Needs
- Finishes Available: Satin Anodized, Bronze Anodized, Powder or KYNAR® Painted, and Custom Anodized

CRL US ALUMINUM MANUFACTURED IN THE USA

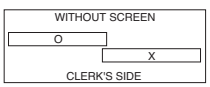
ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

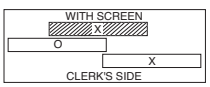


DW2000A Pictured with Optional Keyed Lock and Laminated Shelf

This Two Panel Manual Deluxe Sliding Service Window is one of our most popular models. The unit has one fixed and one sliding panel. When choosing the configuration, the sliding panel is called out from the clerk's side of the opening. Each window is custom made to your exact specifications. Their heavy-duty design and construction will give years of maintenance-free operation. Models are available with or without screens. For a full list of options, please see top of page.



XO or OX



XO or OX

CAT. NO.	CONFIGURATION*	FINISH	SCREEN
DW1800A	OX or XO	Satin Anodized	No
DW1800DU	OX or XO	Bronze Anodized	No
DW1800P	OX or XO	Powder Painted (Specify)	No
DW1800K	OX or XO	KYNAR® Painted (Specify)	No
DW2000A	OX or XO	Satin Anodized	Yes
DW2000DU	OX or XO	Bronze Anodized	Yes
DW2000P	OX or XO	Powder Painted (Specify)	Yes
DW2000K	OX or XO	KYNAR® Painted (Specify)	Yes

Minimum order: 1 each.* Configuration Determined From Clerk's Side X = Sliding Panel O = Fixed Panel (Specify when ordering).

KYNAR is a registered trademark of Arkema, Inc.

TOLL Phone: (800) 421-6144
FREE Fax: (800) 262-3299
From Anywhere in the U.S. or Canada

CRL US ALUMINUM

CRL DW Series Two Panel Manual Deluxe Sliding Service Windows (XX)

- XX Double Slider Configuration
- Each Unit is Customized to Fit Your Needs
- Finishes Available: Satin Anodized, Bronze Anodized, Powder or KYNAR® Painted, and Custom Anodized

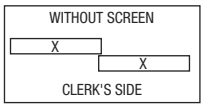
CRL US ALUMINUM MANUFACTURED IN THE USA

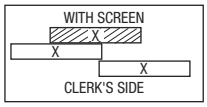
INTERIOR EXTERIOR

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

This Two Panel Manual Deluxe Sliding Service Window is popular for applications that are not limited to only one side opening. The unit has two equally divided sliding panels, which makes for easy transactions. Each window is custom made to your exact specifications. The heavy-duty design and construction will give years of maintenance-free operation. Models are available with or without screens. For a full list of options, please see top of page T411.







DW4200K Pictured With No Track Under Sliding Panels

CAT. NO.	CONFIGURATION*	FINISH	SCREEN
DW4200A	XX	Satin Anodized	No
DW4200DU	XX	Bronze Anodized	No
DW4200P	XX	Powder Painted (Specify)	No
DW4200K	XX	KYNAR® Painted (Specify)	No
DW4400A	XX	Satin Anodized	Yes
DW4400DU	XX	Bronze Anodized	Yes
DW4400P	XX	Powder Painted (Specify)	Yes
DW4400K	XX	KYNAR® Painted (Specify)	Yes

Minimum order: 1 each. X = Sliding Panel * Primary slider on clerk's right unless specified left.

CRL DW Series Four Panel Manual Deluxe Sliding Service Windows (OXXO)

- OXXO Double Slider Configuration
- Each Unit is Customized to Fit Your Needs
- Finishes Available: Satin Anodized, Bronze Anodized, Powder or KYNAR® Painted, and Custom Anodized

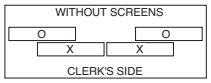
CRL US ALUMINUM MANUFACTURED IN THE USA

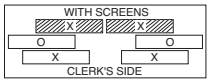
INTERIOR EXTERIOR

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

This Four Panel Manual Deluxe Sliding Service Window is popular for applications that require a larger than usual service opening. The unit has two sliding panels that meet in the center and are flanked by fixed side panels, giving you an extra wide service opening. Each window is custom made to your exact specifications. The heavy-duty design and construction will give years of maintenance-free operation. Models are available with or without screens. For a full list of options, please see top of page T411.







DW3400A Pictured With Full Bottom Track and Keyed Locks

CAT. NO.	CONFIGURATION*	FINISH	SCREEN
DW3400A	OXXO	Satin Anodized	No
DW3400DU	OXXO	Bronze Anodized	No
DW3400P	OXXO	Powder Painted (Specify)	No
DW3400K	OXXO	KYNAR® Painted (Specify)	No
DW3600A	OXXO	Satin Anodized	Yes
DW3600DU	OXXO	Bronze Anodized	Yes
DW3600P	OXXO	Powder Painted (Specify)	Yes
DW3600K	OXXO	KYNAR® Painted (Specify)	Yes

Minimum order: 1 each. X = Sliding Panel O = Fixed Panel.

KYNAR is a registered trademark of Arkema, Inc.

CRL DW Series Three Panel Manual Deluxe Sliding Service Windows (OXO)

- OXO Single Slider Configuration
- Each Unit is Customized to Fit Your Needs
- Finishes Available: Satin Anodized, Bronze Anodized, Powder or KYNAR® Painted, and Custom Anodized

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

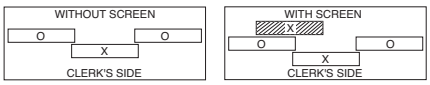
ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES



DW2600DU Pictured With No Track Under Sliding Panel

This Manual Deluxe Sliding Service Window is perfect for jobs that call for a service opening centered in the overall opening. The unit is an equally divided, three panel window that has a center sliding panel. Each window is custom made to your exact specifications. The heavy-duty design and construction will give years of maintenance-free operation. Models are available with or without screens. For a full list of options, please see top of page T411.



CAT. NO.	CONFIGURATION*	FINISH	SCREEN
DW2600A	OXO	Satin Anodized	No
DW2600DU	OXO	Bronze Anodized	No
DW2600P	OXO	Powder Painted (Specify)	No
DW2600K	OXO	KYNAR® Painted (Specify)	No
DW2800A	OXO	Satin Anodized	Yes
DW2800DU	OXO	Bronze Anodized	Yes
DW2800P	OXO	Powder Painted (Specify)	Yes
DW2800K	OXO	KYNAR® Painted (Specify)	Yes

Minimum order: 1 each. * X = Sliding Panel, O = Fixed Panel.
Slider opens to clerk's right unless specified left.

CRL DW Series Three Panel Manual Deluxe Sliding Service Windows (XOX)

- XOX Double Slider Configuration
- Each Unit is Customized to Fit Your Needs
- Finishes Available: Satin Anodized, Bronze Anodized, Powder or KYNAR® Painted, and Custom Anodized

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

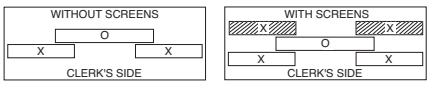
ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES



DW5000P Pictured With No Track Under Sliding Panels and Keyed Locks

This Manual Deluxe Sliding Service Window is perfect when one window is required for two clerks helping customers at the same time. The unit has three divided panels, two sliders and a center fixed panel that is twice the width of the sliders. This allows for both sliding panels to be operated simultaneously. Each window is custom made to your exact specifications. The heavy-duty design and construction will give years of maintenance-free operation. Models are available with or without screens. For a full list of options, please see top of page T411.



CAT. NO.	CONFIGURATION*	FINISH	SCREEN
DW5000A	XOX	Satin Anodized	No
DW5000DU	XOX	Bronze Anodized	No
DW5000P	XOX	Powder Painted (Specify)	No
DW5000K	XOX	KYNAR® Painted (Specify)	No
DW5200A	XOX	Satin Anodized	Yes
DW5200DU	XOX	Bronze Anodized	Yes
DW5200P	XOX	Powder Painted (Specify)	Yes
DW5200K	XOX	KYNAR® Painted (Specify)	Yes

Minimum order: 1 each. X = Sliding Panel O = Fixed Panel.

KYNAR is a registered trademark of Arkema, Inc.

CRL SCDW Series Self-Closing Deluxe Sliding Service Windows

- Each Window is Custom Fabricated to Your Specifications
- One Sliding Panel and One Fixed Panel Configuration
- Optional Sill Conditions Available

C.R. Laurence "SCDW" Series Service Windows incorporate the self-closing feature typically required by the fast food industry. These high quality windows are manufactured for interior or exterior, high or low usage applications. Self-Closing function is provided with high quality components designed for trouble-free operation.

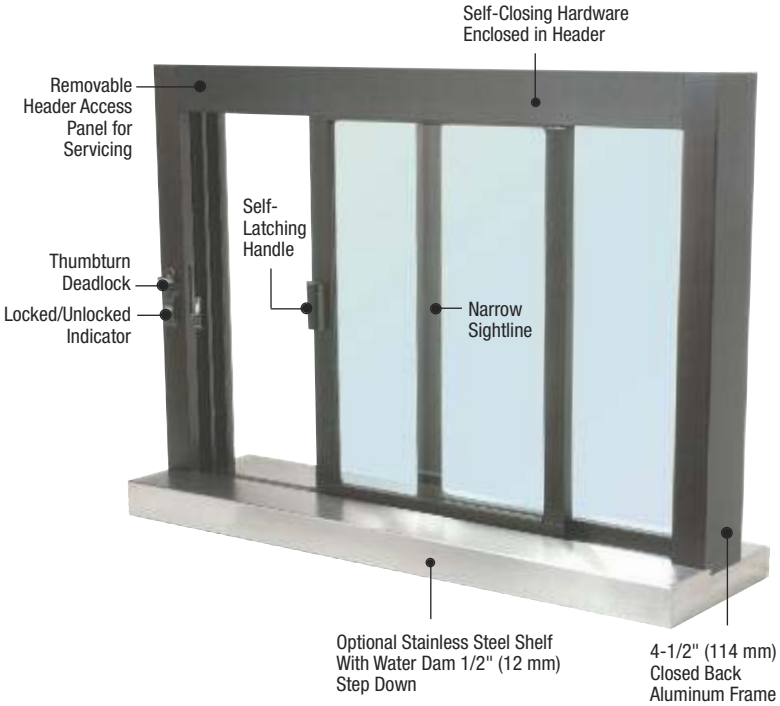
Since each unit is custom built to your specifications, we will work with you to design a unit that best suits the requirements of the installation. Glazing and sill conditions will be discussed, and our Transaction Hardware professionals will help you select the options that will result in a window that meets your customers' needs and expectations.

CRL US ALUMINUM MANUFACTURED IN THE USA

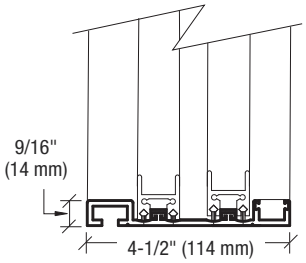
INTERIOR EXTERIOR

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES



Sill Conditions Available



CAT. NO. SCDW1801

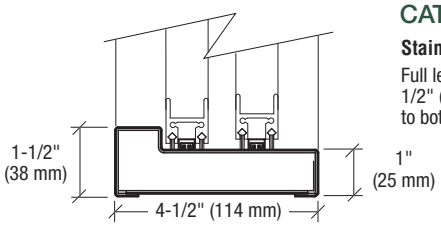
Aluminum Half Bottom Track

Window includes half bottom track. Provides clear service opening with no track under slider.

CAT. NO. SCDW1802

Aluminum Full Bottom Track

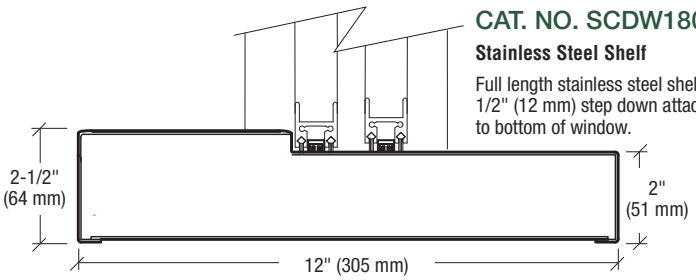
Window includes full bottom track.



CAT. NO. SCDW1803

Stainless Steel Sill

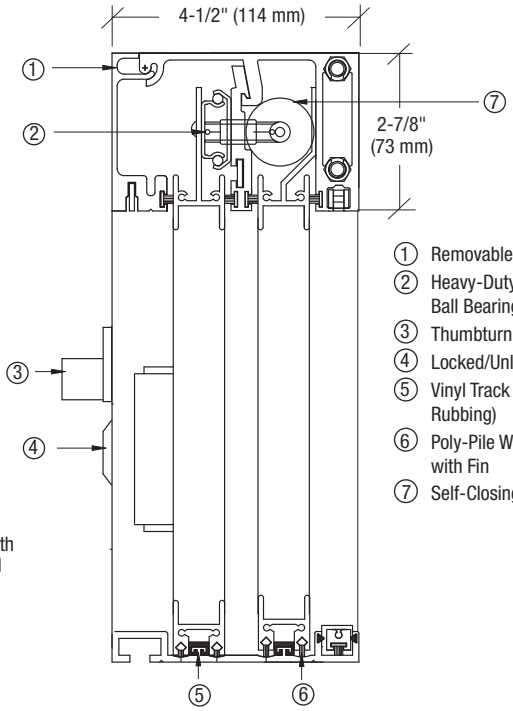
Full length stainless steel sill with 1/2" (12 mm) step down attached to bottom of window.



CAT. NO. SCDW1804

Stainless Steel Shelf

Full length stainless steel shelf with 1/2" (12 mm) step down attached to bottom of window.



CRL SCDW Series Self-Closing Deluxe Sliding Service Windows (XO or OX)

- Each Unit is Custom Fabricated to Fit Opening
- One Fixed and One Sliding Panel Configurations
- Self-Closing Mechanism and Self-Latching Handle Included
- Removable Header Access Panel for Easy Servicing



ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

The SCDW Series Self-Closing Deluxe Sliding Service Window is a top-hung unit with a self-closing mechanism that closes and latches automatically when the window is released. For interior or exterior use, this window is manufactured with high quality components to ensure long life and trouble-free service. Two configurations are offered; OX or XO (X = Sliding Panel and O = Fixed Panel). The configurations should be called out from the clerk's side. A choice of four sill conditions are offered to meet most any jobsite requirement. Satin anodized, bronze anodized, powder painted, and KYNAR® painted finishes are offered, along with custom anodized finishes available.

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 . You can also e-mail us at **transaction@crlaurence.com**. From the home page click on Contact Us, and then click on Technical Sales for Transaction Products.

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

SPECIFICATIONS:

Materials: Aluminum Extrusions; Pile Weatherstrip; Glazing Vinyl; Stainless Steel Shelf or Sill

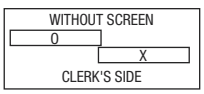
Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted or KYNAR® Painted

Glazing Options: 1/4" to 9/16" (6 to 14 mm) Tempered, Laminated or Tinted Glass; 1/2" (12 mm) or 5/8" (16 mm) Insulating Glass Unit

Option: Fly Fan Switch

To Determine Rough Opening:
Add 1/2" (12 mm) to Width; 1/4" (6 mm) to Height of Frame, Including the Track, Sill or Shelf

NOTE: 26" (660 mm) is the minimum frame width for SCDW Series Windows. 48" to 50" (1219 to 1270 mm) Maximum Height Without Transom Depending on Shelf/Sill.



XO or OX

KYNAR is a registered trademark of Arkema, Inc.

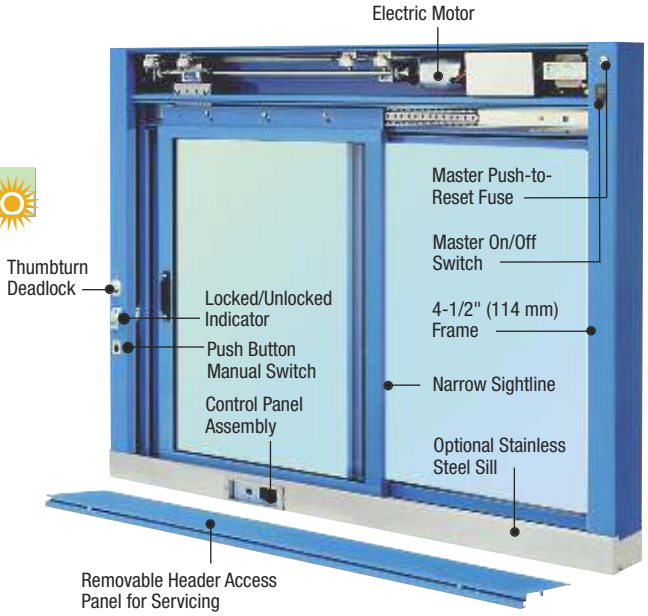
CAT. NO.	CONFIGURATION*	SILL CONDITION	FINISH
SCDW1801A	XO or OX	Aluminum Half Bottom Track	Satin Anodized
SCDW1801DU	XO or OX	Aluminum Half Bottom Track	Bronze Anodized
SCDW1801P	XO or OX	Aluminum Half Bottom Track	Powder Painted (Specify)
SCDW1801K	XO or OX	Aluminum Half Bottom Track	KYNAR® Painted (Specify)
SCDW1802A	XO or OX	Aluminum Full Bottom Track	Satin Anodized
SCDW1802DU	XO or OX	Aluminum Full Bottom Track	Bronze Anodized
SCDW1802P	XO or OX	Aluminum Full Bottom Track	Powder Painted (Specify)
SCDW1802K	XO or OX	Aluminum Full Bottom Track	KYNAR® Painted (Specify)
SCDW1803A	XO or OX	Stainless Steel Sill	Satin Anodized
SCDW1803DU	XO or OX	Stainless Steel Sill	Bronze Anodized
SCDW1803P	XO or OX	Stainless Steel Sill	Powder Painted (Specify)
SCDW1803K	XO or OX	Stainless Steel Sill	KYNAR® Painted (Specify)
SCDW1804A	XO or OX	Stainless Steel Shelf	Satin Anodized
SCDW1804DU	XO or OX	Stainless Steel Shelf	Bronze Anodized
SCDW1804P	XO or OX	Stainless Steel Shelf	Powder Painted (Specify)
SCDW1804K	XO or OX	Stainless Steel Shelf	KYNAR® Painted (Specify)

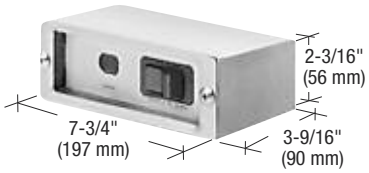
Minimum order: 1 each. * Configuration Determined From Clerk's Side X = Sliding Panel O = Fixed Panel (Specify when ordering).

CRL EDW Series All Electric Fully Automatic Deluxe Sliding Service Windows

- Available in Single and Double Sliding Panel Configurations
- Custom Made to Fit Your Needs
- Stock or Custom Finishes

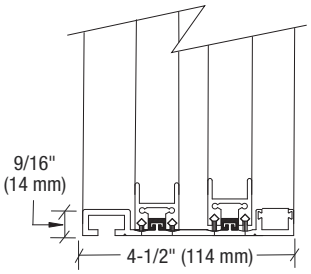
C.R. Laurence is proud to offer our All Electric Fully Automatic Deluxe Sliding Service Windows. These single and double sliding service windows are perfect for drive-thru applications such as fast food restaurants, pharmacies, dry cleaners, or anywhere high quality automatic service windows are required. Safety features include 24V DC, UL/CSA Approved Class 2 Transformer, Auto Reverse if window is blocked, "Soft-Close" feature in "Pinch Zone", and a Mechanical Positive Slip Clutch. 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. You can also e-mail us at **transaction@crlaurence.com**.





CONTROL PANEL ASSEMBLY

EDW1801, EDW1802, EDW3401, and EDW3402 have an infrared sensing device and an automatic/off/manual switch enclosed in a stainless steel housing, mounted separately by the installer. EDW1803, EDW1804, EDW3403, and EDW3404 have the controls built into the bottom of the window - (see photo at right).



CAT. NO. EDW1801, EDW3401

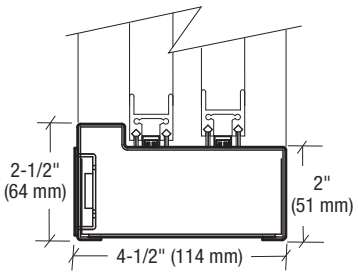
Aluminum Half Bottom Track

Window includes half bottom track. Provides clear service opening with no track under slider.

CAT. NO. EDW1802, EDW3402

Aluminum Full Bottom Track

Window includes full bottom track.

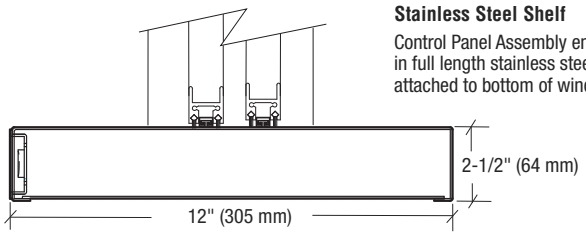


CAT. NO. EDW1803, EDW3403

Stainless Steel Sill

Control Panel Assembly enclosed in full length stainless steel sill attached to bottom of window.

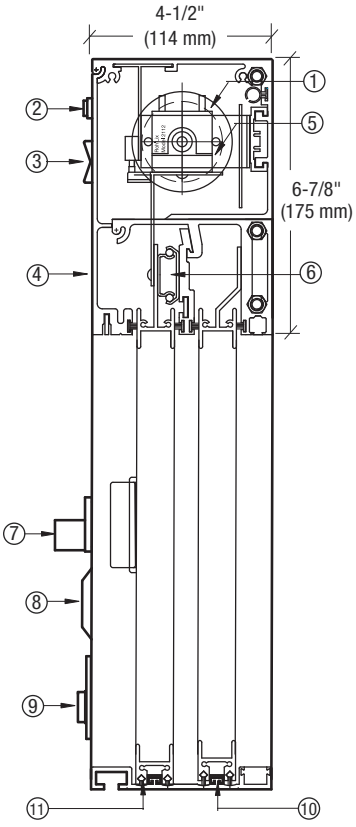
ONLINE ARCHITECTURAL RESOURCES



CAT. NO. EDW1804, EDW3404

Stainless Steel Shelf

Control Panel Assembly enclosed in full length stainless steel shelf attached to bottom of window.



1. 24V DC Electric Motor
2. Master Push-to-Reset Fuse
3. Master Power On/Off Switch
4. Removable Header Access Panel
5. Microprocessor Logic Control Module
6. Heavy-Duty Anti-Lift Ball Bearing Carrier
7. Thumbturn Hook Throw Deadlock*
8. Locked/Unlocked Indicator
9. Push Button Manual Open/Close Switch
10. Vinyl Track (No Metal-to-Metal Rubbing)
11. Poly-Pile Weatherstripping with Fin

* Included on Some Models (0XXO Models Have Keyed Locks)

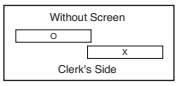
CRL EDW Series All Electric Fully Automatic Deluxe Single Sliding Service Windows (XO or OX)

- XO or OX Series Single Sliding Panel
- Custom Made to Your Required Size
- Stock or Custom Finishes

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

ONLINE ARCHITECTURAL RESOURCES



XO or OX


EDW1801A
Pictured

This XO or OX All Electric Fully Automatic Deluxe Sliding Service Window is perfect for projects that require hands-free operation to take care of transactions. Operation is simple: the clerk steps in front of the window's infrared sensing device, the window slides open and remains open until the clerk walks away. (Open/Close Push Button also included). Each window is custom made to your specifications. XO or OX Series Windows include a thumbturn hook throw deadlock with a locked/unlocked indicator.
NOTE: Minimum overall frame width is 36" (914 mm).

CUSTOM WINDOW SPECIFICATIONS:

Materials: Aluminum Extrusions; Pile Weatherstrip; Glazing Vinyl; Stainless Steel Control Panel Assembly; Thumbturn Hook Throw Deadlock with Locked/Unlocked Indicator
Glazing Options: 1/4" to 1/2" (6 to 12 mm) Tempered, Laminated or Tinted Glass; 1/2" (12 mm) Insulating Glass Unit
Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted or KYNAR® Painted
Other Options: Multiple Infrared Sensing Devices; External "Plug-In" Transformer; Fly Fan Switch
Power Requirements: Hardwire to 115V AC Power Source. Windows less than 47" (1194 mm) Wide will be Supplied with an External "Plug-In" Type Transformer.

CAT. NO.	CONFIGURATION*	SILL CONDITION	FINISH
EDW1801A	XO or OX	Aluminum Half Bottom Track	Satin Anodized
EDW1801DU	XO or OX	Aluminum Half Bottom Track	Bronze Anodized
EDW1801P	XO or OX	Aluminum Half Bottom Track	Powder Painted (Specify)
EDW1801K	XO or OX	Aluminum Half Bottom Track	KYNAR® Painted (Specify)
EDW1802A	XO or OX	Aluminum Full Bottom Track	Satin Anodized
EDW1802DU	XO or OX	Aluminum Full Bottom Track	Bronze Anodized
EDW1802P	XO or OX	Aluminum Full Bottom Track	Powder Painted (Specify)
EDW1802K	XO or OX	Aluminum Full Bottom Track	KYNAR® Painted (Specify)
EDW1803A	XO or OX	Stainless Steel Sill	Satin Anodized
EDW1803DU	XO or OX	Stainless Steel Sill	Bronze Anodized
EDW1803P	XO or OX	Stainless Steel Sill	Powder Painted (Specify)
EDW1803K	XO or OX	Stainless Steel Sill	KYNAR® Painted (Specify)
EDW1804A	XO or OX	Stainless Steel Shelf	Satin Anodized
EDW1804DU	XO or OX	Stainless Steel Shelf	Bronze Anodized
EDW1804P	XO or OX	Stainless Steel Shelf	Powder Painted (Specify)
EDW1804K	XO or OX	Stainless Steel Shelf	KYNAR® Painted (Specify)

Minimum order: 1 each. * Configuration Determined From Clerk's Side X = Sliding Panel O = Fixed Panel (Specify when ordering).

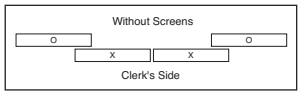
CRL EDW Series All Electric Fully Automatic Deluxe Double Sliding Service Windows (OXXO)

- OXXO Series Double Sliding Panels
- Custom Made to Your Required Size
- Stock or Custom Finishes

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

ONLINE ARCHITECTURAL RESOURCES




EDW3404DU
Pictured

This OXXO All Electric Fully Automatic Deluxe Sliding Service Window is perfect for projects that require hands-free operation to take care of transactions. Operation is simple: The clerk steps in front of the window's infrared sensing device and the two center panels slide outward, leaving a generous size service opening. The sliding panels remain open until the clerk walks away. (Open/Close Push Button also included). Each window is custom made to your specifications. OXXO Series Windows include two keyed locks.
NOTE: Minimum overall frame width is 48" (1219 mm).

CUSTOM WINDOW SPECIFICATIONS:

Materials: Aluminum Extrusions; Pile Weatherstrip; Glazing Vinyl; Stainless Steel Control Panel Assembly; Keyed Locks
Glazing Options: 1/4" to 1/2" (6 to 12 mm) Tempered, Laminated or Tinted Glass; 1/2" (12 mm) Insulating Glass Unit
Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted or KYNAR® Painted
Other Options: Multiple Infrared Sensing Devices; External "Plug-In" Transformer; Fly Fan Switch
Power Requirements: Hardwire to 115V AC Power Source. Windows less than 47" (1194 mm) Wide will be supplied with an External "Plug-In" Type Transformer.

KYNAR is a registered trademark of Arkema, Inc.

CAT. NO.	CONFIGURATION	SILL CONDITION	FINISH
EDW3401A	OXXO	Aluminum Half Bottom Track	Satin Anodized
EDW3401DU	OXXO	Aluminum Half Bottom Track	Bronze Anodized
EDW3401P	OXXO	Aluminum Half Bottom Track	Powder Painted (Specify)
EDW3401K	OXXO	Aluminum Half Bottom Track	KYNAR® Painted (Specify)
EDW3402A	OXXO	Aluminum Full Bottom Track	Satin Anodized
EDW3402DU	OXXO	Aluminum Full Bottom Track	Bronze Anodized
EDW3402P	OXXO	Aluminum Full Bottom Track	Powder Painted (Specify)
EDW3402K	OXXO	Aluminum Full Bottom Track	KYNAR® Painted (Specify)
EDW3403A	OXXO	Stainless Steel Sill	Satin Anodized
EDW3403DU	OXXO	Stainless Steel Sill	Bronze Anodized
EDW3403P	OXXO	Stainless Steel Sill	Powder Painted (Specify)
EDW3403K	OXXO	Stainless Steel Sill	KYNAR® Painted (Specify)
EDW3404A	OXXO	Stainless Steel Shelf	Satin Anodized
EDW3404DU	OXXO	Stainless Steel Shelf	Bronze Anodized
EDW3404P	OXXO	Stainless Steel Shelf	Powder Painted (Specify)
EDW3404K	OXXO	Stainless Steel Shelf	KYNAR® Painted (Specify)

Minimum order: 1 each. X = Sliding Panel O = Fixed Panel.

CRL Bi-Fold Service Windows

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

- Select From Manual or Semi-Automatic Operation

C.R. Laurence Bi-Fold Service Windows are perfect anywhere a high quality bi-folding window is required. Features include two panels that simultaneously open outward towards the customer, and a burglar bar for extra security. Projected and Flush Mount models are available in two different configurations: **MANUAL** - Both panels move simultaneously as either panel is manually operated. **SEMI-AUTOMATIC** - Opening the window is achieved by pushing on the hip activated slide bar. Step away from the window and the two panels automatically close. Custom sizes and custom paint colors are available by special order. 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 . You can also e-mail us at **transaction@crlaurence.com**.

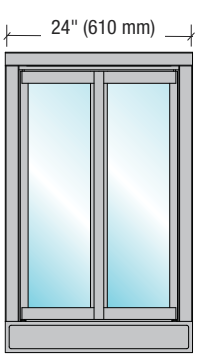
CRL BFW Series Flush Mount Manual Bi-Fold Service Windows

- Available in Stock or Custom Sizes, and Stock or Custom Finishes

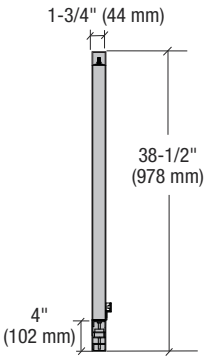
CRL US ALUMINUM MANUFACTURED IN THE USA

SPECIFICATIONS:

Materials: Aluminum Extrusions; Pile Weatherstrip; Glazing Vinyl; Stainless Steel Shelf or Stainless Steel Sill
Glazing: 1/4" (6 mm) Clear Tempered Glass
Stock Finishes: Satin Anodized or Bronze Anodized
Custom Finishes: Custom Anodized, Powder Painted or KYNAR® Painted
Bi-Fold Operation: Manual
To Determine Rough Opening:
Add 1/2" (12 mm) to Width, 1/4" (6 mm) to Height



Front View



Side View



Flush Mount Manual Model
(Viewed from Clerk's Side)

CAT. NO.	WINDOW TYPE	SERVICE OPENING SIZE (W X H)	OVERALL SIZE (W X H)	FINISH
BFW1A	Flush Mount Manual	17-3/4" x 32-1/4" (451 x 819 mm)	24" x 38-1/2" (610 x 978 mm)	Satin Anodized
BFW1DU	Flush Mount Manual	17-3/4" x 32-1/4" (451 x 819 mm)	24" x 38-1/2" (610 x 978 mm)	Bronze Anodized
BFW1C	Flush Mount Manual	Custom Model - Must Specify	Custom Model – Must Specify	Specify Color

INTERIOR EXTERIOR

Minimum order: 1 each.

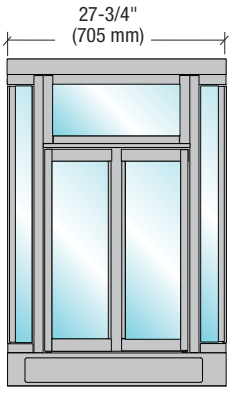
CRL BFW Series Projected Manual Bi-Fold Service Windows

- Available in Stock or Custom Sizes, and Stock or Custom Finishes

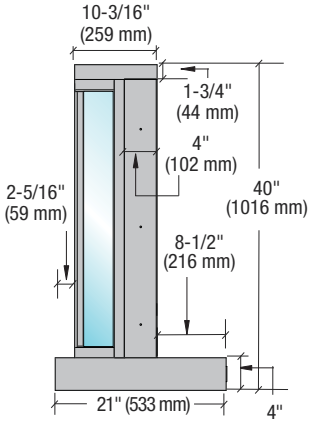
CRL US ALUMINUM MANUFACTURED IN THE USA

SPECIFICATIONS:

Materials: Aluminum Extrusions; Pile Weatherstrip; Glazing Vinyl; Stainless Steel Shelf or Stainless Steel Sill
Glazing: 1/4" (6 mm) Clear Tempered Glass
Stock Finishes: Satin Anodized or Bronze Anodized
Custom Finishes: Custom Anodized, Powder Painted or KYNAR® Painted
Bi-Fold Operation: Manual
To Determine Rough Opening:
Add 1/2" (12 mm) to Width, 1/4" (6 mm) to Height



Front View



Side View



Projected Manual Model
(Viewed from Clerk's Side)

CAT. NO.	WINDOW TYPE	SERVICE OPENING SIZE (W X H)	OVERALL SIZE (W X H)	FINISH
BFW2A	Projected Manual	15" x 25" (381 x 635 mm)	27-3/4" x 40" (705 x 1016 mm)	Satin Anodized
BFW2DU	Projected Manual	15" x 25" (381 x 635 mm)	27-3/4" x 40" (705 x 1016 mm)	Bronze Anodized
BFW2C	Projected Manual	Custom Model - Must Specify	Custom Model – Must Specify	Specify Color

INTERIOR EXTERIOR

Minimum order: 1 each.

KYNAR is a registered trademark of Arkema, Inc.

CRL BI-FOLD SERVICE WINDOWS

CRL SCBFW Series Flush Mount Semi-Automatic Bi-Fold Service Windows

INTERIOR EXTERIOR

CRL US ALUMINUM MANUFACTURED IN THE USA

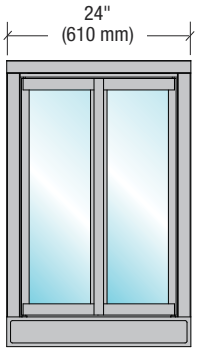
ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

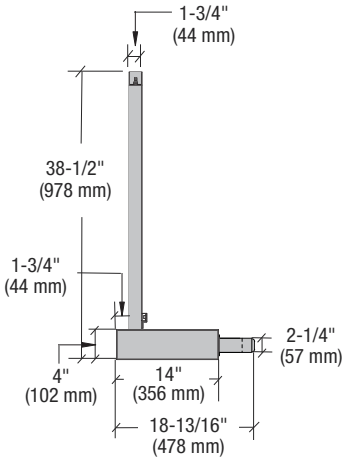
- Hip-Activated Opening Feature
- Self-Closing
- Stock or Custom Sizes Available
- Satin Anodized, Bronze Anodized, and Custom Finishes Available

SPECIFICATIONS:

Materials: Aluminum Extrusions; Pile Weatherstrip; Glazing Vinyl; Stainless Steel Shelf or Stainless Steel Sill
Glazing: 1/4" (6 mm) Clear Tempered Glass
Stock Finishes: Satin Anodized or Bronze Anodized
Custom Finishes: Custom Anodized, Powder Painted or KYNAR® Painted
Bi-Fold Operation: Semi-Automatic
To Determine Rough Opening:
Add 1/2" (12 mm) to Width, 1/4" (6 mm) to Height



Front View



Side View


Flush Mount Semi-Automatic Model
(Viewed from Clerk's Side)

CAT. NO.	WINDOW TYPE	SERVICE OPENING SIZE (W X H)	OVERALL SIZE (W X H)	FINISH
SCBFW1A	Flush Mount Semi-Automatic	17-3/4" x 32-1/4" (451 x 819 mm)	24" x 38-1/2" (610 x 978 mm)	Satin Anodized
SCBFW1DU	Flush Mount Semi-Automatic	17-3/4" x 32-1/4" (451 x 819 mm)	24" x 38-1/2" (610 x 978 mm)	Bronze Anodized
SCBFW1C	Flush Mount Semi-Automatic	Custom Model – Must Specify	Custom Model – Must Specify	Specify Color

Minimum order: 1 each.

CRL SCBFW Series Projected Semi-Automatic Bi-Fold Service Windows

INTERIOR EXTERIOR

CRL US ALUMINUM MANUFACTURED IN THE USA

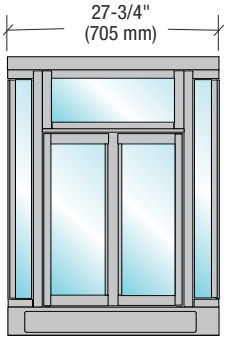
ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

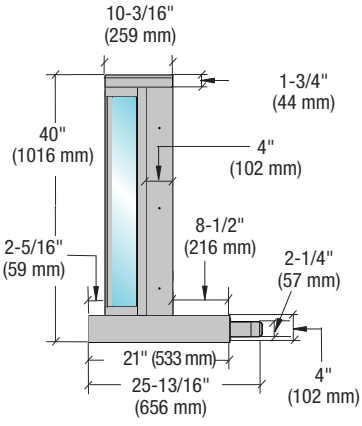
- Hip-Activated Opening Feature
- Self-Closing
- Stock or Custom Sizes Available

SPECIFICATIONS:

Materials: Aluminum Extrusions; Pile Weatherstrip; Glazing Vinyl; Stainless Steel Shelf or Stainless Steel Sill
Glazing: 1/4" (6 mm) Clear Tempered Glass
Stock Finishes: Satin Anodized or Bronze Anodized
Custom Finishes: Custom Anodized, Powder Painted or KYNAR® Painted
Bi-Fold Operation: Semi-Automatic
To Determine Rough Opening:
Add 1/2" (12 mm) to Width, 1/4" (6 mm) to Height



Front View



Side View


Projected Semi-Automatic Model
(Viewed from Clerk's Side)

CAT. NO.	WINDOW TYPE	SERVICE OPENING SIZE (W X H)	OVERALL SIZE (W X H)	FINISH
SCBFW2A	Projected Semi-Automatic	15" x 25" (381 x 635 mm)	27-3/4" x 40" (705 x 1016 mm)	Satin Anodized
SCBFW2DU	Projected Semi-Automatic	15" x 25" (381 x 635 mm)	27-3/4" x 40" (705 x 1016 mm)	Bronze Anodized
SCBFW2C	Projected Semi-Automatic	Custom Model – Must Specify	Custom Model – Must Specify	Specify Color

Minimum order: 1 each.

KYNAR is a registered trademark of Arkema, Inc.

CRL SW Series Manual Standard Sliding Service Windows

CRL US ALUMINUM MANUFACTURED IN THE USA

ONLINE INSTALLATION RESOURCES

- For Light Duty Applications of 50 or Fewer Uses Per Day
- Vertical and Horizontal Formats
- Each Unit is Customized to Your Needs

NOTE: An overhang or awning is recommended if windows are used in an exterior application

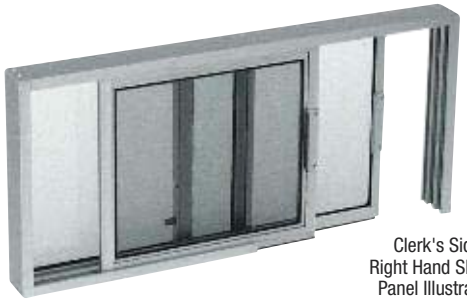
"SW" Series Service Windows are available for interior or exterior applications, with a variety of formats and options to choose from. Uses include walk-up food service, receptionist or pharmacy windows. Vertical Windows include nylon runners over coiled tension springs to provide smooth operation. Horizontal Windows operate with top nylon guides. For larger Horizontal Windows, a full bottom track with rollers is required. Large Vertical Windows require sash balances. **NOTE:** Size restrictions apply. For Horizontal Windows the maximum height is 48" (1219 mm), and 42" (1067 mm) for XX format units. Transoms and sidelites are available for larger openings. Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can also e-mail us at **transaction@crlaurence.com**.

CRL SW Series Single Sliding Horizontal Service Windows (XO or OX)

- Single Opening and Single Fixed Panel
- Available With or Without a Screen

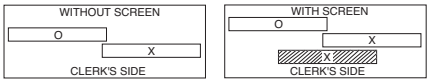
INTERIOR EXTERIOR

These Horizontal Sliding Service Windows have one sliding and one fixed panel. Models are available non-glazed or pre-glazed with your choice of 1/8" (3 mm) or 1/4" (6 mm) tempered glass, or 1/2" (12 mm) insulating glass, either with or without a screen. All windows are shipped assembled. **NOTE:** Specify left or right hand sliding panel (from clerk's side) when ordering. Surround Frame is not available for insulating glass models. If ordered with a Keyed Lock the screen panel will be installed in the center channel. An overhang is recommended if used in an exterior application.



Clerk's Side Right Hand Sliding Panel Illustrated

ONLINE ARCHITECTURAL RESOURCES



CAT. NO.	GLAZING	SCREEN
SW1800	1/4" (6 mm) or 1/8" (3 mm) Vinyl Only	No
SW1814	1/4" (6 mm) Glass	No
SW1818	1/8" (3 mm) Glass	No
SW2000	1/4" (6 mm) or 1/8" (3 mm) Vinyl Only	Yes
SW2014	1/4" (6 mm) Glass	Yes
SW2018	1/8" (3 mm) Glass	Yes
SW2200	1/2" (12 mm) Vinyl Only for I.G. Unit	No
SW2212	1/2" (12 mm) Insulating Glass	No
SW2400	1/2" (12 mm) Vinyl Only for I.G. Unit	Yes
SW2412	1/2" (12 mm) Insulating Glass	Yes

Minimum order: 1 each.

SPECIFICATIONS:

Materials: Extruded Aluminum; Tempered Safety Glass (on some models)
Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted or KYNAR® Painted
Glazing: 1/8" (3 mm) or 1/4" (6 mm) Tempered Glass; 1/2" (12 mm) Insulating Glass (on some models); Vinyl Supplied on All Models

CRL SW Series Single Sliding Horizontal Service Windows (X- or -X)

- For Pocket Glaze or Surface Mount Installation

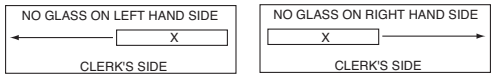
INTERIOR EXTERIOR

This Horizontal Sliding Service Window is designed for surface mount or pocket installation, as glass is installed in the sliding panel only. Windows can be supplied with vinyls only for your choice of 1/8" (3 mm) or 1/4" (6 mm) glazing materials. Units pre-glazed with 1/8" (3 mm) or 1/4" (6 mm) tempered glass in the sliding panel are also available. A Slide Lock is standard on this window, but a Pin Lock can also be ordered as an option. Units are shipped assembled, ready for glazing and installation. **NOTE:** Specify handing when ordering; left hand or right hand sliding panel from clerk's side. For pocket installations an opening equal to the overall size of the sliding panel is required on one side. Keyed Locks and Surround Frames are not available for this model. An overhang is recommended if used in an exterior application.



Clerk's Side Right Hand Sliding Panel Illustrated

ONLINE ARCHITECTURAL RESOURCES



CAT. NO.	GLAZING	SCREEN
SW1600	1/4" (6 mm) or 1/8" (3 mm) Vinyl Only	No
SW1614	1/4" (6 mm) Glass	No
SW1618	1/8" (3 mm) Glass	No

Minimum order: 1 each.

SPECIFICATIONS:

Materials: Extruded Aluminum; Tempered Safety Glass (On Some Models)
Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted or KYNAR® Painted
Glazing: 1/8" (3 mm) or 1/4" (6 mm) Tempered Glass; Vinyl Supplied on All Models

KYNAR is a registered trademark of Arkema, Inc.

CRL SW Series Sliding Horizontal Service Windows (XX)

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

- Dual Bypassing Panels
- Available With or Without a Screen

CRL US ALUMINUM MANUFACTURED IN THE USA

These Horizontal Sliding Service Windows have two bypassing sliding panels that are secured by jamb pins when closed. One or both can be secured at any time. Models are available non-glazed or pre-glazed with your choice of 1/8" (3 mm) or 1/4" (6 mm) tempered glass, or 1/2" (12 mm) insulating glass, either with or without a screen. All windows are shipped assembled. **NOTE:** Surround Frame and Keyed Locks are not available for this window format. An overhang is recommended if used in an exterior application. 42" (1067 mm) is the maximum height for XX windows.

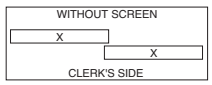


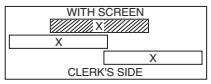
Clerk's Side

SPECIFICATIONS:

Materials: Extruded Aluminum; Tempered Safety Glass (on some models); Fiberglass Screen (on some models)
Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted or KYNAR® Painted
Glazing: 1/8" (3 mm) or 1/4" (6 mm) Tempered Glass; 1/2" (12 mm) Insulating Glass (on some models); Vinyl Supplied on All Models







CAT. NO.	GLAZING	SCREEN
SW4200	1/4" (6 mm) or 1/8" (3 mm) Vinyl Only	No
SW4214	1/4" (6 mm) Glass	No
SW4218	1/8" (3 mm) Glass	No
SW4400	1/4" (6 mm) or 1/8" (3 mm) Vinyl Only	Yes
SW4414	1/4" (6 mm) Glass	Yes
SW4418	1/8" (3 mm) Glass	Yes
SW4600	1/2" (12 mm) Vinyl Only for I.G. Unit	No
SW4612	1/2" (12 mm) Insulating Glass	No
SW4800	1/2" (12 mm) Vinyl Only for I.G. Unit	Yes
SW4812	1/2" (12 mm) Insulating Glass	Yes

Minimum order: 1 each.

CRL SW Series Sliding Horizontal Service Windows (OXO)

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

- Single Opening Panel Flanked by Two Fixed Panels

CRL US ALUMINUM MANUFACTURED IN THE USA

These Horizontal Sliding Service Windows have one sliding and two fixed panels. Models are available non-glazed or pre-glazed with your choice of 1/8" (3 mm) or 1/4" (6 mm) tempered glass, or 1/2" (12 mm) insulating glass, either with or without a screen. All units are shipped assembled. **NOTE:** Window is normally shipped with the sliding glass panel moving to the clerk's right. Left hand sliding is optional, and must be specified at time of order. Surround Frame not available for insulating glass models. An overhang is recommended if used in an exterior application.

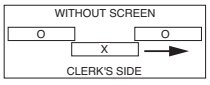


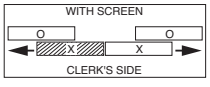
Clerk's Side
Right Hand Sliding Panel Illustrated

SPECIFICATIONS:

Materials: Extruded Aluminum; Tempered Safety Glass (on some models); Fiberglass Screen (on some models)
Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted or KYNAR® Painted
Glazing: 1/8" (3 mm) or 1/4" (6 mm) Tempered Glass; 1/2" (12 mm) Insulating Glass (on some models); Vinyl Supplied on All Models







CAT. NO.	GLAZING	SCREEN
SW2600	1/4" (6 mm) or 1/8" (3 mm) Vinyl Only	No
SW2614	1/4" (6 mm) Glass	No
SW2618	1/8" (3 mm) Glass	No
SW2800	1/4" (6 mm) or 1/8" (3 mm) Vinyl Only	Yes
SW2814	1/4" (6 mm) Glass	Yes
SW2818	1/8" (3 mm) Glass	Yes
SW3000	1/2" (12 mm) Vinyl Only for I.G. Unit	No
SW3012	1/2" (12 mm) Insulating Glass	No
SW3200	1/2" (12 mm) Vinyl Only for I.G. Unit	Yes
SW3212	1/2" (12 mm) Insulating Glass	Yes

Minimum order: 1 each.

KYNAR is a registered trademark of Arkema, Inc.

CRL SW Series Sliding Horizontal Service Windows (XOX)

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

- Glass and Screen Panels on Either End Can be Opened as Required

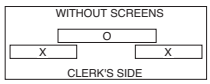
CRL US ALUMINUM MANUFACTURED IN THE USA

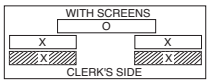
This Horizontal Sliding Service Window has two sliding panels plus a fixed center panel. The center panel's width is twice that of the sliding side panels so both may be opened at one time. Units are normally shipped with vinyls for 1/8" (3 mm) or 1/4" (6 mm) glazing materials. Windows may also be ordered pre-glazed with 1/8" (3 mm) or 1/4" (6 mm) tempered glass, or 1/2" (12 mm) insulating glass. **NOTE:** If ordered with Keyed Locks the sliding screens will be installed in the center channel. Surround Frame not available for insulating glass models. An overhang is recommended if used in an exterior application.



Clerk's Side

INTERIOR EXTERIOR





SPECIFICATIONS:

Materials: Extruded Aluminum; Tempered Safety Glass (On Some Models); Fiberglass Screen (On Some Models)
Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted or KYNAR® Painted
Glazing: 1/8" (3 mm) or 1/4" (6 mm) Tempered Glass; 1/2" (12 mm) Insulating Glass (On Some Models); Vinyl Supplied on All Models

CAT. NO.	GLAZING	SCREEN
SW5000	1/4" (6 mm) or 1/8" (3 mm) Vinyl Only	No
SW5014	1/4" (6 mm) Glass	No
SW5018	1/8" (3 mm) Glass	No
SW5200	1/4" (6 mm) or 1/8" (3 mm) Vinyl Only	Yes
SW5214	1/4" (6 mm) Glass	Yes
SW5218	1/8" (3 mm) Glass	Yes
SW5400	1/2" (12 mm) Vinyl Only for I.G. Unit	No
SW5412	1/2" (12 mm) Insulating Glass	No
SW5600	1/2" (12 mm) Vinyl Only for I.G. Unit	Yes
SW5612	1/2" (12 mm) Insulating Glass	Yes

Minimum order: 1 each.

CRL SW Series Sliding Horizontal Service Windows (OXXO)

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

- Dual Panels Slide Outward
- Available With or Without a Screen

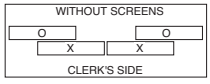
CRL US ALUMINUM MANUFACTURED IN THE USA

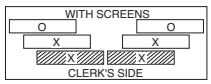
These Horizontal Sliding Service Windows have two sliding and two fixed panels. Models are available non-glazed or pre-glazed with your choice of 1/8" (3 mm) or 1/4" (6 mm) tempered glass, or 1/2" (12 mm) insulating glass, either with or without a screen. All units are shipped assembled.
NOTE: Surround Frame not available for insulating glass models. An overhang is recommended if used in an exterior application.



Clerk's Side

INTERIOR EXTERIOR





SPECIFICATIONS:

Materials: Extruded Aluminum; Tempered Safety Glass (On Some Models); Fiberglass Screen (On Some Models)
Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted or KYNAR® Painted
Glazing: 1/8" (3 mm) or 1/4" (6 mm) Tempered Glass; 1/2" (12 mm) Insulating Glass (On Some Models); Vinyl Supplied on All Models

CAT. NO.	GLAZING	SCREEN
SW3400	1/4" (6 mm) or 1/8" (3 mm) Vinyl Only	No
SW3414	1/4" (6 mm) Glass	No
SW3418	1/8" (3 mm) Glass	No
SW3600	1/4" (6 mm) or 1/8" (3 mm) Vinyl Only	Yes
SW3614	1/4" (6 mm) Glass	Yes
SW3618	1/8" (3 mm) Glass	Yes
SW3800	1/2" (12 mm) Vinyl Only for I.G. Unit	No
SW3812	1/2" (12 mm) Insulating Glass	No
SW4000	1/2" (12 mm) Vinyl Only for I.G. Unit	Yes
SW4012	1/2" (12 mm) Insulating Glass	Yes

Minimum order: 1 each.

KYNAR is a registered trademark of Arkema, Inc.

CRL STANDARD SERVICE WINDOWS

CRL SW Series Sliding Horizontal Service Window Specifications and Options

Use These Specifications to Design the SW Series Sliding Horizontal Window of Your Choice

QUANTITY _____ **FRAME WIDTH** _____ **FRAME HEIGHT** _____

GLAZING:
- ❑ Glass By CRL
- ❑ Unglazed (Vinyl Provided)

Thickness:
- ❑ 1/8" (3 mm)
- ❑ 1/4" (6 mm)
- ❑ 1/2" Insulating (12 mm) (Some Models)

Type:
- ❑ Tempered
- ❑ Wire
- ❑ Tinted _____
- ❑ Laminated
- ❑ Insulated Glass

TYPE OF SLIDER:
- ❑ With Screen
- ❑ Without Screen
- ❑ Pocket or Surface Mount (No Glass in Fixed Frame)

FINISH:
- ❑ Satin Anodized
- ❑ Bronze Anodized
- ❑ Custom Anodized (Specify Finish) _____
- ❑ Powder Paint (Specify Color)* _____
- ❑ Custom KYNAR® Paint (Specify Color)* _____

*Painted windows must be factory glazed.

CONFIGURATION:
- ❑ OX or XO (From Clerk's Side)
- ❑ OXO
- ❑ OXXO
- ❑ XX (42" [1067 mm] Maximum Height)
- ❑ XOX (25%-50%-25%)

OPTIONS:
- ❑ Keyed Lock
- ❑ Stainless Steel Shelf
- ❑ Laminated Shelf
- ❑ Transom/Sidelite
- ❑ Surround Frame (Not Available On All Models)
- ❑ No Track Under Sliding Panels
- ❑ Full Bottom Track (Required for Windows Over 36" [914 mm] High)

Glazing Options

All Sliding Service Windows can be supplied with your choice of glazing vinyls, pre-glazed with 1/4" (6 mm) tempered glass, or with a 1/2" (12 mm) insulating glass unit. **NOTE:** 1/8" (3 mm) tempered glass and 1/2" (12 mm) insulating glass are options for horizontal format windows only.



1/8" (3 mm) Vinyl | 1/4" (6 mm) Vinyl | 1/2" (12 mm) Vinyl | 1/8" (3 mm) Glass | 1/4" (6 mm) Glass | 1/2" (12 mm) Insulating Glass

Shelf Options

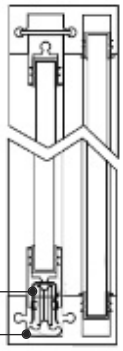


Stainless Steel Shelf Shown

Stainless Steel or Plastic Laminate Shelves can be mounted to any window format. Brushed Stainless Steel Shelves are available in 12" or 18" (305 or 457 mm) depths, as well as custom.

Full Bottom Track Option

A Full Bottom Track with Wheels can be added to any horizontal window. When added, larger sliding panels operate smoothly in conjunction with the top nylon guides.

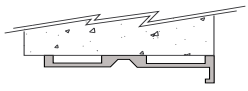


Frame Finishes

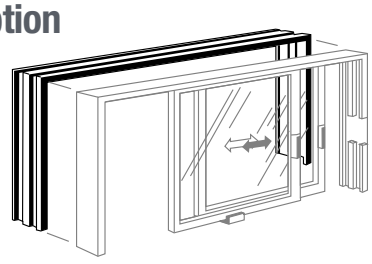
Frames for all Sliding Service Windows are constructed of extruded aluminum in your choice of satin anodized, bronze anodized, custom anodized, or any of the powder paint or KYNAR® paint colors.

NOTE: All painted windows are factory glazed.

Surround Frame Option

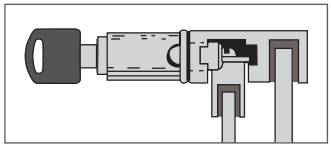


Surround Frame Extrusion



Optional extruded aluminum Surround Frame provides for easy installation or removal of Sliding Service Window unit. Available for most series. Surround Frames are available in finishes to match Sliding Service Windows.

Keyed Lock Option



Typical Keyed Lock Installation



Keyed Lock Option is available for most horizontal and vertical window formats. In the vertical format, Keyed Locks mount in the jambs above the vent panel. In most horizontal applications, the Keyed Lock mounts in the header. Locks are also available keyed alike.

CAT. NO. LK54

KYNAR is a registered trademark of Arkema, Inc.

CRL STANDARD SERVICE WINDOWS

MORE CHOICES
crlaurence.com/vertical-windows

CRL Vertical Sliding Service Windows

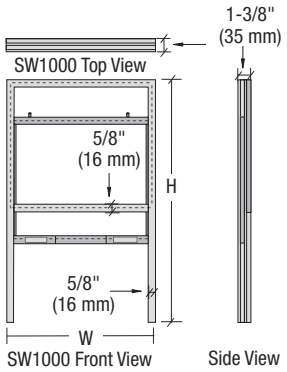
ONLINE ARCHITECTURAL RESOURCES

ONLINE INSTALLATION RESOURCES

- Fixed Top Panel; Sliding Lower Panel
- Available With or Without a Screen
- Available Pre-Glazed or Non-Glazed

CRL US ALUMINUM MANUFACTURED IN THE USA

These Vertical Sliding Service Windows have one lower sliding panel and one fixed upper panel. They can be supplied with vinyl to accommodate 1/4" (6 mm) glazing materials, or ordered pre-glazed with 1/4" (6 mm) tempered or laminated glass. Some units are also available with a sliding screen. All windows are shipped assembled, ready for glazing and installation. **NOTE:** Windows exceeding 1050 square inches (width x height) have a 4-5/8" (117 mm) high cover plate at the top of the frame to conceal sash balances (see page T425). An overhang is recommended if used in an exterior application.





SERIES 1000
NO SCREEN
1-3/8" (35 mm)
Frame



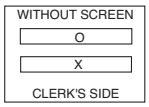
SERIES 1200
WITH SCREEN
2-1/4" (57 mm)
Frame

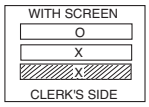
Clerk's Side

SPECIFICATIONS:

Materials: Extruded Aluminum; Fiberglass Screen (On Some Models)
Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted or KYNAR® Painted. Painted Units Ship Glazed Only.
Glazing: 1/4" (6 mm) Tempered or Laminated Glass (On Some Models); Vinyl Supplied on All Models







STOCK SIZE MODELS

CAT. NO.	SIZE (W X H)	FINISH	GLAZING	SCREEN
V1530	15" x 30" (381 x 762 mm)	Satin Anodized	1/4" (6 mm) Vinyl Only	Yes
V1530DU	15" x 30" (381 x 762 mm)	Bronze Anodized	1/4" (6 mm) Vinyl Only	Yes
V2436	24" x 36" (610 x 914 mm)	Satin Anodized	1/4" (6 mm) Vinyl Only	Yes
V2436DU	24" x 36" (610 x 914 mm)	Bronze Anodized	1/4" (6 mm) Vinyl Only	Yes

Minimum order: 1 each.

CUSTOM SIZE MODELS

CAT. NO.	GLAZING	SCREEN
SW1000	1/4" (6 mm) Vinyl Only	No
SW1014	1/4" (6 mm) Glass	No
SW1200	1/4" (6 mm) Vinyl Only	Yes
SW1214	1/4" (6 mm) Glass	Yes

Minimum order: 1 each.

CRL Surface Mount or Pocket Glaze Vertical Sliding Service Windows

ONLINE ARCHITECTURAL RESOURCES

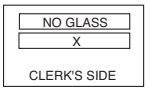
ONLINE INSTALLATION RESOURCES

- No Glazing in Top Panel
- Lower Panel Available Non-Glazed or Pre-Glazed



These Vertical Sliding Service Windows are designed for surface mount or pocket installation. They feature a lower opening panel that slides up into the empty upper frame. Windows can be supplied only with vinyl to accommodate 1⁄4" (6 mm) thick glazing materials. Pre-glazed units with 1⁄4" (6 mm) tempered glass (sliding panel only) may also be ordered. A slide lock is mounted on the lower channel. All windows are shipped assembled, ready for glazing and installation. Size restrictions apply.

CRL US ALUMINUM MANUFACTURED IN THE USA





Pocket Installation



Clerk's Side

SPECIFICATIONS:

Materials: Extruded Aluminum
Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted or KYNAR® Painted.
Glazing: 1/4" (6 mm) Tempered or Laminated Glass (on some models); Vinyl Supplied on All Models

CAT. NO.	GLAZING	SCREEN
SW1400	1/4" (6 mm) Vinyl Only	No
SW1414	1/4" (6 mm) Glass	No

Minimum order: 1 each.

KYNAR is a registered trademark of Arkema, Inc.

CRL STANDARD SERVICE WINDOWS

CRL Vertical Sliding Service Windows With Sash Balances

ONLINE ARCHITECTURAL RESOURCES

ONLINE INSTALLATION RESOURCES

- For Windows Exceeding 1050 Square Inches (Width x Height)
- Available With or Without a Screen
- Available Pre-Glazed or Non-Glazed

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

All larger Vertical Format Service Windows which exceed 1050 square inches (width x height) require Sash Balances. They are concealed behind a 4-5/8" (117 mm) tall header. An overhang is recommended if used in an exterior application.



SERIES SWB1000
WITH SASH BALANCES
NO SCREEN

Clerk's Side



SERIES V3636/SWB1200
WITH SASH BALANCES
AND SCREEN

Clerk's Side

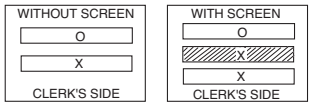


SERIES SWB1400
WITH SASH BALANCES
NO SCREEN, NO TOP PANEL

Clerk's Side

SPECIFICATIONS:

Materials: Extruded Aluminum; Fiberglass Screen (On Some Models)
Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted or KYNAR® Painted. Painted Units Ship Glazed Only.
Glazing: 1/4" (6 mm) Tempered or Laminated Glass (On Some Models); Vinyl Supplied on All Models



STOCK SIZE MODELS

CAT. NO.	SIZE (W X H)	FINISH	GLAZING	SCREEN
V3636	36" x 36" (914 x 914 mm)	Satin Anodized	1/4" (6 mm) Vinyl Only	Yes
V3636DU	36" x 36" (914 x 914 mm)	Bronze Anodized	1/4" (6 mm) Vinyl Only	Yes

Minimum order: 1 each.

CUSTOM SIZE MODELS

CAT. NO.	GLAZING	SCREEN
SWB1000	1/4" (6 mm) Vinyl Only	No
SWB1014	1/4" (6 mm) Glass	No
SWB1200	1/4" (6 mm) Vinyl Only	Yes
SWB1214	1/4" (6 mm) Glass	Yes
SWB1400	Pocket 1/4" (6 mm) Vinyl Only	No
SWB1414	Pocket 1/4" (6 mm) Glass	No

Minimum order: 1 each.

CRL Vertical Sliding Window Specifications and Options

Use These Specifications to Design the SW Series Vertical Sliding Window of Your Choice

QUANTITY _____ FRAME WIDTH _____ FRAME HEIGHT _____

GLAZING:
- ❑ Unglazed

Thickness:
- ❑ 1/4" (6 mm)

Type:
- ❑ Tempered
- ❑ Wire
- ❑ Tinted _____
- ❑ Laminated

TYPE OF SLIDER:
- ❑ With Screen
- ❑ Without Screen
- ❑ Pocket or Surface Mount (No Glass in Fixed Frame)

FINISH:
- ❑ Satin Anodized
- ❑ Bronze Anodized
- ❑ Custom Anodized (Specify Finish) _____
- ❑ Powder Paint (Specify Color)* _____
- ❑ Custom KYNAR® Paint (Specify Color)* _____

*Painted windows must be factory glazed.

OPTIONS:
- ❑ Keyed Lock
- ❑ Stainless Steel Shelf
- ❑ Laminated Shelf
- ❑ Transom/Sidelite
- ❑ Surround Frame (Not Available On All Models)
- ❑ Sash Balances (Window Over 1050 Square Inches)

CRL Sash Balances

- Replacements for Vertical Sliders



Sash Balances are required for larger Vertical Format Service Windows exceeding 1050 square inches (width x height). Order Cat. No. SWSB10 for Replacement Sash Balances. Includes a pair of balances, one for the left side and one for the right side.

CRL Mars® Service Window Air Curtain (Fly Fan)

- Forced Air Keeps Out Insects, Dust, and Car Exhaust Fumes
- Perfect for Drive-Thru and Walk-Up Service Window Applications
- 25" (635 mm) Wide Unit for Window Sizes Up to 60" (1524 mm) High and 30" (762 mm) Wide
- Available Separate or Pre-Installed in CRL Window Frame
- Heated and Non-Heated Units Available





Compact and convenient, CRL Mars® Service Window Air Curtains create an advanced air barrier to insects, dust, and fumes without disturbing customers or employees. Standard models operate on 115V AC. 208/230V models available on special order.

CRL offers an optional integrated micro-switch concealed in our windows, which will automatically turn the Air Curtain on as the window opens and off as the window closes.

CAT. NO.	TYPE	FINISH
CRLLPV25	Unheated	Black
CRLELPV25	Heated	Black

Minimum order: 1 each.

KYNAR is a registered trademark of Arkema, Inc.

CRL Ticket Window With Speak-Thru and Swing-Away Cover Plate

INTERIOR
EXTERIOR

- Complete With Speak-Thru, Half-Round Swing-Away Cover Plate, and Stainless Steel Shelf
- Stock Window Ready to Ship, or Custom Sizes Available

ONLINE ARCHITECTURAL RESOURCES

ONLINE INSTALLATION RESOURCES

This Ticket Window unit is ready for immediate installation. It includes an aluminum framed stationary 1/4" (6 mm) clear tempered glass window, a Cat. No. 834A Speak-Thru, and a Cat. No. 720A Half-Round Swing-Away Cover Plate. This sits atop a stainless steel shelf measuring 24" (610 mm) wide x 18" (457 mm) deep x 2" (51 mm) thick. Standard unit is shipped unattached to stainless steel shelf. This Ticket Window is also available custom built to your requirements for size and finish. An overhang is recommended for exterior use.

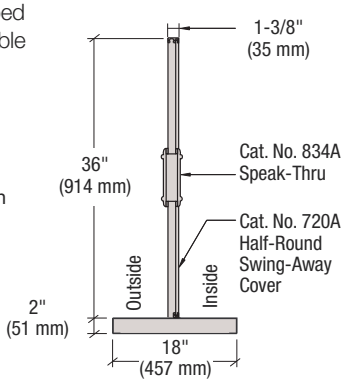
SPECIFICATIONS:
Materials: Aluminum Extrusion; Tempered Safety Glass; Stainless Steel
Finishes: Frame - Satin Anodized; Shelf - Brushed Stainless Steel # 4 Finish
Glazing: 1/4" (6 mm) Tempered Safety Glass
Bullet Resistance: Not Rated

CAT. NO.	WIDTH	DEPTH	HEIGHT
SCW102N	24" (610 mm)	18" (457 mm)	38" (965 mm)
SCW102C*	Specify	Specify	Specify

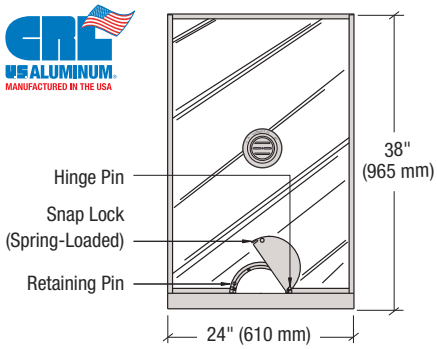
Minimum order: 1 each. * Custom made to your requirements.







Side View



Front View

CRL Cashier Window With Speak-Thru and Recessed Coin and Cash Tray

- Includes Stainless Steel Shelf With Built-In Deal Tray and Speak-Thru
- Stock Window Ready to Ship, or Custom Sizes Available

ONLINE ARCHITECTURAL RESOURCES

ONLINE INSTALLATION RESOURCES

This Cashier Window unit has a stationary tempered 1/4" (6 mm) clear glass window surrounded by a satin finish aluminum frame. A Cat. No. 834A Speak-Thru is supplied with the window, and the unit is mounted on a stainless steel shelf with recessed coin and cash tray. The shelf assembly measures 30" (762 mm) wide x 18" (457 mm) deep x 2" (51 mm) thick. The entire unit is ready for immediate installation on receipt. An overhang is recommended for exterior use.

SPECIFICATIONS:
Materials: Aluminum Extrusion; Tempered Safety Glass; Stainless Steel
Finishes: Frame - Satin Anodized; Shelf - Brushed Stainless Steel # 4 Finish
Glazing: 1/4" (6 mm) Tempered Safety Glass
Bullet Resistance: Not Rated

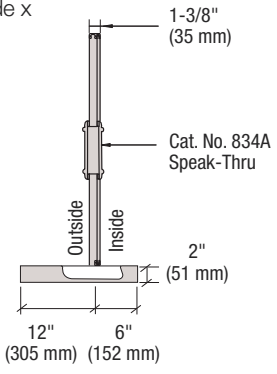
CAT. NO.	WIDTH	DEPTH	HEIGHT
SCW103N	30" (762 mm)	18" (457 mm)	32" (813 mm)
SCW103C*	Specify	Specify	Specify

Minimum order: 1 each. * Custom made to your requirements.

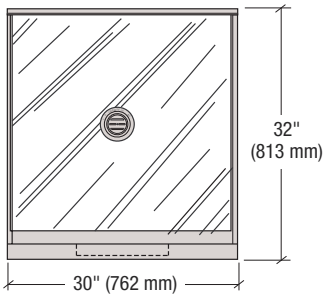


INTERIOR
EXTERIOR





Side View



Front View

CRL Half-Round Swing-Away Cover Plates for Ticket Windows

- Three Sizes and Two Finishes
- Latching Cover Plate Can Be Removed
- Made to Fit 1/4" (6 mm) Thick Glass
- Custom Spacer Rings Available for Thicker Glass

INTERIOR EXTERIOR

CRL US ALUMINUM MANUFACTURED IN THE USA

ONLINE INSTALLATION RESOURCES



The Half-Round Swing-Away Cover Plate for Ticket Windows is equipped with a tamper-resistant snap lock and retaining pin for security. The Cover Plate is also removable when desired. Constructed of extruded aluminum, they are available in satin anodized or bronze anodized finishes in three sizes. All are made to fit in 1/4" (6 mm) thick glass, and optional Spacer Rings are available for 1/2" (12 mm) thick glass (see below). A semi-circular cut-out is required for installation. A template is included. Glass cut-out information and installation guide available online at **crlaurence.com/ticket-windows**.



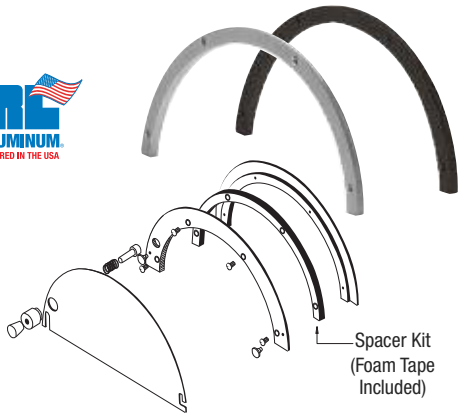
CAT. NO.	FINISH	OVERALL SIZE (W x H)	SERVICE OPENING SIZE (W x H)
720A	Satin Anodized	8" x 4" (203 x 102 mm)	6-1/2" x 3-1/4" (165 x 83 mm)
720DU	Bronze Anodized	8" x 4" (203 x 102 mm)	6-1/2" x 3-1/4" (165 x 83 mm)
723A	Satin Anodized	10" x 5" (254 x 127 mm)	8-1/2" x 4-1/4" (216 x 108 mm)
723DU	Bronze Anodized	10" x 5" (254 x 127 mm)	8-1/2" x 4-1/4" (216 x 108 mm)
725A	Satin Anodized	12" x 6" (305 x 152 mm)	10-1/2" x 5-1/4" (267 x 133 mm)
725DU	Bronze Anodized	12" x 6" (305 x 152 mm)	10-1/2" x 5-1/4" (267 x 133 mm)

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.

CRL Optional Spacer Kits for Half-Round Swing-Away Cover Plates for Ticket Windows

- Allows the Use of Our Half-Round Swing-Away Covers With 1/2" (12 mm) Glazing
- Custom Spacer Kits Also Available (Specify Thickness)

CRL US ALUMINUM MANUFACTURED IN THE USA



Optional Spacer Kits are used when installing our Half-Round Swing-Away Cover Plates for Ticket Windows in glazing thicker than 1/4" (6 mm). Half Round Ticket Windows sold separately (see above). A cut-out in the glass is required.

CAT. NO.	FINISH	GLAZING THICKNESS	DESCRIPTION
720A12	Satin Anodized	1/2" (12 mm)	Spacer Kit for 720A
720DU12	Bronze Anodized	1/2" (12 mm)	Spacer Kit for 720DU
723A12	Satin Anodized	1/2" (12 mm)	Spacer Kit for 723A
723DU12	Bronze Anodized	1/2" (12 mm)	Spacer Kit for 723DU
725A12	Satin Anodized	1/2" (12 mm)	Spacer Kit for 725A
725DU12	Bronze Anodized	1/2" (12 mm)	Spacer Kit for 725DU

Minimum order: 1 each.

CRL Vertical Sliding Ticket Windows

- Spring-Loaded Latches
- Custom Sizes Available

ONLINE INSTALLATION RESOURCES

INTERIOR EXTERIOR

CRL US ALUMINUM MANUFACTURED IN THE USA



The Vertical Sliding Ticket Window can be installed above the countertop without altering its surface. It is fabricated of heavy gauge extruded aluminum in satin anodized or bronze anodized finishes. The sliding lower panel is glazed with 1/4" (6 mm) clear glass, and has spring-tensioned guides to hold it in the raised position. Two spring-loaded knob latches will secure the window in the closed position. Pile weatherstripping along the lower frame prevents drafts. Frame protrudes only 1" (25 mm) on clerk's side, and glass channel installs easily in 1/4" (6 mm) thick glass. Template included. Glass cut-out information and installation guide available online at **crlaurence.com/ticket-windows**. Custom sized channels to install on thicker glazed units are available on special order. An overhang or awning is suggested for exterior applications.



CAT. NO.	FINISH	OVERALL SIZE (W x H)	SERVICE OPENING SIZE (W x H)
701A	Satin Anodized	9-1/2" x 8-1/2" (241 x 216 mm)	8-1/4" x 3-1/2" (210 x 89 mm)
701DU	Bronze Anodized	9-1/2" x 8-1/2" (241 x 216 mm)	8-1/4" x 3-1/2" (210 x 89 mm)
702A	Satin Anodized	19-1/4" x 8-1/2" (489 x 216 mm)	18" x 3-1/2" (457 x 89 mm)
702DU	Bronze Anodized	19-1/4" x 8-1/2" (489 x 216 mm)	18" x 3-1/2" (457 x 89 mm)

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing

CRL SHARYN "Frameless" Pass-Thru Windows

- Modern "Frameless" Appearance as Opposed to Traditional Framed Pass-Thru Windows
- "No-Hole" Top Hung Clamp-On Roller Assemblies Allow Height Adjustability
- Double Track Header Has Side Walls that Hide Roller Assemblies
- Available Glazed With 1/4" (6 mm) Tempered Glass or Unglazed
- Offered in Three Different Two-Panel Configurations of Sliding and Fixed Panels (XX, OX, and XO)
- Stock Size Windows Offered, Along With Custom Sizes
- Available in Brite Anodized, Satin Anodized, and Bronze Anodized Finishes



Push Button Lock



Pull Knob/Keeper



The **NEW** CRL Sharyn Frameless Pass-Thru Window will bring a modern appearance to what has been a traditional looking world of pass-thru windows. The "No Hole" Clamp-On Assemblies match the Header finishes, and allow height adjustment of approximately 3/16" (5 mm) that may be required due to field conditions. The Double Track Header has side walls that discreetly hide the Roller Assemblies, thus eliminating the need for unsightly valance covers.

The Sharyn "Frameless" Pass-Thru Window is offered in three different two panel configurations of sliding and fixed panels to accommodate most any service condition. An optional Fixed Lite Header Insert is for the fixed side panel, and a recessed bottom track (requiring two single tracks) is also available as an option. A Thru-Glass Mounted Keyed Lock or Push Button Lock can be ordered separately for Custom Windows. The Push Button Lock is included on the stock window. Rubber Bumpers are included in each kit to assure soft closing of the window. A Thru-Glass or Stick-On Finger Pull can be ordered separately for ease of window movement. 48" x 48" (1219 x 1219 mm) 1/4" (6 mm) pre-glazed stock models are available when a quick solution is required to complete your job. Custom Windows are available with 1/4" (6 mm) clear tempered glass, or unglazed.

STOCK WINDOWS PRE-GLAZED WITH 1/4" (6 MM) CLEAR TEMPERED GLASS

CAT. NO.	CONFIGURATION	SIZE (W x H)	FINISH
SH4848X0BA	XO	48" x 48" (1219 x 1219 mm)	Brite Anodized
SH4848X0A*	XO	48" x 48" (1219 x 1219 mm)	Satin Anodized
SH4848X0BRZ*	XO	48" x 48" (1219 x 1219 mm)	Bronze Anodized
SH48480XBA	0X	48" x 48" (1219 x 1219 mm)	Brite Anodized
SH48480XA*	OX	48" x 48" (1219 x 1219 mm)	Satin Anodized
SH48480XBRZ*	OX	48" x 48" (1219 x 1219 mm)	Bronze Anodized
SH4848XXBA	XX	48" x 48" (1219 x 1219 mm)	Brite Anodized
SH4848XXA*	XX	48" x 48" (1219 x 1219 mm)	Satin Anodized
SH4848XXBRZ*	XX	48" x 48" (1219 x 1219 mm)	Bronze Anodized

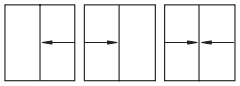
Minimum order: 1 each. X = Sliding Panel 0 = Fixed Panel.

Custom Window Menu

DESIRED FRAME SIZE:

_____"W _____"H

AVAILABLE CONFIGURATIONS:



❑ ox* ❑ xo* ❑ xx

*Configuration Determined From Clerk's Side
X= Sliding Panel 0= Fixed Panel

FINISH:

❑ Brite Anodized
❑ Satin Anodized
❑ Bronze Anodized

GLAZING:

❑ 1/4" (6 mm) Clear Tempered
❑ None

OPTIONS:

❑ Keyed Lock
❑ Push Button Lock
❑ Fixed Lite Header Insert
❑ Recessed Bottom Track

INTERIOR USE

STOCK WINDOWS INCLUDE:

- One Double Track Header
- Two 1/4" (6 mm) Clear Tempered Glass Panels
- Two Top Hung Roller Assemblies Per Sliding Panel
- Three Bottom Guides*
- One Push Button Lock With Two Keepers**
- Eight Bumpers***
- One Fixed Lite Header Insert****
- Bottom Channel****

* XX Model Includes Three Guides (One Inner and Two Outer), OX and XO Models Include Two Guides (Two Outer)
** OX and XO Models Include One Push Buttom Lock With One Keeper
*** XX Model Includes Eight Bumpers, OX and XO Models Include Four Bumpers
****Included With Fixed Lite Models Only

CUSTOM WINDOWS AVAILABLE GLAZED WITH 1/4" (6 MM) CLEAR TEMPERED GLASS OR UNGLAZED

CAT. NO.	CONFIGURATION	SIZE (W x H)	FINISH
SHCX0BA	XO	Custom-Specify Size	Brite Anodized
SHCX0A	XO	Custom-Specify Size	Satin Anodized
SHCX0BRZ*	XO	Custom-Specify Size	Bronze Anodized
SHC0XBA	OX	Custom-Specify Size	Brite Anodized
SHC0XA	OX	Custom-Specify Size	Satin Anodized
SHC0XBRZ*	OX	Custom-Specify Size	Bronze Anodized
SHCXXBA	XX	Custom-Specify Size	Brite Anodized
SHCXXA	XX	Custom-Specify Size	Satin Anodized
SHCXXBRZ*	XX	Custom-Specify Size	Bronze Anodized

Minimum order: 1 each. X = Sliding Panel 0 = Fixed Panel.

TOLL FREE Phone: (800) 421-6144
Fax: (800) 262-3299
From Anywhere in the U.S. or Canada

CRL Horizontal Sliding Pass-Thru Window Assemblies



- Custom Cut to Your Specifications for Opening Width and Height
- Shipped Knocked Down and Ready to Assemble
- You Supply the Labor and Glass
- Two Attractive Finishes: Satin Anodized or Dark Bronze Painted
- Six Designs to Choose From
- Some Models Available With Screens

Horizontal Sliding Pass-Thru Window Assemblies are made to fit your exact specifications. You advise the height and width of the opening, and your preferred deductions, we will ship a Pass-Thru that's ready to assemble and install between adjoining rooms in interior serving window applications. Pass-Thrus offer the advantages of pass through convenience while open, and serve as a sound and draft barrier when closed.

Choose from our six distinctive styles for total design flexibility. Single or double action bypassing panels can be ordered with or without screens. Each design comes with your choice of overhead track, so you'll be able to match existing storefront metal. Any one of three glazing vinyls are used, depending on the thickness of glass you intend to use. Panels roll smoothly on ball bearing rollers using low profile guides to leave an unobstructed counter.

The following is included: Top Track, Side Jambs, Rollers, Guides, Catches, and Glazing Vinyl. Easy to follow instructions are shipped with each Pass-Thru so your window will go together quickly and easily.

On page T430 are simple instructions you can follow when designing and ordering your custom Horizontal Sliding Pass-Thru Window Assembly.

SPECIFICATIONS:
Material: Extruded Aluminum
Finish: Satin Anodized or Dark Bronze Painted

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR USE

Typical Applications

- Reception Windows in Offices, Doctor's Waiting Rooms, Service Departments
- Walk-Up Customer Service Windows in Retail Stores

Pass-Thru Windows are typically installed in situations where service personnel attend to walk-up traffic. Overhead track design leaves counter surface free from obstructions. Design flexibility allows installation into virtually any rectangular opening.

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, You can also e-mail us at **transaction@crlaurence.com**.



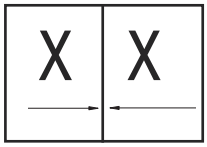
CRL Horizontal Sliding Pass-Thru Window Assemblies (Unglazed)

Ordering Specifications and Options

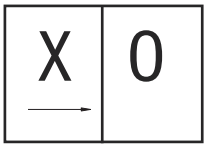
INTERIOR USE

CRL US ALUMINUM MANUFACTURED IN THE USA

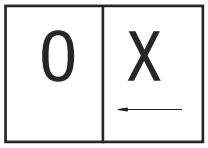
Choose a Configuration*



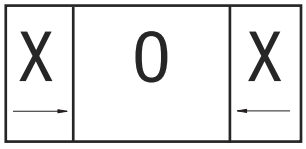
☐ Daisy Model



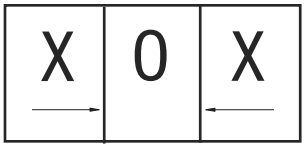
☐ Florence Model



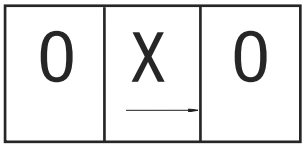
☐ Florence Model



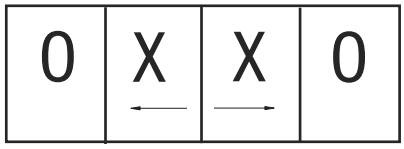
☐ Fawn Model



☐ Arlene Model



☐ Barbara Model



☐ Diane Model

X = Sliding Panel

0 = Fixed Panel

Standard Features

- All Units Shipped Knocked Down and Ready to Assemble
- All Units Come With Latching Device (at Header Only for XX or XOX 1/3-1/3-1/3 Width Units)
- Glazing Supplied by Customer
- Painted Finishes Not Available

Choose a Finish

☐ Satin Anodized

☐ Dark Bronze Painted

Choose a Glazing Vinyl

☐ 3/16" (5 mm) Glazing Vinyl

☐ 1/4" (6 mm) Glazing Vinyl

Options

☐ Keyed Locks (Not Available When Using a Screen)

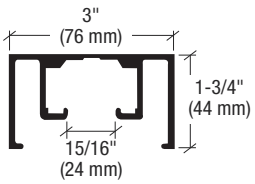
☐ Screens (Not Available for Daisy and Arlene Models)

☐ Oversized D1670 Track (Not Available for XX Models)

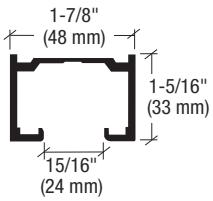
☐ Full Bottom Track (Standard Units Have No Bottom Track)

Overhead Track Choices

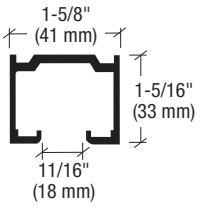
All models (with the exception of Daisy) come with your choice of D1670 or D7 Overhead Track. Daisy comes with your choice of D6 or D4 Overhead Track. When matching a storefront extrusion made of 1-3/4" x 3" (44 x 76 mm) rectangular tubing, the D1670 Upper Track may be used.



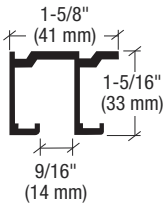
D1670



D7



D6



D4

Restrictions

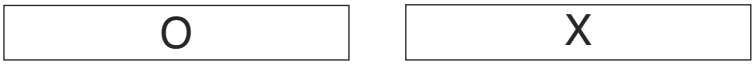
- Maximum Frame Height: 50" (1270 mm)
- Maximum Overall Width is 36" (914 mm) Per Sliding Panel; 72" (1828 mm) Per Fixed Panel
- Units Require Separate Openings. Side-by-Side Installations Require Vertical Mullions Provided by the Installer
- Windows Recommended for Interior Use Only

Notes

Units are designed to fit tight into a finished opening. CRL recommends ordering the frame size 1/8" (3 mm) less in width and height than the tightest wall opening dimensions. Sliding panels are typically guided by a retractable guide inserted into the counter or drywall opening. Full bottom tracks are available as an option. All units ship with simple manual latches. Keyed locks are available factory-installed if ordered as an option. Glass sizes are available upon request at time of order.

*Handing of Sliding Panels

When specifying fixed or sliding panels, handing is taken from the clerk's side of the opening.



Fixed Panel — Sliding Panel

If you need to make an overhead drawing, use "X" to indicate a sliding panel, "O" to indicate a fixed panel. This will help to avoid confusion. Remember, all specifications are taken from the clerk's side.

Design Assistance

Drawings can be sent by fax for review by CRL Transaction Technical Sales. Fax to (800) 458-7496 or (323) 584-5293. Send e-mail to **transaction@crlaurence.com**

CRL Daisy Model Pass-Thru (XX)

- Two Sliding Glass Panels
- Two Overhead Track Options

ONLINE ARCHITECTURAL RESOURCES

ONLINE INSTALLATION RESOURCES

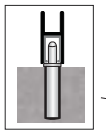
The Daisy Pass-Thru is the finest window of its type. The two panels are equally divided (both sliding), giving you the benefit of an unobstructed counter surface and an easy rolling overhead track. Ideal for receptionist window, cashier window, office, and pass-thru applications.

Two types of headers are available: The standard D6 Overhead Track, or the back-loading D4 Overhead Track. You have the option of ordering it with or without jambs. Screens are not available.

CAT. NO.	FINISH	OVERHEAD TRACK	JAMBS
D1040A	Satin Anodized	D4	Yes
D1040DU	Dark Bronze Painted	D4	Yes
D1041A	Satin Anodized	D6	Yes
D1041DU	Dark Bronze Painted	D6	Yes
D1042A	Satin Anodized	D4	No
D1042DU	Dark Bronze Painted	D4	No
D1043A	Satin Anodized	D6	No
D1043DU	Dark Bronze Painted	D6	No

Minimum order: 1 each.

INTERIOR USE

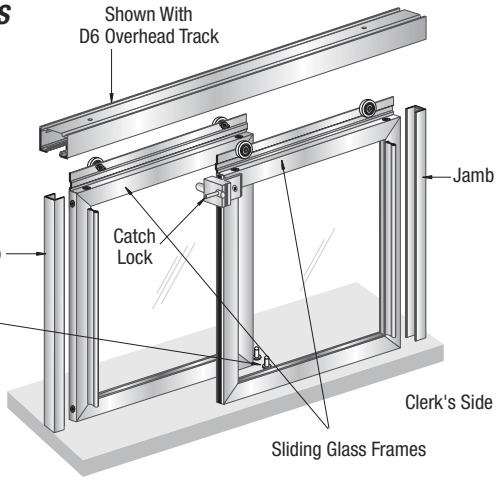


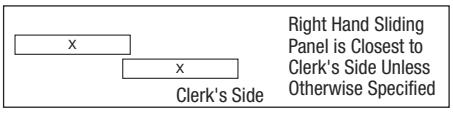
Spring-Loaded Guide

Overhead Track Options



D4 D6





CRL Florence Model Pass-Thru (XO or OX)

- Two Panels: One Fixed, One Sliding
- Available With or Without Screens

ONLINE ARCHITECTURAL RESOURCES

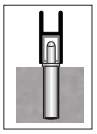
ONLINE INSTALLATION RESOURCES

The Florence Pass-Thru gives you the benefit of an unobstructed counter surface and easy rolling overhead track. Florence is a two-panel window, one fixed and one sliding. Sliding panel is called out from the clerk's side of the opening.

CAT. NO.	FINISH	OVERHEAD TRACK	SCREEN
D1018A	Satin Anodized	D7	Yes*
D1018DU	Dark Bronze Painted	D7	Yes*
D1019A	Satin Anodized	D1670	Yes*
D1019DU	Dark Bronze Painted	D1670	Yes*
D1038A	Satin Anodized	D7	No
D1038DU	Dark Bronze Painted	D7	No
D1039A	Satin Anodized	D1670	No
D1039DU	Dark Bronze Painted	D1670	No

Minimum order: 1 each. * Keyed Lock not available if using a Screen.

INTERIOR USE

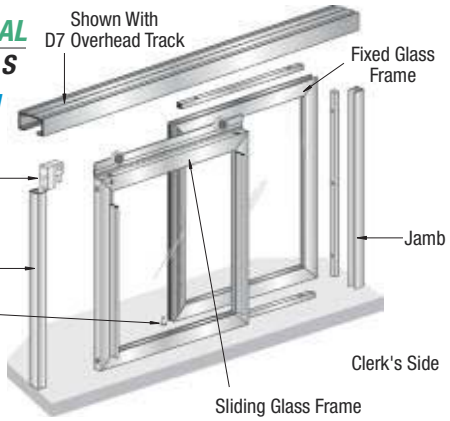


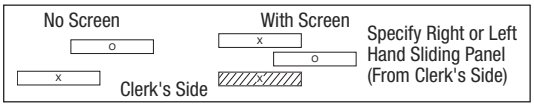
Spring-Loaded Guide

Overhead Track Options



D7 D1670





CRL Fawn Model Pass-Thru (XOX)

- Three Panels: One Fixed, Two Sliding
- Available With or Without Screens

ONLINE ARCHITECTURAL RESOURCES

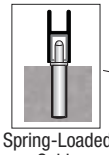
ONLINE INSTALLATION RESOURCES

Fawn Pass-Thru Windows have a center fixed panel approximately twice the size of the sliding panels. This allows both sliding panels to be opened at the same time. You also have the option of including screens.

CAT. NO.	FINISH	OVERHEAD TRACK	SCREEN
D1025A	Satin Anodized	D7	Yes*
D1025DU	Dark Bronze Painted	D7	Yes*
D1026A	Satin Anodized	D1670	Yes*
D1026DU	Dark Bronze Painted	D1670	Yes*
D1027A	Satin Anodized	D7	No
D1027DU	Dark Bronze Painted	D7	No
D1028A	Satin Anodized	D1670	No
D1028DU	Dark Bronze Painted	D1670	No

Minimum order: 1 each. * Keyed Lock not available if using a Screen.

INTERIOR USE

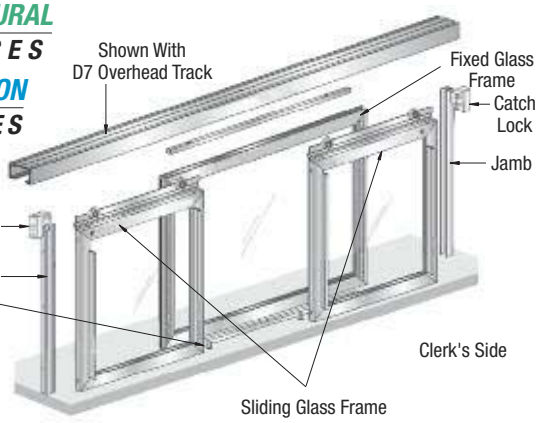


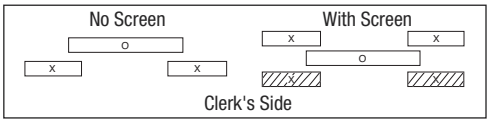
Spring-Loaded Guide

Overhead Track Options



D7 D1670





CRL Arlene Model Pass-Thru (XOX)

ONLINE ARCHITECTURAL RESOURCES
ONLINE INSTALLATION RESOURCES

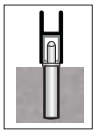
- Three Panels: One Fixed, Two Sliding
- Two Overhead Track Options

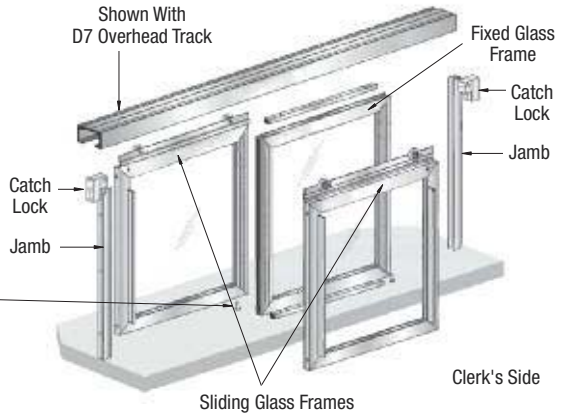
INTERIOR USE

Arlene Pass-Thru Windows are equally divided and have a center fixed panel. One of the sliding glass panels rolls on the front track, and the other on the rear track, with the fixed panel sandwiched in between. Screens are not available.

CAT. NO.	FINISH	OVERHEAD TRACK
D1022A	Satin Anodized	D7
D1022DU	Dark Bronze Painted	D7
D1023A	Satin Anodized	D1670
D1023DU	Dark Bronze Painted	D1670

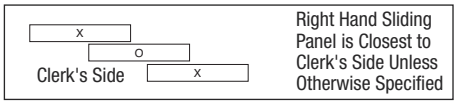
Minimum order: 1 each.





Overhead Track Options





CRL Barbara Model Pass-Thru (OXO)

ONLINE ARCHITECTURAL RESOURCES
ONLINE INSTALLATION RESOURCES

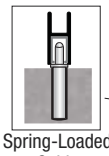
- Three Panels: Two Fixed, One Sliding
- Two Overhead Track Options

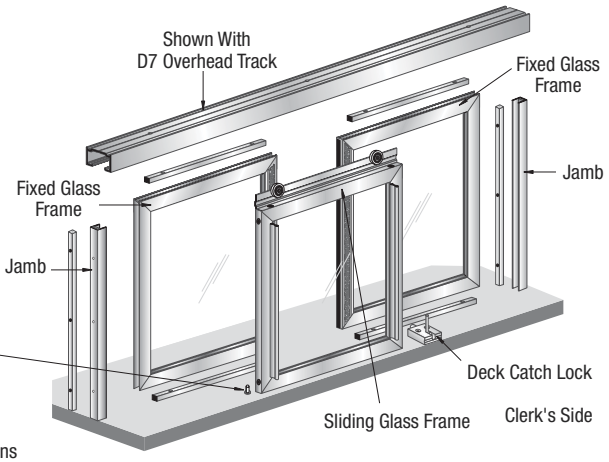
INTERIOR USE

Barbara Pass-Thru Assemblies are equally divided, three panel windows that have a center sliding panel. Screens are not available.

CAT. NO.	FINISH	OVERHEAD TRACK
D1029A	Satin Anodized	D7
D1029DU	Dark Bronze Painted	D7
D1030A	Satin Anodized	D1670
D1030DU	Dark Bronze Painted	D1670

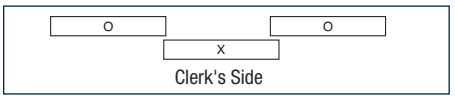
Minimum order: 1 each.





Overhead Track Options





CRL Diane Model Pass-Thru (OXXO)

ONLINE ARCHITECTURAL RESOURCES
ONLINE INSTALLATION RESOURCES

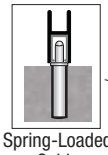
- Four Panels: Two Fixed, Two Sliding
- Two Overhead Track Options

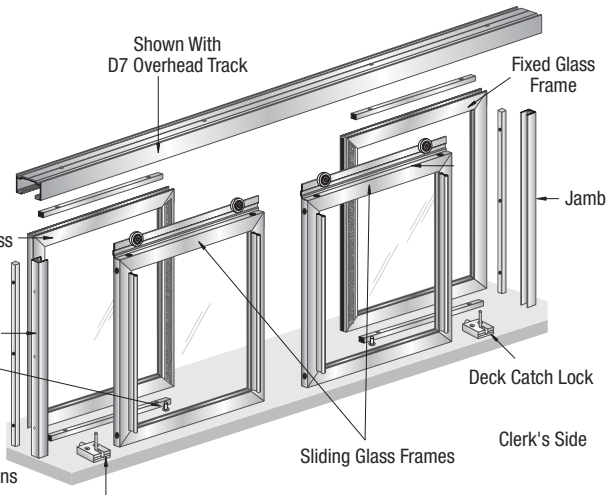
INTERIOR USE

The Diane Pass-Thru has two sliding panels that meet in the center and are flanked by fixed side panels, giving you an extra wide, unobstructed counter surface. Screens are not available.

CAT. NO.	FINISH	OVERHEAD TRACK
D1031A	Satin Anodized	D7
D1031DU	Dark Bronze Painted	D7
D1032A	Satin Anodized	D1670
D1032DU	Dark Bronze Painted	D1670

Minimum order: 1 each.





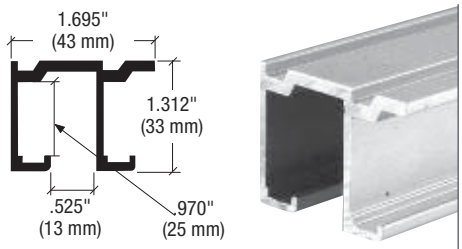
Overhead Track Options





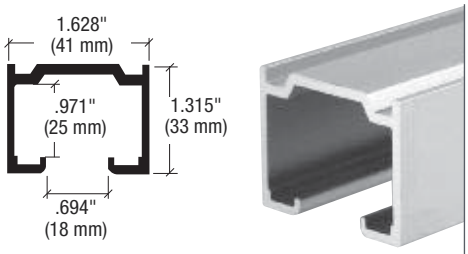
CRL Horizontal Sliding Pass-Thru Window Components

CRL Overhead Tracks



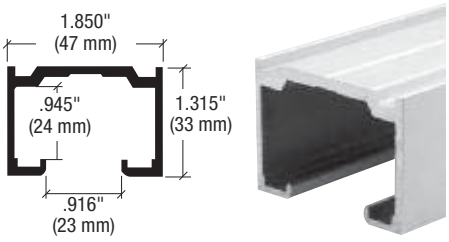
CAT. NO.	STOCK LENGTH	FINISH
D4A	12' (3.66 m)*	Satin Anodized
D4DU	12' (3.66 m)*	Bronze Anodized

Minimum order: 1 stock length.



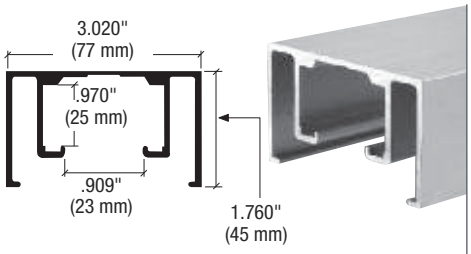
CAT. NO.	STOCK LENGTH	FINISH
D6A	12' (3.66 m)*	Satin Anodized
D6DU	12' (3.66 m)*	Bronze Anodized

Minimum order: 1 stock length.



CAT. NO.	STOCK LENGTH	FINISH
D7A	12' (3.66 m)*	Satin Anodized
D7DU	12' (3.66 m)*	Bronze Anodized

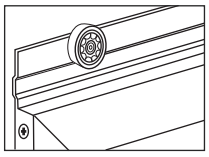
Minimum order: 1 stock length.

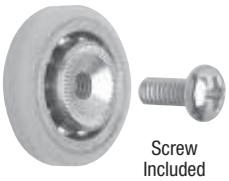


CAT. NO.	STOCK LENGTH	FINISH
D1670A	10' (3.05 m)*	Satin Anodized
D1670DU	10' (3.05 m)*	Bronze Anodized

Minimum order: 1 stock length.

CRL Nylon Ball Bearing Roller

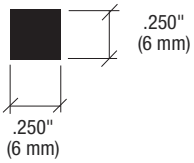




CAT. NO.	DESCRIPTION	DIAMETER
D679	Ball Bearing Roller	7/8" (22 mm)

Minimum order: 1 each.

CRL 1/4" Bar Stock



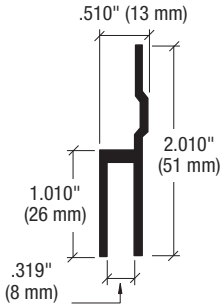


Use with Cat. No. D610 Framing to Mount Fixed Lites.

CAT. NO.	STOCK LENGTH	FINISH
D637M	12' (3.66 m)*	Mill

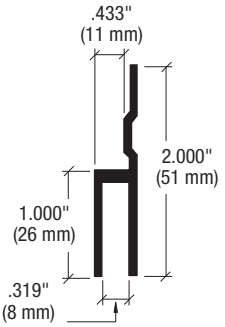
Minimum order: 1 stock length.

CRL Hangers





D40 Front Hanger



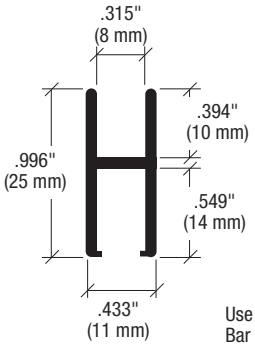


D41 Rear Hanger

CAT. NO.	DESCRIPTION	STOCK LENGTH	FINISH
D40A	Front Hanger	12' (3.66 m)*	Satin Anodized
D40DU	Front Hanger	12' (3.66 m)*	Bronze Anodized
D41A	Rear Hanger	12' (3.66 m)*	Satin Anodized
D41DU	Rear Hanger	12' (3.66 m)*	Bronze Anodized

Minimum order: 1 stock length. NOTE: Use with Cat. No. D679 Nylon Ball Bearing Rollers.

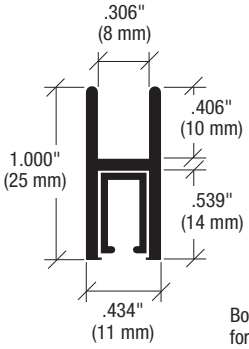
CRL Frame Extrusions





D610

Use with Cat. No. D637M Bar Stock for Fixed Lites Top, Bottom, and Wall Side.





D1611

Bottom Member for Sliding Panel

CAT. NO.	DESCRIPTION	STOCK LENGTH	FINISH
D610A	Fixed Lite Frame	12' (3.66 m)*	Satin Anodized
D610DU	Fixed Lite Frame	12' (3.66 m)*	Bronze Anodized
D1611A	Slider Lower Frame	12' (3.66 m)*	Satin Anodized
D1611DU	Slider Lower Frame	12' (3.66 m)*	Bronze Anodized

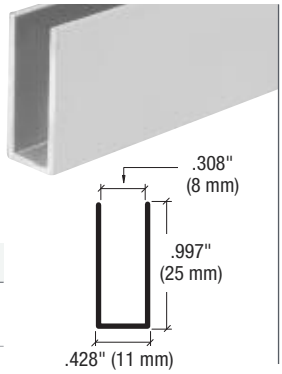
Minimum order: 1 stock length. NOTE: Use with Cat. No. D679 Nylon Ball Bearing Rollers.

*All aluminum extrusions can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than 10 combined lengths. Stock lengths longer than 98" (2.49 m) must ship common carrier, unless you specify we cut them for UPS. A Cutting Charge will apply.

CRL Horizontal Sliding Pass-Thru Window Components

CRL Vertical Frame Extrusion

This versatile extrusion is used to frame glass edges. Profile matches our D1623 Dust Proof Rail (see below).

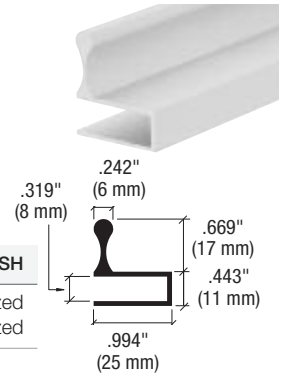


CAT. NO.	STOCK LENGTH	FINISH
D623A	12' (3.66 m)*	Satin Anodized
D623DU	12' (3.66 m)*	Bronze Anodized

Minimum order: 1 stock length.

CRL Vertical Frame Extrusion With Finger Pull

Designed for use on 1/4" (6 mm) glass. Profile matches D623 Frame Extrusion.

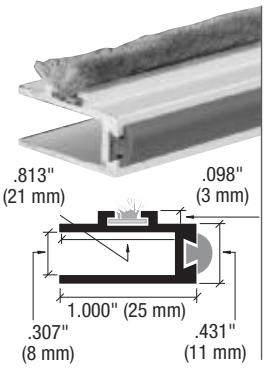


CAT. NO.	STOCK LENGTH	FINISH
D639A	12' (3.66 m)*	Satin Anodized
D639DU	12' (3.66 m)*	Bronze Anodized

Minimum order: 1 stock length.

CRL Dust Proof Rail With Bumper

The Wiper provides a seal between the sliding tracks. Bumper cushions glass closure.

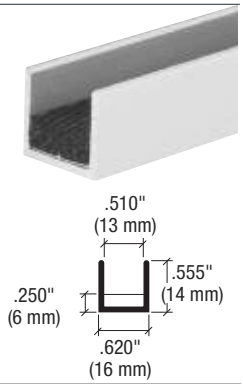


CAT. NO.	STOCK LENGTH	FINISH
D1623A	12' (3.66 m)*	Satin Anodized
D1623DU	12' (3.66 m)*	Bronze Anodized

Minimum order: 1 stock length.

CRL Single Jamb Extrusion With Sponge Rubber Insert

Single Jamb Extrusion is used when a single vertical jamb is required. The sponge rubber insert acts as a cushion so there is no glass-to-metal or metal-to-metal contact.

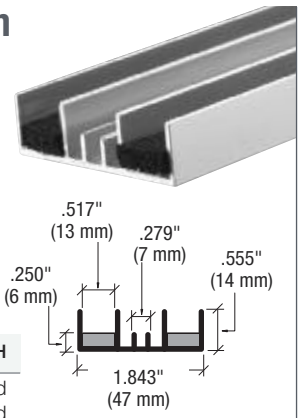


CAT. NO.	STOCK LENGTH	FINISH
D606A	12' (3.66 m)*	Satin Anodized
D606DU	12' (3.66 m)*	Bronze Anodized

Minimum order: 1 stock length.

CRL Double Jamb Extrusion With Sponge Rubber Inserts

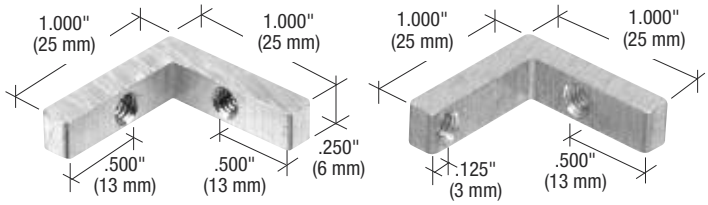
This extrusion is used when a double jamb is required, typically for models with Screens. The sponge rubber insert acts as a cushion so there is no glass-to-metal or metal-to-metal contact.



CAT. NO.	STOCK LENGTH	FINISH
D1606A	12' (3.66 m)*	Satin Anodized
D1606DU	12' (3.66 m)*	Bronze Anodized

Minimum order: 1 stock length.

CRL Frame Corners With Screws





CAT. NO. D662WS
Upper Frame Corners



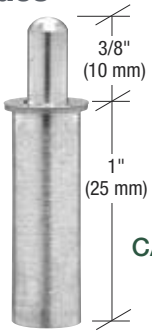
CAT. NO. D658WS
Lower Frame Corners

Designed to connect and attach Aluminum Frame Extrusions. The Corner is inserted inside the Frame, and then fastened with the two screws that are included. Minimum order is one each. NOTE: Cat. No. D658WS – Left side inserts into horizontal extrusion. Right side inserts into vertical extrusion.

CRL Catch Locks and Guides

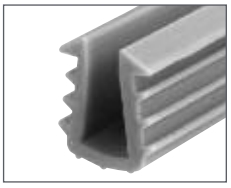


Catch Locks
See page T435.

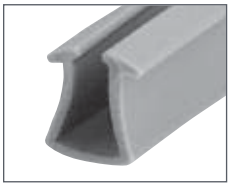


CAT. NO. D35
Lower Guides
See page T437.

CRL Glazing Vinyl



CAT. NO. D752C
3/16" Vinyl



CAT. NO. D750C
1/4" Vinyl

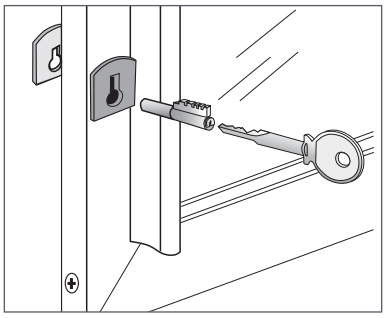
These CRL Glazing Vinyls are made to work with 3/16" and 1/4" (5 and 6 mm) thick glass. When glazing is completed, all that remains visible is a neat "bead" that gives the framed glass a finished appearance. Available in both 100 foot and 1000 foot (30.5 and 305 m) rolls. Minimum order is one roll.

*All aluminum extrusions can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than 10 combined lengths. Stock lengths longer than 98" (2.49 m) must ship common carrier, unless you specify we cut them for UPS. A Cutting Charge will apply.

CRL Horizontal Sliding Pass-Thru Window Components

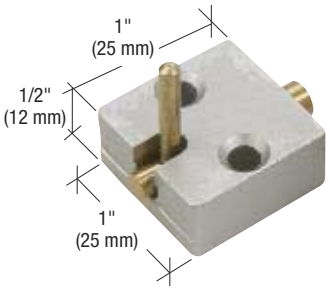
CRL Lock Catches for Pass-Thru Windows and Rolling Track Assemblies

- Efficient and Economical Catch Locks Can Be Deck Mounted or Installed at the Header
- Available in Two Finishes

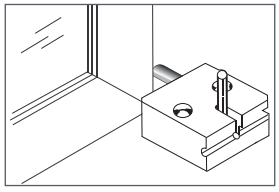


This optional Keyed Lock Assembly for horizontal Pass-Thru Window Kits is a modified version of CRL Cat. No. D802C/D802DU. Sold separately by special order only.

CRL Low Profile Deck Catch



This CRL Low Profile Deck Catch for Pass-Thru Windows is spring loaded. It is typically installed where the retractable plunger can be positioned to block the path of the sliding panel frame.

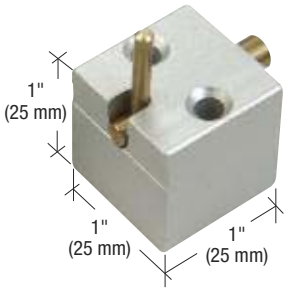


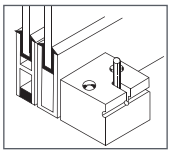
CAT. NO.	FINISH
D812A	Satin Anodized
D812DU	Bronze Anodized

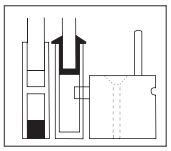
Minimum order: 1 each.

CRL Deck Catch

This CRL Deck Catch for Pass-Thru Windows was primarily developed for use with track assemblies with taller H-Bars. It mounts on the deck and is placed close to the sliding panel so it can act as a guide. It should be positioned so the plunger can push into the sliding panel, locking it in place. Locks into a 9/32" (7 mm) hole drilled in the sliding panel's frame, or can fall behind the frame, which would eliminate drilling.



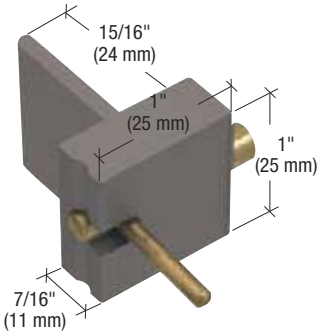




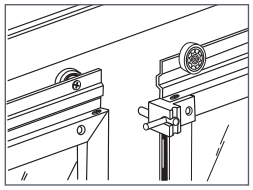
CAT. NO.	FINISH
D813A	Satin Anodized
D813DU	Bronze Anodized

Minimum order: 1 each.

CRL Spring Loaded Catch



This CRL Spring Loaded Catch for Pass-Thru Windows is designed to be used on bypassing doors. It mounts on the Front Hanger, and the plunger locks into a 9/32" (7 mm) hole drilled in the Back Hanger to secure both doors.

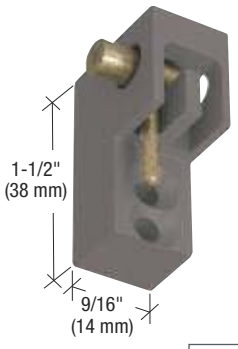


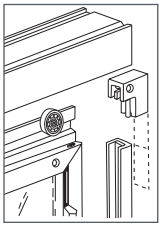
CAT. NO.	FINISH
D52A	Satin Anodized
D52DU	Bronze Anodized

Minimum order: 1 each.

CRL Left Handed Window Catch

This CRL Left Handed Window Catch for Pass-Thru Windows is not spring loaded. It mounts next to the jamb near the top of the opening where the plunger locks into a 9/32" (7 mm) hole drilled into the sliding panel.



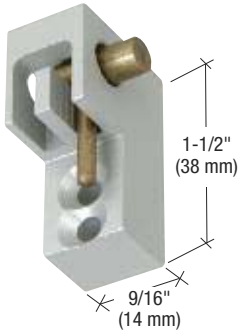


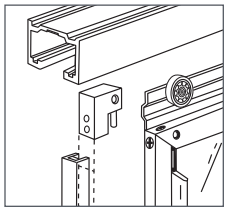
CAT. NO.	FINISH
D53ALH	Satin Anodized
D53DULH	Bronze Anodized

Minimum order: 1 each. Handing is viewed from exterior side, and is reversible.

CRL Right Handed Window Catch

This CRL Right Handed Window Catch for Pass-Thru Windows is not spring loaded. It mounts next to the jamb near the top of the opening where the plunger locks into a 9/32" (7 mm) hole drilled into the sliding panel.





CAT. NO.	FINISH
D53ARH	Satin Anodized
D53DURH	Bronze Anodized

Minimum order: 1 each. Handing is viewed from exterior side, and is reversible.

CRL Masteroll Overhead Track System

- 12 Ft (3.66 m) Long Overhead Track Assembly Components for Frameless Glass Doors
- 6 Ft (1.83 m) Adjustable Hanger Allows Exact Positioning of Glass Panels
- Mix and Match Components to Suit Your Installation Needs



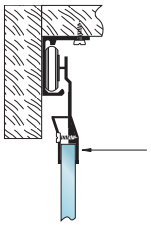
CRL Masteroll Overhead Track for frameless glass doors gives you installation flexibility without stocking a large variety of components. The simple component selection of Overhead Tracks, Hangers, Rollers, and Guides work to make efficient and economical pass-thrus with a minimum of fabrication effort.

The Hangers grip your 1/4" (6 mm) glass panels by tightening a series of screws, and have adjustable slots 6" (152 mm) on center for the D679 Ball Bearing Rollers.

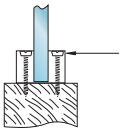
We offer four styles of Overhead Track that adapt to single or bypassing panels. Fixed Nylon or Retractable Tip Guides keep the glass panels in line for quiet and smooth rolling on the Ball Bearing Rollers.

The Overhead Track is supplied in 12 foot (3.66 m) stock lengths; Hangers come in 6' (1.83 m) stock lengths. Cut each to your exact needs, minimizing waste. Use only the Rollers and Guides you need to complete the job. We recommend that you apply a bead of CRL Cat. No. 33SC Clear Silicone to the inside of the Hanger channel to assure that the glass will not slip out. **NOTE:** Maximum recommended size per sliding panel is 36" wide x 48" high (914 x 1219 mm).

Standard Configuration for Single Sliding Panels

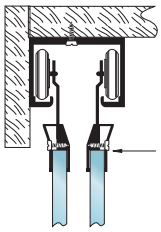


Standard Assembly:
D8A Single Overhead Track
D679 Rollers
D28A Front Hanger

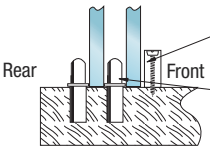


D30 Nylon Guides
to install or remove doors, tilt about 15 degrees and unhook from Overhead Track.

Standard Configuration for Bypassing Panels

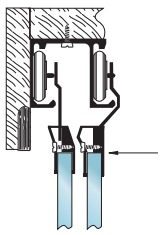


Standard Assembly:
D6A Overhead Track
D679 Rollers
D28A Front Hangers
Both Sides

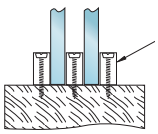


D30 Nylon Guides
used to prevent removal of doors by tilting to the front.
D35 Spring Loaded Guides
used when frequent removal of doors is required.

Alternate Configuration for Bypassing Panels



Standard Assembly:
D9A Double Overhead Track
D679 Rollers
D28A Front Hanger
D29A Rear Hanger

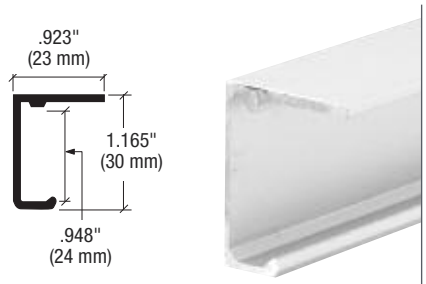


D30 Nylon Guides
D35 Retractable Tip Guides
may be used front and rear for quicker removal of doors.

CRL MASTEROLL TRACK SYSTEM

MORE CHOICES
crlaurence.com/masteroll

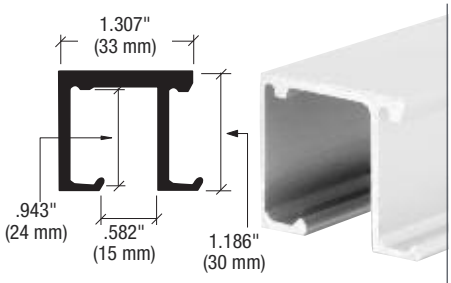
CRL Masteroll Overhead Tracks



This CRL Masteroll Single Overhead Track is designed to accept D28A Hangers using D679 Rollers.

CAT. NO.	FINISH	STOCK LENGTH
D8A	Satin Anodized	12' (3.66 m)*

Minimum order: 1 stock length. Can be combined with all other aluminum extrusions for quantity pricing.

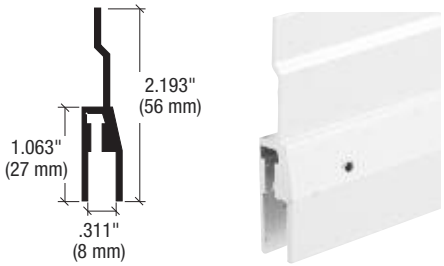


This CRL Masteroll Open Double Overhead Track is designed to accept D28A and D29A Hangers using D679 Rollers.

CAT. NO.	FINISH	STOCK LENGTH
D9A	Satin Anodized	12' (3.66 m)*

Minimum order: 1 stock length. Can be combined with all other aluminum extrusions for quantity pricing.

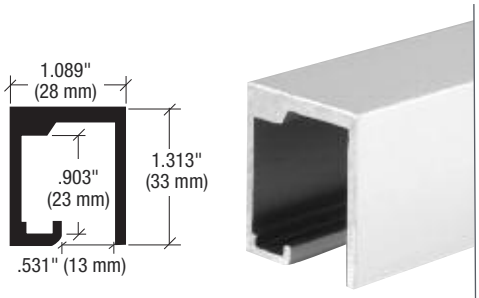
CRL Masteroll Front Hanger



This CRL Masteroll Front Hanger is designed to accept 1/4" (6 mm) glass, and is to be used in a pass-thru window assembly using an Overhead Track.

CAT. NO.	FINISH	STOCK LENGTH
D28A	Satin Anodized	6' (1.83 m)*

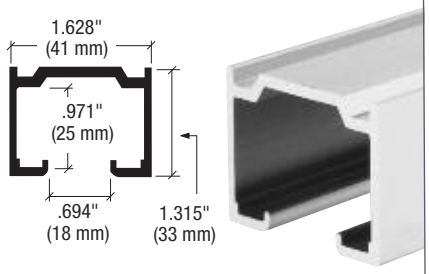
Minimum order: 1 stock length. Can be combined with all other aluminum extrusions for quantity pricing.



This CRL Masteroll Single Overhead Track is designed to accept D28A Hangers using D679 Rollers.

CAT. NO.	FINISH	STOCK LENGTH
D3A	Satin Anodized	12' (3.66 m)*

Minimum order: 1 stock length. Can be combined with all other aluminum extrusions for quantity pricing.

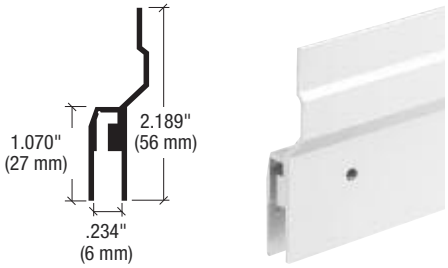


This CRL Masteroll Double Overhead Track is designed to accept D28A Hangers using D679 Rollers.

CAT. NO.	FINISH	STOCK LENGTH
D6A	Satin Anodized	12' (3.66 m)*

Minimum order: 1 stock length. Can be combined with all other aluminum extrusions for quantity pricing.

CRL Masteroll Rear Hanger

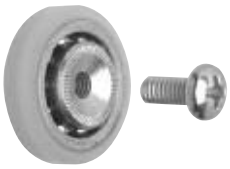


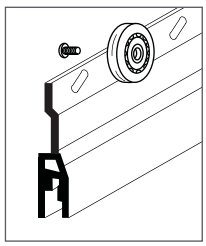
This CRL Masteroll Rear Hanger is designed to accept 1/4" (6 mm) glass, and is to be used in a pass-thru window assembly using an Overhead Track.

CAT. NO.	FINISH	STOCK LENGTH
D29A	Satin Anodized	6' (1.83 m)*

Minimum order: 1 stock length. Can be combined with all other aluminum extrusions for quantity pricing.

CRL Masteroll Nylon Ball Bearing Roller



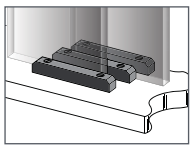


This CRL Masteroll Nylon Ball Bearing Roller is designed to screw into the slots on a Front or Rear Hanger. Screw is included.

CAT. NO.	DESCRIPTION	DIAMETER
D679	Ball Bearing Roller	7/8" (22 mm)

Minimum order: 1 each.

CRL Nylon Lower Guides





CAT. NO. D30



CAT. NO. D31

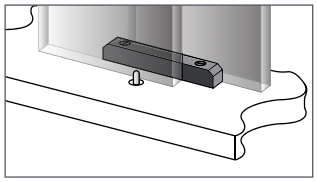
These CRL Nylon Lower Guides are used to keep sliding panels vertical and prevent lift-out. Each Guide comes with two screws.

CAT. NO.	GUIDE SIZE
D30	2-1/4"L x 1/2"H x 1/4"W (57 x 13 x 6 mm)
D31	2-1/4"L x 1/4"H x 1/4"W (57 x 6 x 6 mm)

Minimum order: 1 each.

CRL Retractable Metal Tip Lower Guide





Retractable Metal Tip Lower Guide used to keep sliding panels vertical and prevent lift-out. Spring loaded, with a metal tip and an aluminum housing. Guides are especially useful when frequent removal of the doors is required.

CAT. NO.	LENGTH	HOLE SIZE
D35	1-3/8" (35 mm)	5/16" (8 mm)

Minimum order: 1 each.

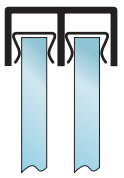
*A Packing Charge will be added to orders of fewer than 10 combined lengths. Stock lengths longer than 98" (2.49 m) must ship common carrier, unless you specify we cut them for UPS. A Cutting Charge will apply.

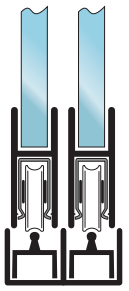
CRL Track Assemblies



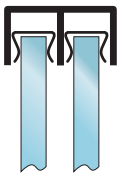
- Pre-Cut Assemblies or 12 Ft (3.66 m) Extrusions So You Can Fabricate Your Own Assemblies
- Available in a Variety of Beautiful Architectural Finishes to Match Most Any Décor

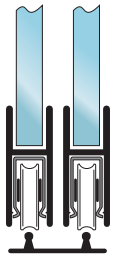




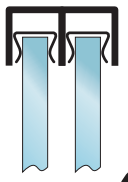


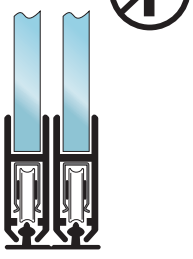
Deluxe Style Track Assembly





Low Profile Track Assembly





Security Anti-Lift Track Assembly

CRL Offers Track Assemblies for Any Requirement:

Medical offices, corporate and business offices, hotel lobbies. They are also used in the construction of display cabinets and showcases, trophy and gun cases.

What Track Assembly is Best for My Project?

CRL offers Track Assemblies that will complement any retail, commercial or residential project. The variety of Track Assemblies offered on the next few pages is the most extensive selection available in the industry. Whether you are a large manufacturer of showcases for retail department stores or a small cabinet shop specializing in custom residential projects, CRL has the style and extrusion profiles to fit your requirements.

Designed for 1/4" (6 mm) glazing, these Track Assemblies are available in three economical pre-cut lengths or full 12 foot (3.66 m) extrusions for larger projects. For showcases or cabinets where the safety of the contents is a concern, our Anti-Lift Track Assemblies can provide an extra measure of security. Whatever your Track Assembly requirements may be, CRL has the products and the solution for any design requirement.

Do CRL Track Assemblies Offer a Choice of Components?

Most customers prefer to have options when designing custom showcases or cabinets. CRL has Track Assemblies for any project, and a large selection of components and accessories that will enhance your design. Upper Channels, Lower Tracks, Wheels, Locks, and Pulls, CRL has the product to achieve any design requisite. The pages in this section will provide you with many alternatives and options for component selection.

What Can I Do if I Need Assistance?

The success of your showcase, cabinet or pass-thru project is very important to CRL. If you would like us to review your showcase specifications, please fax your drawing to CRL Technical Sales at (800) 458-7496. If you need assistance with the selection of Track Assemblies or components, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can send e-mail at **transaction@crlaurence.com**.

CRL Track Assemblies



USE MONOLITHIC TEMPERED GLASS

CRL Provides Many Diversified Styles of Track Assemblies

Our extremely broad range of Rolling Track Assemblies for pass-thrus gives installers unlimited options to fit their needs.

Track Assemblies for All Types of Applications

CRL Rolling Track Assemblies have a reputation for durability and dependability, and have been installed in retail stores, schools, medical offices, commercial offices, hospitality as well as residential applications.

Integrated Options and Accessories

Each and every component of our Rolling Track Assemblies has been designed for ease of assembly and smooth operation. They are built to work with our extensive selection of Locks, Pulls, Knobs, and Wheel Assemblies, all of which are stocked in our service centers

Component Options for Fabricating CRL Track Assemblies

Upper Channels

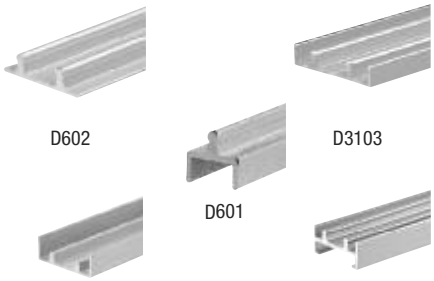


D603 D614 D618

D613 D609 D611

Select from shallow or deep pocket, single or double, lined or unlined, then match with a CRL Lower Track

Lower Tracks



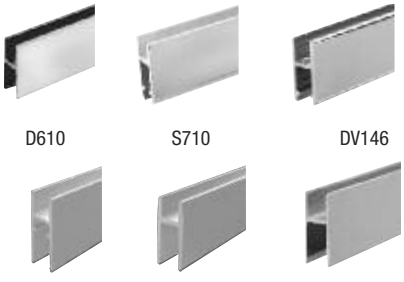
D602 D3103

D601

D594 D592

Available in many sizes and styles for recessed or surface mounted installations

H-Bar



D610 S710 DV146

LK610 D5610 MC610

Choose from standard type H-Bar or one that provides built-in security

Locks

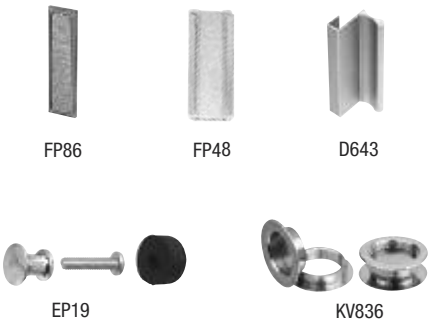


2040 KV965 981

D802 0911 TDK7A

CRL has a large selection of Ratchet Locks and Plunger Locks for sliding glass doors

Pulls and Knobs



FP86 FP48 D643

EP19 KV836

Choose from acrylic, polished metal or aluminum Pulls and Knobs to match the finish of your project

Wheel Assemblies and Guides



D649 D650 DV147

D652 D655 TA20

CRL Wheel Assemblies and Guides will provide years of quiet, smooth operating, and reliable service

Visit **crlaurence.com** for additional information.

CRL Security Anti-Lift Pre-Cut Rolling Track Assemblies

- Anti-Lift H-Bar and Lower Track Provide an Extra Measure of Security
- These Pre-Cut Assemblies are a CRL Exclusive

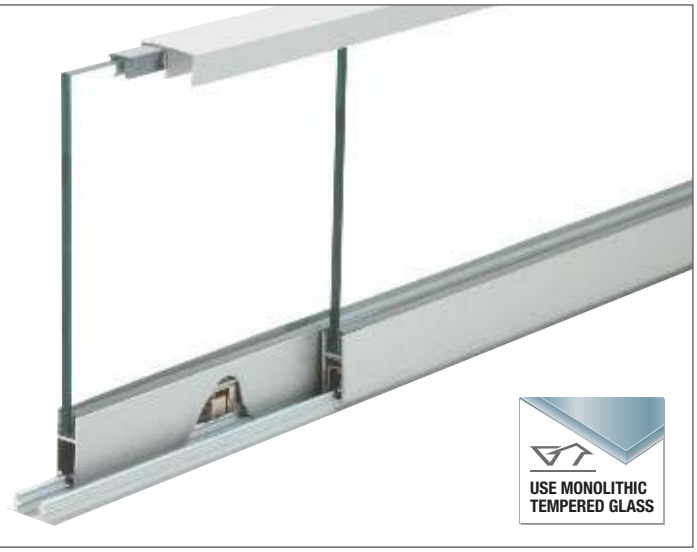
ONLINE ARCHITECTURAL RESOURCES

C.R. Laurence supplies Security Anti-Lift Aluminum Extrusions for the fabrication of Sliding Track Assemblies. They incorporate a design that prevents lift-out, an extra measure of security when used with typical Upper Channel and Ratchet or Plunger Type Locks (see pages T452 - T455). You can use them with 3/16" to 1/4" (5 to 6 mm) thick tempered glass, and they are no more difficult to install than normal, less secure track assemblies.

For your convenience, CRL has provided ready-to-install Security Track Assemblies in pre-cut lengths of 36", 48", and 72" (914, 1219, and 1829 mm). These assemblies reduce your labor, minimize excess material, and are shipped to you ready to install, with all the required components included. CRL Cat. No. TA30 End Caps for use with Cat. No. S710A Security H-Bar can be ordered separately (see **claurence.com**).

NOTE: Maximum suggested panel size is 36" W x 48" H (914 x 1219 mm).

S710 Series

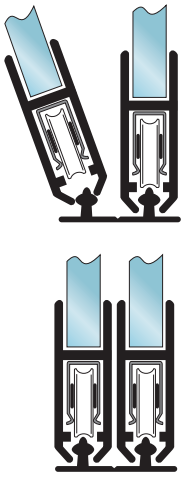


How it Works:

The Security H-Bar can only be installed on the Security Lower Rails by tilting the sliding panel at a 70 degree angle, lifting the Ball Bearing Wheel Assembly on to the Lower Rail, then pushing the sliding panel to a full 90 degrees vertical. This must be done before you mount the Upper Double Channel permanently in the opening.

The Result:

The bottom of the Security H-Bar is shaped so that it cannot be lifted off the specially designed Lower Rails and into the Upper Channel once it has been permanently mounted. This is the basis of this simple, yet effective design.



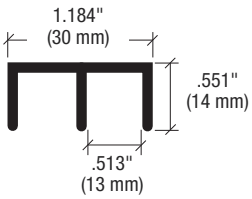
CAT. NO.	LENGTH	FINISH
S710A36	36" (914 mm)	Satin Anodized
S710A48	48" (1219 mm)	Satin Anodized
S710A72	72" (1829 mm)	Satin Anodized

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

General Glass Cutting Guidelines
Glass Height = Opening Height
Minus 1-3/8" (35 mm)

COMPONENTS INCLUDED WITH SECURITY ANTI-LIFT PRE-CUT ASSEMBLY:

Upper Double Channel

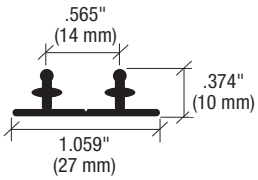




Quantity per assembly: 1

CAT. NO. D603A

Security Lower Rail

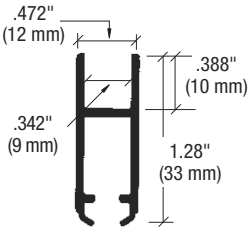




Quantity per assembly: 1

CAT. NO. S702A

Security H-Bar

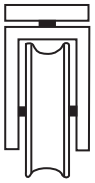




Quantity per assembly: 2

CAT. NO. S710A

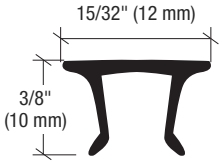
Wheel Assembly

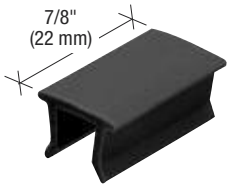




CAT. NO. TA20

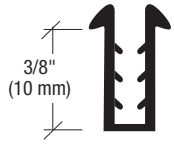
Top Guides





CAT. NO. D652

Glazing Vinyl



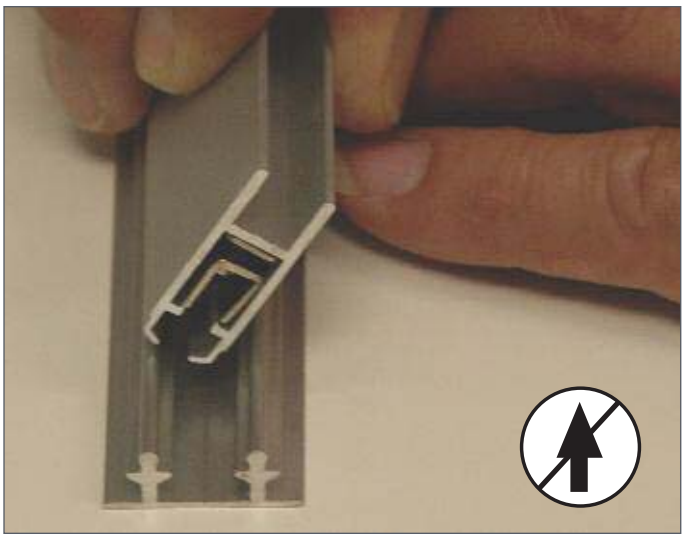


CAT. NO. SDV732C

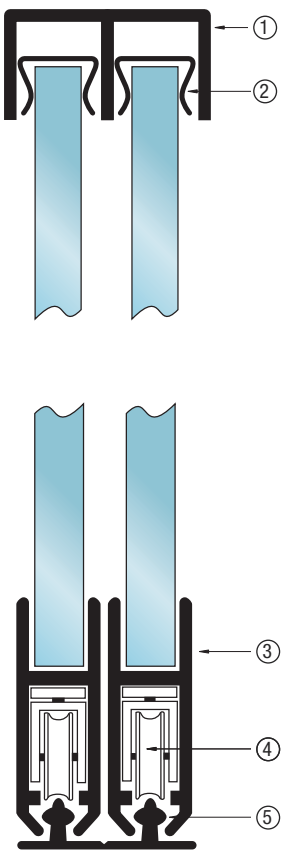
CRL Security Anti-Lift Rolling Track Assembly

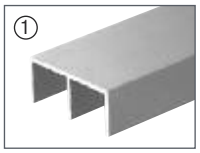
- Designed for 3/16" and 1/4" (5 and 6 mm) Tempered Glass
- Track Extrusions Provide Security and Smooth Operation
- 12 Ft (3.66 m) Length

In addition to our Pre-Cut, ready-to-install Anti-Lift Track Assemblies, CRL now provides this exclusive design packaged with 12 foot (3.66 m) extrusions. This sleek design has excellent features and can be installed in minutes. There is no need to notch the glass doors for installation so your labor costs are reduced. Available in satin anodized finish, these components are designed to provide a reliable, quiet, smooth working Track Assembly that can be used for years without replacement. Security Anti-Lift Rolling Track Assemblies are in stock and available for immediate shipment. **NOTE:** Maximum suggested panel size is 36" W x 48" H (914 x 1219 mm).



COMPONENTS INCLUDED WITH SECURITY ANTI-LIFT TRACK ASSEMBLY:

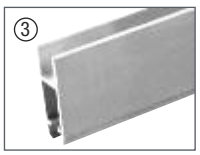




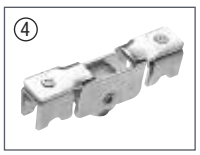
CAT. NO. D603A
Upper Channel (1)



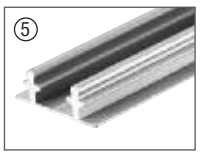
CAT. NO. D652
Top Guides (12)



CAT. NO. S710A
Security H-Bar (1)



CAT. NO. TA20
Wheel Assembly (12)



CAT. NO. S702A
Security Lower Rail (1)

ONLINE ARCHITECTURAL RESOURCES



CRL's Security Anti-Lift Rolling Track Assembly includes 12 foot (3.66 m) lengths of Upper Channel, H-Bar, and Lower Rail, plus Wheel Assemblies and Top Guides. The extrusions for this very popular Track Assembly can be cut to the size of your opening. Cat. No. TA11 End Cap Locks (see page T455), Cat. No. TA30 End Caps, Cat. No. TA40 Retainer Clips, and Cat. No. SDV732 Glazing Vinyl are components that can all be ordered separately, and will enhance the efficiency and effectiveness of your Security Track Assembly (see **crlaurence.com)**.

CAT. NO.	STOCK LENGTH	FINISH
S700A	12' (3.66 m)	Satin Anodized

Minimum order: 1 each. General Glass Cutting Guidelines: Glass Height = Opening Height Minus 1-3/8" (35 mm). All Track Assemblies can be combined for quantity pricing. Stock lengths longer than 98" (2.49 m) cannot ship UPS. They must ship common carrier, or can be picked up at Will Call in all CRL locations.

CRL Continental Style Security Pre-Cut Track Assemblies

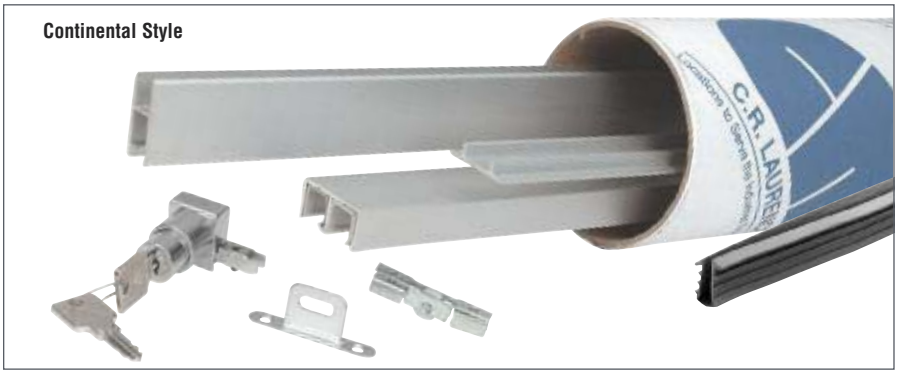
ONLINE ARCHITECTURAL RESOURCES

- Designed for 3/16" and 1/4" (5 and 6 mm) Tempered Glass
- Pre-Cut Assemblies in Three Lengths
- Satin Anodized Finish
- End Cap Lock and Anti-Lift Clip Included





Continental Security Track Assembly Shown with Anti-Lift Clip Installed (Recommended Screw #6X58FHPSMS Sold Separately)



CRL's Continental Style Security Track System is now available in pre-cut, ready to install assemblies that contain all the parts you will need to complete your project. The Continental Track Assembly has a uniquely designed Anti-Lift Clip that prevents removal of the doors when they are in the locked position. This Track Assembly is well designed, efficient, and attractive. These 36", 48", and 72" (914, 1219, and 1829 mm) satin anodized assemblies not only save fabrication labor, but also are more economical due to minimized material waste. CRL End Caps for H-Bar, Cat. No. DV148CH, can be ordered separately (see **crlaurence.com**).
NOTE: Maximum suggested panel size is 36" W x 48" H (914 x 1219 mm).

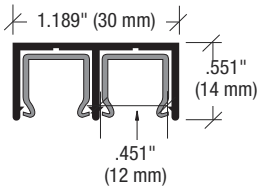
CAT. NO.	LENGTH	FINISH
CTA36A	36" (914 mm)	Satin Anodized
CTA48A	48" (1219 mm)	Satin Anodized
CTA72A	72" (1829 mm)	Satin Anodized

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

General Glass Cutting Guidelines
Glass Height = Opening Height
Minus 1-1/8" (29 mm)

COMPONENTS INCLUDED WITH CONTINENTAL SECURITY PRE-CUT TRACK ASSEMBLY:

Upper Double Channel

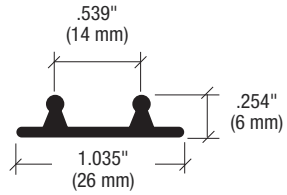


Quantity per assembly: 1



CAT. NO. D609A

Lower Rail

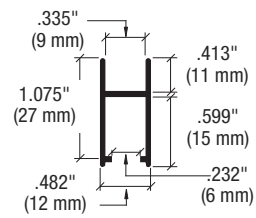


Quantity per assembly: 1



CAT. NO. D602A

H-Bar

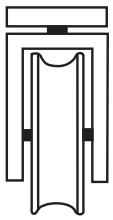


Quantity per assembly: 2



CAT. NO. DV146A

Nylon Wheel Assembly





CAT. NO. DV147

Anti-Lift Clip



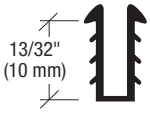
CAT. NO. 6306
Quantity per assembly: 1

End Cap Lock



CAT. NO. 0681S
(Keyed Randomly)
Quantity per assembly: 1

Glazing Vinyl





CAT. NO. DV144C

CRL Continental Style Security Rolling Track Assembly

- Perfect When Security is Required for Sliding Track
- Ready for You to Cut to Size
- 12 Ft (3.66 m) Length

ONLINE ARCHITECTURAL RESOURCES

C.R. Laurence introduces the Continental Series Security Rolling Track Assembly. It uses a unique Anti-Lift Clip and Locking End Cap for an added security feature to prevent doors from being lifted upward and out of the track. The twelve Cat. No. DV147 Nylon Wheels that come with the assembly install quickly in the special extruded aluminum H-Bar with just a small flat tipped screwdriver. (Optional Cat. No. DV147S Steel Wheels are sold separately).

Your customers will enjoy years of quiet, smooth operation from their Continental Style Security Rolling Track Assembly.

- End Cap Lock and Anti-Lift Clip Sold Separately

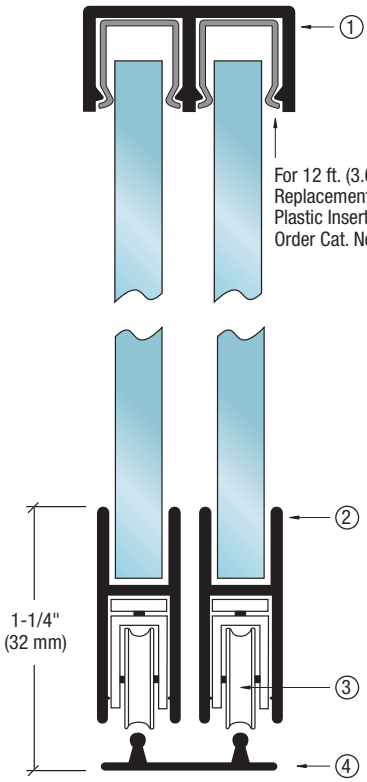


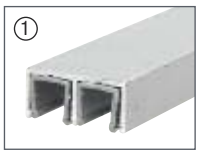




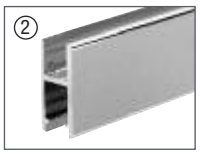
Continental Security Track Assembly shown with Cat. No. 0681 Lock and Cat. No. 6306 Anti-Lift Clip (sold separately, see previous page).

COMPONENTS INCLUDED WITH CONTINENTAL SECURITY TRACK ASSEMBLY:

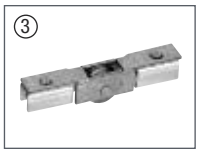




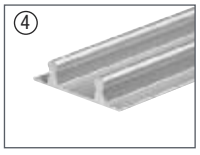
CAT. NO. D609
Upper Channel (1)



CAT. NO. DV146
H-Bar (1)



CAT. NO. DV147
Nylon Wheel Assembly (12)



CAT. NO. D602
Lower Rail (1)

CRL's Continental Series Security Rolling Track Assembly components are conveniently boxed for ease of handling and include 12 foot (3.66 m) lengths of Upper Channel, Lower Rail, H-Bar, and Wheel Assemblies. The extrusions for this popular Track Assembly can be cut to size. Cat. No. 0681 End Cap Locks and Cat. No. 6306 Anti-Lift Clips (see page T454), are sold separately, and are necessary components to make this track assembly secure. CRL DV144C or DV144M (see previous page) Glazing Vinyl provides a professional finished appearance, and must be ordered separately. **NOTE**: Maximum suggested panel size is 36" W x 48" H (914 x 1219 mm).

CAT. NO.	STOCK LENGTH	FINISH
CTA00A	12' (3.66 m)	Satin Anodized
CTA00BA	12' (3.66 m)	Brite Anodized
CTA00BGA	12' (3.66 m)	Brite Gold Anodized

Minimum order: 1 each. General Glass Cutting Guidelines: Glass Height = Opening Height Minus 1-1/8" (29 mm). All Track Assemblies can be combined for quantity pricing. Stock lengths longer than 98" (2.49 m) cannot ship UPS. They must ship common carrier, or can be picked up at Will Call in all CRL locations.

CRL Deluxe Pre-Cut Rolling Track Assemblies

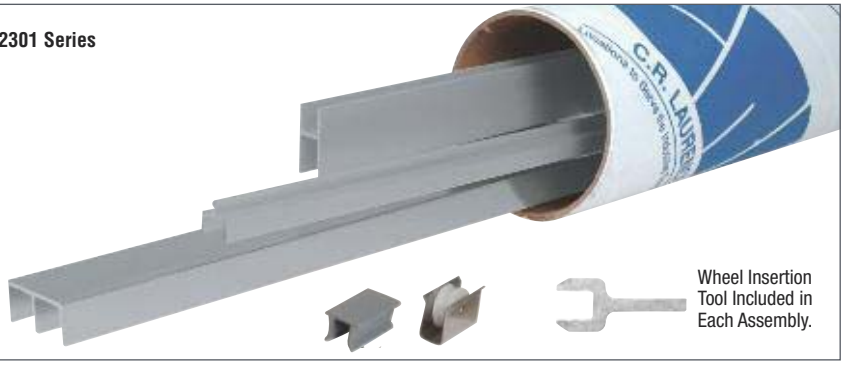
- Available in Three Convenient Pre-Cut Lengths
- Features Combination Bottom Track
- Satin Anodized Finish

ONLINE ARCHITECTURAL RESOURCES

D2301 Series



D2301 Series



The CRL Deluxe Track Assembly is smooth working, reliable, and attractive. It is available in three pre-cut, easy to install lengths. These 36", 48", and 72" (914, 1219, and 1829 mm) satin anodized assemblies are the perfect solution for your custom project. Cut-to-length extrusions save you installation time and minimize material loss. The H-Bar is cut to permit a 1-1/2" (38 mm) overlap. The combination Lower Channel matches the design of the Upper Channel.

CRL Cat. No. D332 End Caps for H-Bar Extrusion can be purchased separately (see **crlaurence.com**). For dry glazing with 1/4" (6 mm) glass use Cat. No. GC728C Vinyl sold separately (see **crlaurence.com**). CRL also has a large selection of Locks available to secure the sliding doors. Please refer to pages T452-T455 for CRL Ratchet and Plunger Type Locks. **NOTE**: Maximum suggested panel size is 36" W x 48" H (914 x 1219 mm).

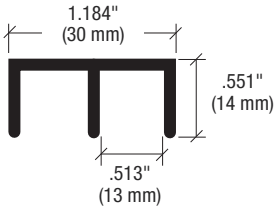
CAT. NO.	LENGTH	FINISH
D2301A36	36" (914 mm)	Satin Anodized
D2301BN36	36" (914 mm)	Brushed Nickel
D2301A48	48" (1219 mm)	Satin Anodized
D2301BN48	48" (1219 mm)	Brushed Nickel
D2301A72	72" (1829 mm)	Satin Anodized
D2301BN72	72" (1829 mm)	Brushed Nickel

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

General Glass Cutting Guidelines
Glass Height = Opening Height
Minus 1-3/8" (35 mm)

COMPONENTS INCLUDED WITH CONTINENTAL PRE-CUT SECURITY TRACK ASSEMBLY:

Upper Double Channel

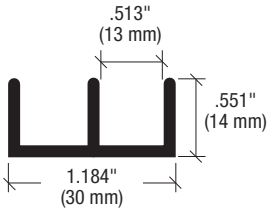




Quantity per assembly: 1

CAT. NO. D603

Lower Double Channel

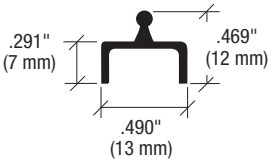




Quantity per assembly: 1

CAT. NO. D603

Lower Channel Insert Rails

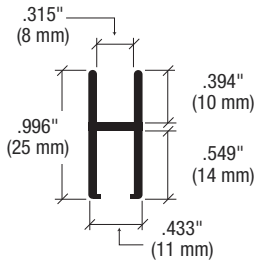




Quantity per assembly: 2

CAT. NO. D601

H-Bar

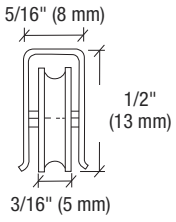


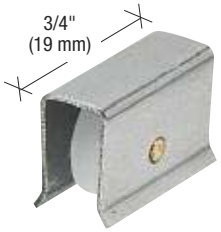


Quantity per assembly: 2

CAT. NO. D610

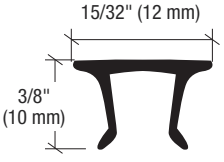
Nylon Wheels





CAT. NO. D650

Top Guides





CAT. NO. D652

CRL Deluxe Rolling Track Assemblies

ONLINE ARCHITECTURAL RESOURCES

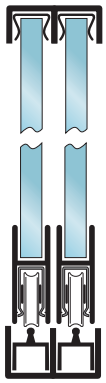
- Ideal for Commercial or Residential Applications
- Designed for Quick and Easy Installation
- Available in Five Stock Finishes
- 12 Ft (3.66 m) Length





CRL's 12 foot (3.66 m) Deluxe Rolling Track Assemblies provide three options for Upper Track Extrusions, depending on your design preference. This system is ideally suited where frequency of use requires ease of operation and years of reliable service. These Assemblies have many finish options. This Rolling Track Assembly is one of our most popular systems, and you will find it to be one of the most user friendly, trouble-free tracks available anywhere. CRL also has a large selection of Locks available to secure the sliding doors. Please refer to pages T452-T455 for CRL Ratchet and Plunger Type Locks. For dry glazing with 1/4" (6 mm) glass use Cat. No. GC728C Vinyl sold separately (see **crlaurence.com**). **NOTE:** Maximum suggested panel size is 36" W x 48" H (914 x 1219 mm).

D2301 Series





CAT. NO. D603
Upper Channel (1)



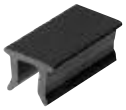
CAT. NO. D610
H-Bar (1)



CAT. NO. D601
Insert Rails (2)



CAT. NO. D603
Lower Channel (1)



CAT. NO. D652
Top Guides (12)



CAT. NO. D650
Nylon Wheels (12)

-OR-

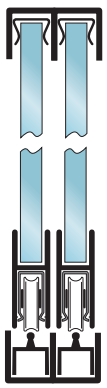


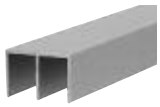
CAT. NO. D649
Steel Ball Bearing Wheels (12)

CAT. NO. WITH D650 NYLON WHEELS	CAT. NO. WITH D649 BALL BEARING WHEELS	STOCK LENGTH	FINISH
D2301A	D2301ABB	12' (3.66 m)	Satin Anodized
D2301GA	D2301GABB	12' (3.66 m)	Gold Anodized
D2301DU	D2301DUBB	12' (3.66 m)	Bronze Anodized
D2301BL	D2301BLBB	12' (3.66 m)	Flat Black
D2301BN	D2301BNBB	12' (3.66 m)	Brushed Nickel

Minimum order: 1 each. General Glass Cutting Guidelines: Glass Height = Opening Height Minus 1-3/8" (35 mm). All Track Assemblies can be combined for quantity pricing. Track Assemblies longer than 98" (2.49 m) cannot be shipped UPS. They must ship common carrier, or can be picked up at Will Call in all CRL locations.

D2307 Series





CAT. NO. D613
Deep Upper Channel (1)



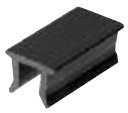
CAT. NO. D610
H-Bar (1)



CAT. NO. D601
Insert Rail (2)



CAT. NO. D603
Lower Channel (1)



CAT. NO. D652
Top Guides (12)



CAT. NO. D650
Nylon Wheels (12)

-OR-

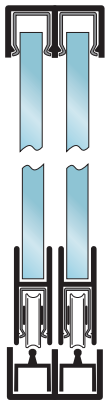


CAT. NO. D649
Steel Ball Bearing Wheels (12)

CAT. NO. WITH D650 NYLON WHEELS	CAT. NO. WITH D649 BALL BEARING WHEELS	STOCK LENGTH	FINISH
D2307A	D2307ABB	12' (3.66 m)	Satin Anodized
D2307GA	D2307GABB	12' (3.66 m)	Gold Anodized
D2307DU	D2307DUBB	12' (3.66 m)	Bronze Anodized
D2307BL	D2307BLBB	12' (3.66 m)	Flat Black
D2307BN	D2307BNBB	12' (3.66 m)	Brushed Nickel

Minimum order: 1 each. General Glass Cutting Guidelines: Glass Height = Opening Height Minus 1-5/8" (41 mm). All Track Assemblies can be combined for quantity pricing. Track Assemblies longer than 98" (2.49 m) cannot be shipped UPS. They must ship common carrier, or can be picked up at Will Call in all CRL Locations.

D2300 Series





CAT. NO. D609
Plastic Lined Upper Channel (1)



CAT. NO. D610
H-Bar (1)



CAT. NO. D601
Insert Rails (2)



CAT. NO. D603
Lower Channel (1)



CAT. NO. D650
Nylon Wheels (12)

-OR-



CAT. NO. D649
Steel Ball Bearing Wheels (12)

CAT. NO. WITH D650 NYLON WHEELS	CAT. NO. WITH D649 BALL BEARING WHEELS	STOCK LENGTH	FINISH
D2300A	D2300ABB	12' (3.66 m)	Satin Anodized
D2300GA	D2300GABB	12' (3.66 m)	Gold Anodized
D2300DU	D2300DUBB	12' (3.66 m)	Bronze Anodized
D2300BL	D2300BLBB	12' (3.66 m)	Flat Black
D2300BN	D2300BNBB	12' (3.66 m)	Brushed Nickel

Minimum order: 1 each. General Glass Cutting Guidelines: Glass Height = Opening Height Minus 1-3/8" (35 mm). All Track Assemblies can be combined for quantity pricing. Track Assemblies longer than 98" (2.49 m) cannot be shipped UPS. They must ship common carrier, or can be picked up at Will Call in all CRL Locations.

CRL Low Profile Pre-Cut Rolling Track Assemblies

- Available in Three Convenient Pre-Cut Lengths
- Satin Anodized and Brushed Nickel Finishes



USE MONOLITHIC TEMPERED GLASS

ONLINE ARCHITECTURAL RESOURCES



These Track Assemblies are smooth operating, and will provide years of reliable service. CRL's Low Profile Track Assembly, available in three popular pre-cut lengths, is the most efficient way to purchase a track system for your pass-thru since it minimizes waste of materials.

All the Track Assembly components you require are packed in a convenient shipping tube. They are easy to install. The two pieces of H-Bar for the bypassing doors have a 1-1/2" (38 mm) overlap. CRL Cat. No. D332 End Caps for the H-Bar can be purchased separately. For dry glazing with 1/4" (6 mm) glass use Cat. No. GC728C Vinyl (sold separately).

CAT. NO.	LENGTH	FINISH
D2203A36	36" (914 mm)	Satin Anodized
D2203BN36	36" (914 mm)	Brushed Nickel
D2203A48	48" (1219 mm)	Satin Anodized
D2203BN48	48" (1219 mm)	Brushed Nickel
D2203A72	72" (1829 mm)	Satin Anodized
D2203BN72	72" (1829 mm)	Brushed Nickel

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

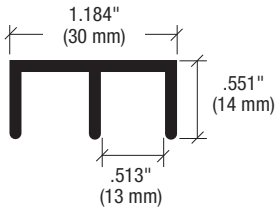
To provide security, refer to the large selection of CRL Ratchet and Plunger Type Locks on pages T452-T455.

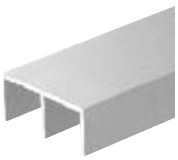
NOTE: Maximum suggested panel size is 36" W x 48" H (914 x 1219 mm).

General Glass Cutting Guidelines
Glass Height = Opening Height Minus 1-1/8" (29 mm)

COMPONENTS INCLUDED WITH LOW PROFILE PRE-CUT TRACK ASSEMBLY:

Upper Double Channel

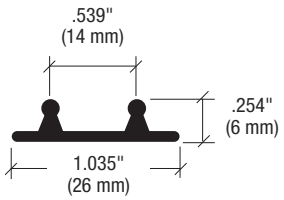




Quantity per assembly: 1

CAT. NO. D603

Lower Rail

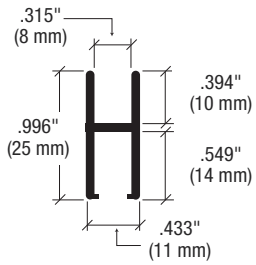




Quantity per assembly: 1

CAT. NO. D602

H-Bar

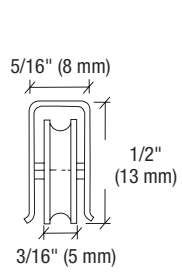


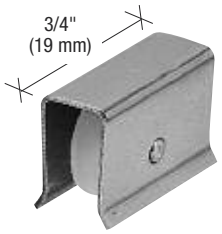


Quantity per assembly: 2

CAT. NO. D610

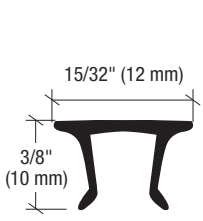
Nylon Wheels

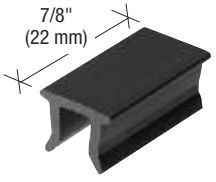




CAT. NO. D650

Top Guides





CAT. NO. D652

CRL Low Profile Rolling Track Assemblies

- An Excellent Choice for Any Project
- Choose From Two Styles of Upper Channel
- Available in Up to Six Finishes
- 12 Ft (3.66 m) Length

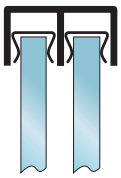
USE MONOLITHIC TEMPERED GLASS



ONLINE ARCHITECTURAL RESOURCES

CRL's 12 foot (3.66 m) Low Profile Rolling Track Assemblies are packaged to contain the Extrusions, Wheels, and Guides you will need to complete your custom project. Designed for 1/4" (6 mm) tempered glass doors, these Track Assemblies have long been a popular choice for display cases, trophy cases, china cabinets, as well as cases for any retail store application. Choose from either Nylon or Steel Ball Bearing Wheel Assemblies for years of smooth and reliable service. The versatility of this track system allows for design flexibility. For optional locking hardware see pages T452-T455. For dry glazing with 1/4" (6 mm) glass use Cat. No. GC728C Vinyl, sold separately (see **crlaurence.com**). **NOTE:** Maximum suggested panel size is 36" W x 48" H (914 x 1219 mm).

D2203 Series

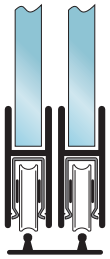




CAT. NO. D603
Upper Channel (1)



CAT. NO. D610
H-Bar (1)





CAT. NO. D652
Top Guides (12)



CAT. NO. D602
Lower Rail (1)



-OR-



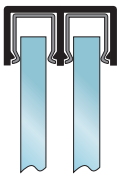
CAT. NO. D650
Nylon Wheels (12)

CAT. NO. D649
Steel Ball Bearing Wheels (12)

CAT. NO. WITH D650 NYLON WHEELS	CAT. NO. WITH D649 BALL BEARING WHEELS	STOCK LENGTH	FINISH
D2203A	D2203ABB	12' (3.66 m)	Satin Anodized
D2203BN	D2203BNBB	12' (3.66 m)	Brushed Nickel
D2203GA	D2203GABB	12' (3.66 m)	Gold Anodized
D2203DU	D2203DUBB	12' (3.66 m)	Bronze Anodized
D2203BL	D2203BLBB	12' (3.66 m)	Flat Black
D2203BA	D2203BABB	12' (3.66 m)	Brite Anodized

Minimum order: 1 each. General Glass Cutting Guidelines: Glass Height = Opening Height Minus 1-1/8" (29 mm). All Track Assemblies can be combined for quantity pricing. Track Assemblies longer than 98" (2.49 m) cannot be shipped UPS. They must ship common carrier, or can be picked up at Will Call in all CRL locations.

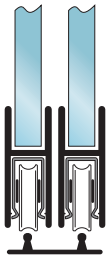
D2204 Series

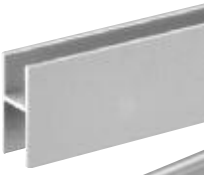


CAT. NO. D609
Plastic Lined Upper Channel (1)

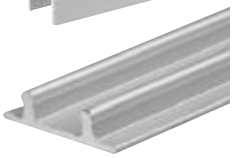


CAT. NO. D610
H-Bar (1)





CAT. NO. D602
Lower Rail (1)





-OR-



CAT. NO. D650
Nylon Wheels (12)

CAT. NO. D649
Steel Ball Bearing Wheels (12)

CAT. NO. WITH D650 NYLON WHEELS	CAT. NO. WITH D649 BALL BEARING WHEELS	STOCK LENGTH	FINISH
D2204A	D2204ABB	12' (3.66 m)	Satin Anodized
D2204BN	D2204BNBB	12' (3.66 m)	Brushed Nickel
D2204GA	D2204GABB	12' (3.66 m)	Gold Anodized
D2204DU	D2204DUBB	12' (3.66 m)	Bronze Anodized
D2204BL	D2204BLBB	12' (3.66 m)	Flat Black

Minimum order: 1 each. General Glass Cutting Guidelines: Glass Height = Opening Height Minus 1-1/8" (29 mm). All Track Assemblies can be combined for quantity pricing. Track Assemblies longer than 98" (2.49 m) cannot be shipped UPS. They must ship common carrier, or can be picked up at Will Call in all CRL locations.

CRL Surface Mount and Pocket Glaze Track Assembly Extrusions

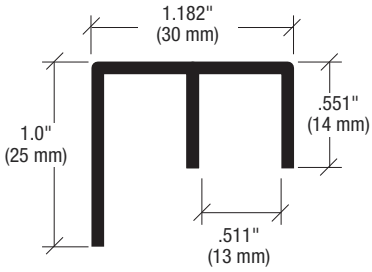
- Used to Fabricate Custom Size Display Cases, Cabinets or Pass-Thru's
- Mount on Surface or Into Wall Opening

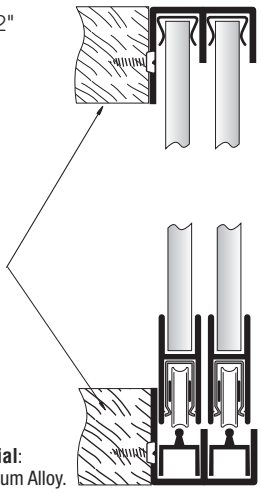


CRL offers you extrusions for Surface Mounted and Pocket Glazed Track Assemblies for commercial and residential installations. They mount quickly and easily into an opening on the wall. Aluminum H-Bar, Wheel Assemblies, and accessories are the same as used in other CRL Track Assemblies. Panels are easily removed by simply lifting up and out. They are easy to install, and give a smooth, attractive finish to wall openings for display cases, shelves, etc. Miter cut the corners and use the same Extrusion to form a full frame.

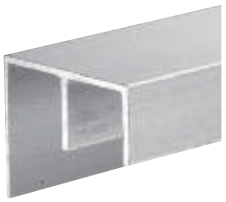
CRL Surface Mount Double Channel Extrusion

This CRL Surface Mount Double Channel Extrusion has a 1" (25 mm) high flange on one side for mounting to the wall, and is designed to project out from the wall 1.182" (30 mm). If the corners are miter cut, the same Extrusion can be utilized to fully frame the cut-out.





Material:
Aluminum Alloy.

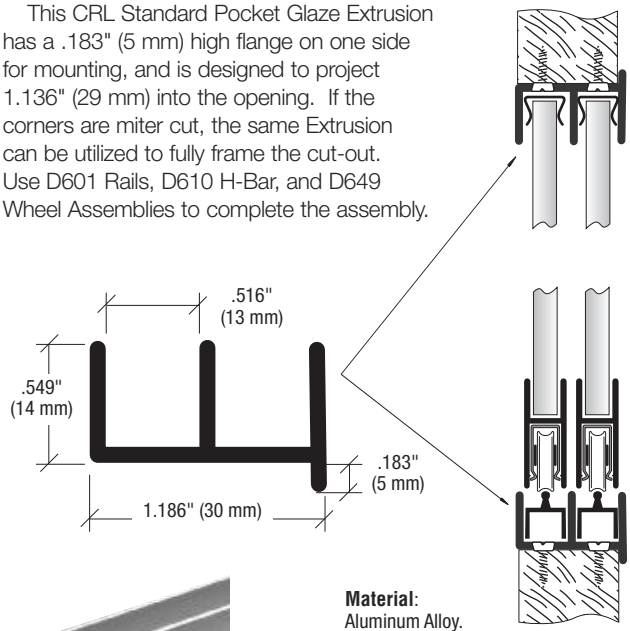


CAT. NO.	LENGTH	FINISH
D161312A	12'0" (3.66 m)	Satin Anodized
D161312DU	12'0" (3.66 m)	Bronze Anodized

Minimum order: 1 stock length.

CRL Standard Pocket Glaze Extrusion

This CRL Standard Pocket Glaze Extrusion has a .183" (5 mm) high flange on one side for mounting, and is designed to project 1.136" (29 mm) into the opening. If the corners are miter cut, the same Extrusion can be utilized to fully frame the cut-out. Use D601 Rails, D610 H-Bar, and D649 Wheel Assemblies to complete the assembly.



Material:
Aluminum Alloy.

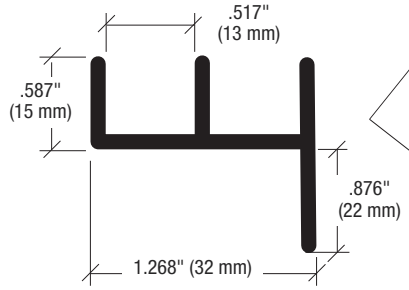


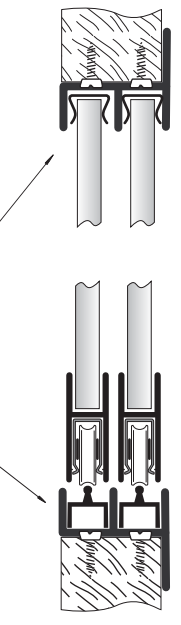
CAT. NO.	LENGTH	FINISH
D1603A	12'0" (3.66 m)	Satin Anodized
D1603DU	12'0" (3.66 m)	Bronze Anodized

Minimum order: 1 stock length.

CRL Heavy-Duty Pocket Glaze Extrusion

This CRL Heavy-Duty Pocket Glaze Extrusion has a .876" (22 mm) high flange on one side for mounting to the wall, and is designed to project into the opening 1.177" (30 mm). If the corners are miter cut, the same Extrusion can be utilized to fully frame the cut-out. Use D601 Rails, D610 H-Bar, and D649 Wheel Assemblies to complete the assembly.





Material:
Aluminum Alloy.



CAT. NO.	LENGTH	FINISH
D3025A	12'0" (3.66 m)	Satin Anodized
D3025DU	12'0" (3.66 m)	Bronze Anodized

Minimum order: 1 stock length.

All finishes and shapes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than 10 combined lengths. Stock lengths longer than 98" (2.49 m) must ship common carrier, unless you specify we cut them for U.P.S. A Cutting Charge will apply.

CRL Double Roller Track System

- Perfect for Showcases and Display Cabinets
- Designed for 1/4" (6 mm) Tempered Glass
- Smooth Operating Nylon Rollers are Built Into the Lower Track
- Simple 'Lift and Drop' Glass Installation
- Polished Aluminum Finish





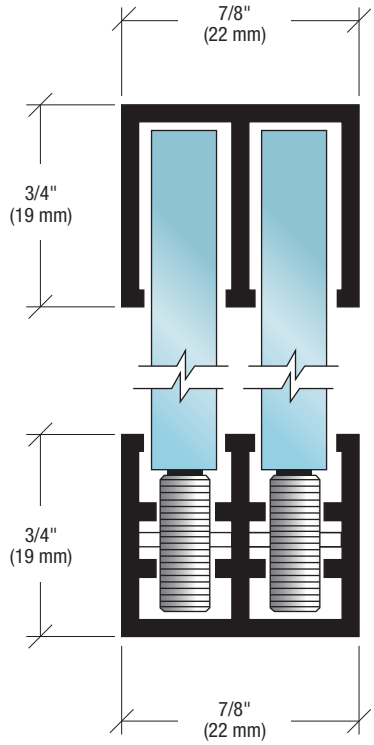
Our Double Roller Track System is beautifully designed to be both attractive and functional. Everything you need to install sliding glass doors into a showcase or cabinet is included. Just cut the Upper Channel and Lower Track to size and it's ready to install.

Smooth operating nylon rollers are spaced every 4" (102 mm) in the Lower Track, which has been pre-drilled with holes for securing it to the base. The Top Channel is easily set into place above the Bottom Track, and can even be used as a side jamb to provide a full surround frame for the glass doors.

NOTE: Designed for use with 1/4" (6 mm) tempered glass, the maximum recommended panel size is 60" (1524 mm) tall by 30" (792 mm) wide, or a ratio of 1.5:1. Recommended minimum overlap of glass panels is 1-1/2" (38 mm).
General Glass Cutting Guidelines:
Glass Height = Opening Height minus 7/8" (22 mm).

- Top Channel Can Be Used as Side Jambs or for a Surround Frame

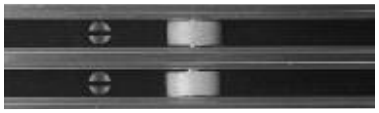




TOP CHANNEL

CAT. NO.	LENGTH	FINISH
16790	78" (2 m)	Polished Aluminum
16795	157" (4 m)	Polished Aluminum

Minimum order: 1 stock length. All track extrusions can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than four combined lengths. 157" (4 m) lengths must ship common carrier, unless you specify we cut them for U.P.S. A Cutting Charge will apply.





LOWER TRACK WITH NYLON ROLLERS

CAT. NO.	LENGTH	FINISH
16780	78" (2 m)	Polished Aluminum
16785	157" (4 m)	Polished Aluminum

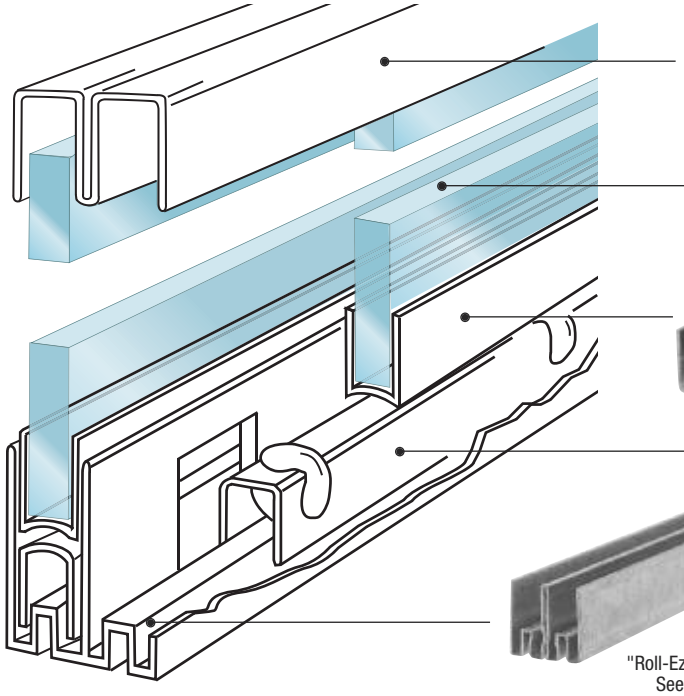
Minimum order: 1 stock length. All track extrusions can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than four combined lengths. 157" (4 m) lengths must ship common carrier.

CRL "Roll-Ezy" Steel Track Assemblies and Components for Larger Glass Doors

USE MONOLITHIC TEMPERED GLASS

- Zinc Plated Steel Assembly With a Maximum Weight Capacity of 50 Pounds (22.7 kg) per Linear Foot
- Ideal for Larger Door Installations Such as Display, Gun or Trophy Cases
- Intended for Use With 1/4" (6 mm) Tempered Glass

CRL "Roll-Ezy" Track Assemblies allow you to customize larger sliding door assemblies to your individual needs. Made from zinc plated steel, these Assemblies are strong enough to handle loads of up to 50 pounds (22.7 kg) per linear foot. The Double Track Assemblies come in 12 foot (3.66 m) stock lengths, and they are also available in pre-cut Kits in lengths of 36", 48", 60", and 72" (914, 1219, 1524, and 1829 mm) for your convenience. CRL also has all the accessories required to complete a project, from the security locks to finger pulls. Go to **crlaurence.com/track-assemblies** for the complete selection.





"Roll-Ezy" Upper Channel
See page T451



Glass Accessories; Finger Pulls, Knobs, and Locks
See pages T452 - T456



"Roll-Ezy" Shoe for Glass
See page T451



"Roll-Ezy" Ball Bearing Carrier
See page T451



"Roll-Ezy" Lower Track
See page T451

CRL "Roll-Ezy" Steel Track Assembly for Bypassing Doors

USE MONOLITHIC TEMPERED GLASS

- Zinc Plated Steel Components Designed for 1/4" (6 mm) Thick Large Glass Doors
- Cut to Your Own Length
- Easy to Install

This CRL "Roll-Ezy" Ball Bearing Track Assembly is ideal for installations with large bypassing doors. The design of the Assembly is such that it can be cut down to fit the opening. Go to **crlaurence.com** for fabrication formulas and details.

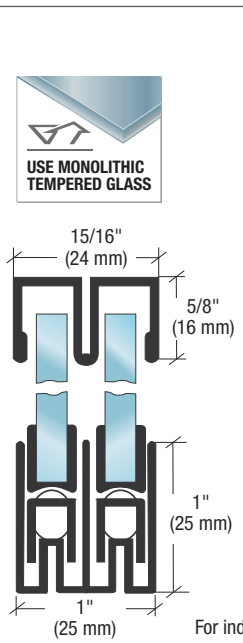
Assembly includes one 12' (3.66 m) length of each steel component: KV993, KV995, KV997, KV999, and one 6' (1.83 m) length of KV997.

NOTE: Sliding panel height not to exceed 2-1/2 times width.

For assistance with Track for Heavy Glass Doors contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International'

CAT. NO.	LENGTH	FINISH
KV992144	12'- 0" (3.66 m)	Zinc Plated Steel

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



Double Upper Channel

Shoe for Glass

Ball Bearing Carrier

Double Lower Track



For individual 12 foot (3.66 m) stock lengths see opposite page.

CRL Pre-Cut "Roll-Ezy" Steel Track Assemblies for Bypassing Doors

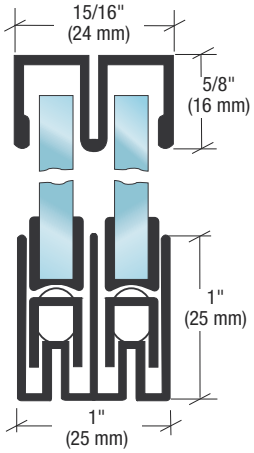
- Zinc Plated Steel Assemblies for Use With 1/4" (6 mm) Tempered Glass
- Pre-Cut for Your Convenience
- Easy to Install

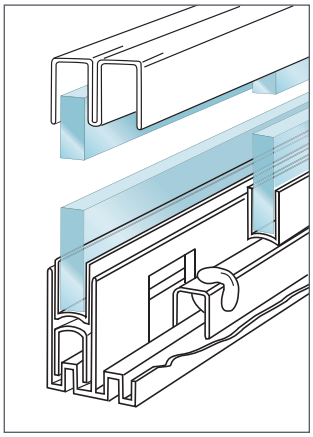
This CRL "Roll-Ezy" Ball Bearing Track Assembly is ideal for installations with bypassing doors. The Assembly is easy to install, and once installation is complete the doors roll smoothly with frictionless ball-bearing operation. The design of the Assembly is such that it can be cut down to fit the opening.

The assembly is designed for use with 1/4" (6 mm) tempered glass, and is available in four pre-cut sizes for your convenience and to eliminate waste.

Pre-Cut Assemblies include: One piece of KV993 Upper Channel, two pieces of KV995 Shoe for Glass, two pieces of KV997 Ball Bearing Carrier, and one piece of KV999 Lower Track.

Cut glass 1-1/4" (32 mm) shorter than height of opening, and allow 1" (25 mm) overlap for doors. Maximum weight limit is 50 pounds (22.7 kg) per linear foot.





NOTE: Each sliding panel height not to exceed 2-1/2 times width.



CAT. NO.	LENGTH	FINISH
KV99236	36" (914 mm)	Zinc Plated Steel
KV99248	48" (1219 mm)	Zinc Plated Steel
KV99260	60" (1524 mm)	Zinc Plated Steel
KV99272	72" (1829 mm)	Zinc Plated Steel

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


Double Upper Channel


Shoe for Glass Doors

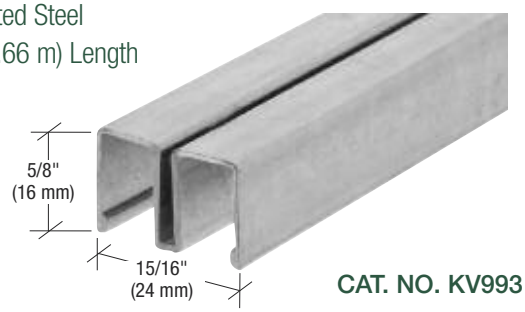

Double Lower Track


Ball Bearing Carrier

CRL "Roll-Ezy" Steel Track Components

Double Upper Channel

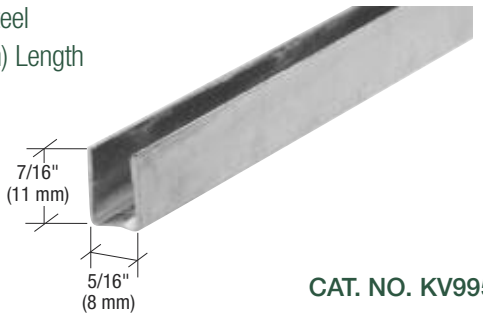
- Zinc Plated Steel
- 12 Ft (3.66 m) Length



CAT. NO. KV993

Shoe for Glass Doors

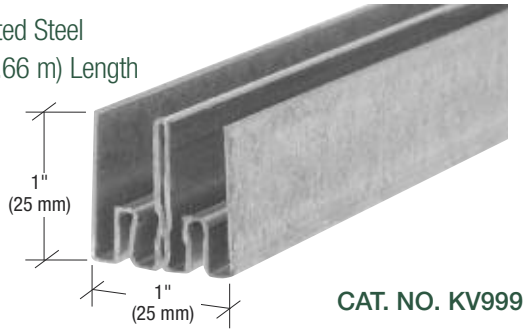
- Zinc Plated Steel
- 12 Ft (3.66 m) Length



CAT. NO. KV995

Double Lower Track

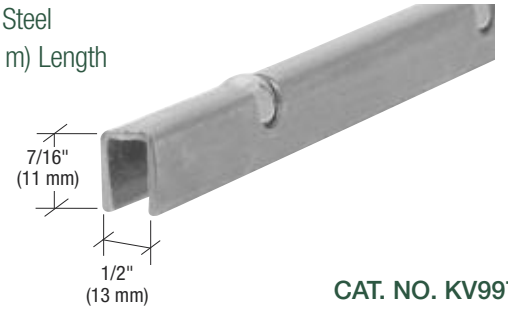
- Zinc Plated Steel
- 12 Ft (3.66 m) Length



CAT. NO. KV999

Ball Bearing Carrier

- Zinc Plated Steel
- 12 Ft (3.66 m) Length



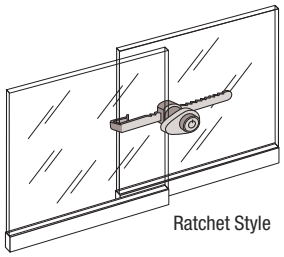
CAT. NO. KV997

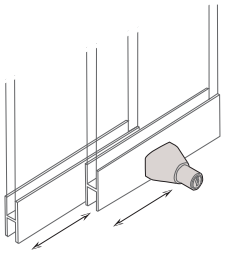
Minimum order: 1 stock length. All Roll-Ezy Track can be combined for quantity pricing. Must ship common carrier. A Packing Charge will be added to orders of fewer than five combined lengths.

CRL LOCKS FOR TRACK ASSEMBLIES

CRL Sliding Glass Door Locks

- Easily Installed Ratchet Style Locks
- Popular Plunger Style Locks


Ratchet Style


Plunger Style

CRL offers a vast selection of Sliding Glass Door Locks for Rolling Track Assemblies. These locks are well designed, functional, and easy to install. Most CRL Locks may be ordered as "Keyed Alike" when it is desired to have one key operate multiple locations.

CRL Sliding Glass Door Lock

- Screw-On Ratchet Bar Holds Lock Onto Glass
- Economical, Easy to Install



This CRL Sliding Glass Door Lock is extremely convenient to open and re-secure. The bar width is 7/16" (11 mm), and it is notched for closed adjustment. The bypassing glass door overlap is 1-1/8" to 3-1/4" (29 to 83 mm). Each Lock is supplied with two Keys. Available in both chrome and brass finishes.

CAT. NO. RANDOM KEYS	CAT. NO. KEYED ALIKE	FINISH
2040	2040KA	Chrome
2045	2045KA	Brass
2040KEY*	2040KEY*	Replacement Key

Minimum order: 1 each. *Note: Specify key number when placing order for Replacement Key.
All Locks can be combined for quantity pricing.

CRL Stick-On Rolling Track Lock

- Available in Three Finishes
- Economical, Easy to Install



CRL Stick-On Track Locks help resist shoplifting. Peel and stick adhesive - easy to install - no holes to drill or special tools required. Locked doors cannot be separated or lifted out. Easy to operate - push in and turn key. Works with doors overlapping 3/4" to 2" (19 to 51 mm).

CAT. NO. RANDOM KEYS	CAT. NO. KEYED ALIKE	FINISH
TDK7A	TDK7AKA	Aluminum
TDK7DU	TDK7DUKA	Bronze Anodized
TDK7GA	TDK7GAKA	Gold Anodized

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

CRL "Pick Proof" Sliding Glass Door Lock

- Used On All Types of Sliding Glass Doors
- "Pick Proof" Cylinder



This CRL Sliding Glass Door Lock is perfect for all types of 1/4" (6 mm) thick 'all-glass' sliding doors. The "pick proof" cylinder gives you added security. It is adjustable for overlaps from 1" to 3" (25 to 76 mm). Can be keyed alike on special request. Comes with two Keys.

CAT. NO.	KEYED	FINISH
KV965	Randomly	Chrome Plated

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

CRL "Tamper Proof" Sliding Glass Door Locks

- Used on All Types of Sliding Glass Doors
- Chrome Finish


CAT. NO. 963L
For 1/4" (6 mm) Glass


CAT. NO. 962L
Adjustable for up to 1/2" (12 mm) Glass

CRL "Tamper Proof" Sliding Glass Door Locks have an improved design that includes a housing that prevents spreading of glass doors. Fits any sliding 'all-glass' door, many wood and metal doors, too. They're easily attached - you don't need tools. Durable construction, finished in rustproof chrome. For overlaps of 3/4" to 3-3/8" (19 to 86 mm). Bar width is 5/8" (16 mm). Keyed randomly. Minimum order is one each.

CRL Keymatic Sliding Glass Door Lock

- Multi-Combination Cylinder
- Polished Nickel Finish



Specifically designed as a top security lock for sliding cabinet doors. The exclusive Keymatic Cylinder allows combination changes using the Keymatic Master Combination Key. Up to eight different keys may be used to operate the Lock. Installs with only a screwdriver. Maximum door thickness is 1/4" (6 mm) with the standard bar. An Optional Adjustable Bar allows use on doors up to 1/2" (12 mm) thick. The front shoulder on the lock barrel prevents spreading of glass panels to bypass the Lock.

CAT. NO.	DESCRIPTION	MAX. DOOR THICKNESS
KML48	Standard Ratchet Lock	1/4" (6 mm)
KML48AB	Optional Adjustable Bar	1/2" (12 mm)

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

CRL LOCKS FOR TRACK ASSEMBLIES

CRL Glass Showcase Lock

- Fits Up to 5/16" (8 mm) Thick Glass Doors
- Screw-On Ratchet Bar to Hold Lock Onto Glass
- Secure, Double-Bit Key



This CRL Glass Showcase Lock is designed to be used on showcases or cabinets with sliding glass doors, and is available randomly keyed or keyed alike. Extremely convenient to open and re-secure. The ratchet bar is secured to one of the glass panels with a plastic tipped thumb screw. The bar width is 13/32" (10 mm). Glass door overlap is 1-1/4" to 4" (32 to 102 mm). Each Lock is supplied with two double-bit keys. For blank replacement Keys order Cat. No. K1033.

CAT. NO. RANDOM KEYS	CAT. NO. KEYED ALIKE	FINISH
220CH	220CHKA	Chrome

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

CRL "Z" Type Slideguard Lock

- Glue-On Keyed Lock for Showcases
- Easy to Install



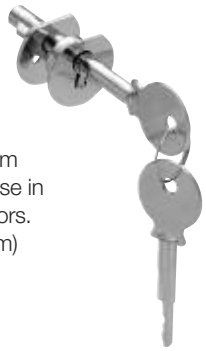
CRL Slideguard Locks are the perfect choice for your showcase or cabinet sliding glass door security requirements. This Lock operates the same as the Original Type Slideguard Lock, and bonds permanently to glass or metal with supplied adhesive. The Stop is bent over to a "Z" configuration to prevent spreading of the glass on showcase installations. Locks are randomly keyed.

CAT. NO.	FINISH
SLGZ14	Stainless Steel

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

CRL Universal Plunger Lock

- For Glass or Wood Doors From 1/4" to 1/2" (6 to 12 mm) Thick
- Available in Three Finishes



The CRL Universal Plunger Lock will fit panels from 1/4" to 1/2" (6 to 12 mm) thick, making it ideal for use in glass, masonite or wood showcase and cabinet doors. Use CRL Cat. No. AG1116 to drill an 11/16" (17 mm) hole for installation. Package includes two keys, mounting screws, plates, and a lock tumbler.
NOTE: Works with LK610 and KK610 H-Bars.

CAT. NO. RANDOM KEYS	CAT. NO. KEYED ALIKE	FINISH
D802C	D802CKA	Chrome
D802BR	-	Brass
D802DU	-	Bronze Anodized

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

CRL Original Type Slideguard Lock

- Glue-On Keyed Lock for Sliding Doors and Windows
- Easy to Install



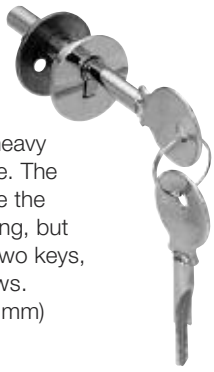
CRL's "Original Type" Slideguard Lock is designed to be used for sliding doors and windows. The receiver portion of this keyed Lock bonds permanently to glass or metal with supplied adhesive. The locking stop plate slides on and is removable with a key. The large 90 degree stop secures sliding doors or windows. Locks are randomly keyed.

CAT. NO.	FINISH
SLG014	Stainless Steel

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

CRL Sliding Glass Door Lock

- Chrome Plated
- Fits Up to 1/4" (6 mm) Thick Glass



CRL Cabinet Sliding Glass Door Locks have a heavy chrome plating that gives them a rich appearance. The low profile design is favored for showcases where the appearance of locking hardware may be distracting, but security is important. They come complete with two keys, plug locking case, two washers, and two screws. Use CRL Cat. No. AG1116 to drill an 11/16" (17 mm) diameter hole for installation.

CAT. NO. RANDOM KEYS	CAT. NO. KEYED ALIKE	FINISH
LK16	LK16KA	Chrome

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

CRL Thumb Turn Type Slideguard Lock

- Glue-On Thumb Turn Lock for Sliding Doors and Windows
- Easy to Install



CRL Slideguard Locks are the perfect choice for your security projects. The receiver portion of this Thumb Turn Lock bonds permanently to glass or metal with supplied adhesive. The stop plate slides on and is removable by rotating the thumb turn. Large 90 degree stop secures sliding doors and windows.

CAT. NO.	FINISH
SLGT14	Stainless Steel

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

CRL LOCKS FOR TRACK ASSEMBLIES

CRL Track Plunger Lock



- Spring Activated Plunger Locks Without Key
- Simple to Install

The CRL Chrome Track Plunger Lock installs easily in track assemblies with sliding glass doors. You can install it in either the top or bottom of the door. The spring-activated design permits locking simply by pushing the plunger without the key. Comes with ferrule and two keys. If the 981 is used with Cat. No.'s D610, D5610 or MC610 H-Bar, the glass will require notching. If the LK610 H-Bar is used, no notching of the glass is required. For replacement Keys order Cat. No. 981KEY.

CAT. NO.	KEYED	FINISH
981	Alike	Chrome

Minimum order: 1 each. All Locks can be combined for quantity pricing.
Requires 5/8" (16 mm) diameter barrel hole and 3/8" (10 mm) ferrule hole.

CRL Track Plunger Lock



- No Need to Drill a Hole in Glass

CRL Track Plunger Locks install easily on sliding glass doors in showcase track assemblies. They can be mounted in the H-Bar or within the surround frame of the glass doors. The spring-activated design permits keyless locking by simply pushing the plunger. Lock comes complete with two brass keys and trim washer. Customers needing duplicate keys can order Cat No. LKEY which is the blank Key for this Lock. If the LK54 Lock is being used with D610, D5610 or MC610 H-Bar, the glass will require notching. If being used with LK610 H-Bar and D602 Lower Track, no glass notching is required.

CAT. NO. RANDOM KEYS	CAT. NO. KEYED ALIKE	FINISH
LK54	LK54KA	Nickel Plated
LK55	LK55KA	Brushed Nickel

Minimum order: 1 each. All Locks can be combined for quantity pricing.
Requires 13/16" (20 mm) diameter barrel hole and 5/16" (8 mm) plunger hole.

CRL Sliding Door Lock



- No Drilling Through H-Bar Cross Web
- 1" (25 mm) Long Plunger Fits All H-Bar Extrusions

This CRL Sliding Door Lock requires a 5/16" (8 mm) diameter hole, making it easy to install without notching the glass. Lock is secured by two screws from the back side of the H-Bar. Available in black and satin chrome finishes, keyed alike or randomly. Blank Keys are available to make duplicate keys. For blank replacement Keys cut on one side order Cat. No. BKEY; for blank replacement Keys cut on two sides order Cat. No. B2KEY.

CAT. NO. RANDOM KEYS	CAT. NO. KEYED ALIKE	FINISH
0911BC	0911BCKA	Black Chrome
0911SC	0911SCKA	Satin Chrome

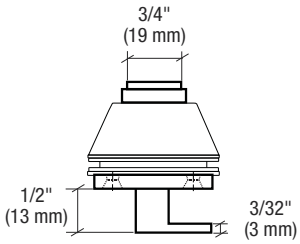
Minimum order: 1 each. All Locks can be combined for quantity pricing.
Requires 5/16" (8 mm) diameter plunger hole.

CRL Sliding Door Lock



- For 1/4" (6 mm) Glass Thick
- 1/2" (12 mm) Long Plunger With "L" Return
- Top Security

This Sliding Door Lock prevents spreading of glass panels to bypass the lock with the unique "L" shaped plunger. Use CRL Cat. No. AG114 to drill a 1-1/4" (32 mm) hole for installation. Includes two Keys.



CAT. NO.	KEYED	FINISH
LK87C	Randomly	Satin Chrome

Minimum order: 1 each. All Showcase Locks can be combined for quantity pricing.
Requires 1-1/4" (32 mm) diameter hole.

CRL End Cap Sliding Door Lock for DV146 H-Bar



- No Need to Drill Glass

This Lock fits into the cut end of the DV146 H-Bar to secure the bypassing panels when also using a Cat. No. 6306 Anti-Lift Clip. No drilling of the glass is required. The Lock comes with two keys. For blank replacement Keys order Cat. No. K2KEY.

CAT. NO. RANDOM KEYS	CAT. NO. KEYED ALIKE	FINISH
0681SC	0681SCKA	Satin Chrome
0681CH	0681CHKA	Chrome

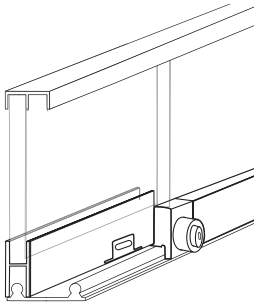
Minimum order: 1 each. All Locks can be combined for quantity pricing.

CRL Anti-Lift Clip for 0681 Lock



CRL's Anti-Lift Clip is designed to prevent track assembly doors from being removed when they are in the locked position. The Anti-Lift Clip is secured to the track assembly with two screws 6X58FHPSMS (not included) and intended to work with CRL's Cat. No. 0681 End Cap Sliding Door Lock and D602 Lower Track Extrusion. Minimum order is one each.

CAT. NO. 6306



CRL LOCKS FOR TRACK ASSEMBLIES

CRL End Cap Sliding Door Lock for S710A Security H-Bar

- No Drilling of Glass Required
- Reversible Handing





Plunger-style Lock fits into cut end of Cat. No. S710A Security H-Bar to secure the bypassing panels. No drilling of the glass is required. Comes with two keys.
NOTE: For use only with Cat. No. S710A Security H-Bar.

CAT. NO. RANDOM KEYS	CAT. NO. KEYED ALIKE	FINISH
TA11	TA11KA	Satin Anodized
LKEY	LKEY	Replacement Blank Key

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

CRL Push Button Cabinet Glass Door Lock

NEW!

- Fits Doors Up to 1/4" (6 mm) Thick
- Doubles as a Knob to Open Doors
- Works With Keeper Below



The plunger can be activated without a key, so it takes only seconds to secure the bypassing doors. The Lock's design also allows it to be used as a knob to open the doors when in the unlocked position, so you don't have to install a separate pull handle. Requires 1" (25 mm) diameter hole.

CAT. NO.	FINISH
LK49	Polished Chrome
LK49SA	Satin Chrome
LK49DU	Dark Bronze

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

CRL Cabinet Glass Door Lock

- Doubles as a Knob to Open Doors
- Fits Doors Up to 1/4" (6 mm) Thick
- Works With Keeper at Right



The plunger can be activated without the key, so it takes only seconds to secure the bypassing doors. The Lock's design also allows it to be used as a knob to open the doors when in the unlocked position, so you don't have to install a separate pull handle. Locks come complete with two keys and washers. Customers needing extra blank Keys can order Cat. No. LKEY. Requires 1" (25 mm) diameter hole.

CAT. NO. RANDOM KEYS	CAT. NO. KEYED ALIKE	FINISH
LK50	LK50KA	Polished Chrome
LK50SA	LK50SAKA	Satin Chrome
LK50DU	LK50DUKA	Dark Bronze

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

CRL Glass Door Lock Keeper

NEW!

- Works With LK49 and LK50 Series Locks
- Doubles as a Knob to Open Doors
- Fits Doors Up to 1/4" (6 mm) Thick



Keeper Side



Pull Side

This CRL Glass Door Lock Keeper gets mounted either on the fixed glass sidelite or one of the glass bypassing doors, to receive the plunger from lock Series LK50 or LK49. The Keeper requires a 1" (25 mm) diameter hole in glass for installation. When unlocked, the Keeper will double as a knob to open bypassing doors.

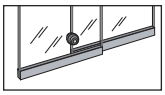
CAT. NO.	FINISH
LK51	Polished Chrome
LK51SA	Satin Chrome
LK51DU	Dark Bronze

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

CRL Keymatic Sliding Glass Door Plunger Lock

- Polished Nickel Finish
- Installs Directly Onto Glass Up to 1/2" (12 mm) Thick





ONLINE INSTALLATION RESOURCES

The CRL Keymatic Sliding Glass Door Plunger Lock is installed directly onto the glass with plunger resting against edge of back sliding door. A 1-1/4" (32 mm) hole must be drilled in the front sliding door to accept the Lock. Will work in doors up to 1/2" (12 mm) thick. A captive operation system allows the key to be removed only in the locked position. Package includes the glass cover plate, rubber rings, plastic insert washer, and four screws. The exclusive Keymatic Cylinder allows combination changes using the Cat. No. KMKM Keymatic Master Combination Key. Minimum order is one each.

CAT. NO. KML41GL

CRL Keymatic Sliding Door Plunger Lock

- Fits Non-glass Doors Up to 1-1/32" (26 mm) Thick



The CRL Keymatic Sliding Door Plunger Lock can be installed to engage either by pushing into a 7/8" (22 mm) drilled hole, or resting against the edge of the back sliding door. This Lock is excellent for any sliding door application other than glass doors, for which we have the Cat. No. KML41GL Sliding Glass Door Plunger Lock (see left). Lock features captive operation so key can only be removed in locked position. Fits non-glass doors up to 1-1/32" (26 mm) thick. The exclusive Keymatic Cylinder allows combination changes using the Cat. No. KMKM Keymatic Master Combination Key.

CAT. NO.	DESCRIPTION	FINISH
KML41	Plunger Lock	Polished Nickel

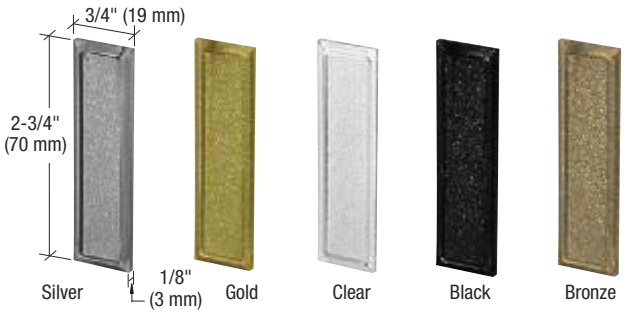
Minimum order: 1 each. All Locks can be combined for quantity pricing.

CRL PULLS FOR TRACK ASSEMBLIES

MORE CHOICES
crlaurence.com/finger-pulls

CRL Stick-On Finger Pulls

- Our Best-Selling Finger Pulls
- Easy to Install, Just Peel and Stick

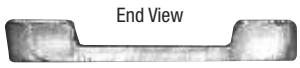


CAT. NO.	CAT. NO. BULK PACK OF 100	FINISH
FP86	FP86BX	Silver
FP87	FP87BX	Gold
FP88	FP88BX	Clear
FP89	FP89BX	Black
FP90	FP90BX	Bronze

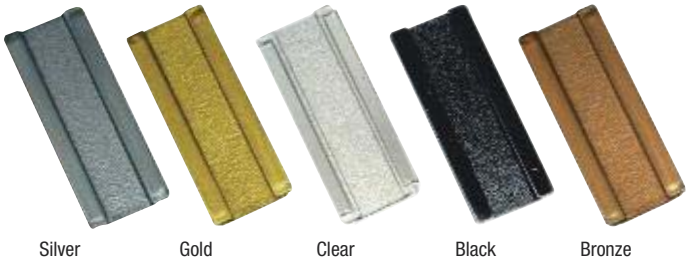
Minimum order: 1 each. Finishes can be combined for quantity pricing. Minimum order for bulk pulls: 1 pack.

CRL Raised Lip Finger Pulls

- Recessed Design for Easy Use
- Stick-On Application



1" (25 mm) wide x 2-1/2" (64 mm) Long x 1/8" (3 mm) Thick

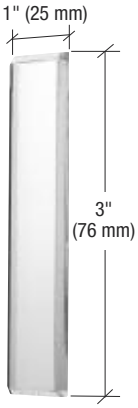


CAT. NO.	FINISH
FP46	Silver
FP47	Gold
FP48	Clear
FP49	Black
FP50	Bronze

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

CRL Acrylic Mirror Stick-On Finger Pull

- Ideal for Sliding Wardrobe or Mirror Cabinet Doors
- Stick-On Application
- Blends With Mirror Doors



CAT. NO. MFPC8
Minimum order: 1 each.

CRL Threaded Finger Pull

- Easy to Install in Glass From 1/4" to 5/16" (6 to 8 mm) Thick
- Requires a 7/8" (22 mm) Diameter Hole
- Anochrome Finish



CAT. NO. KV836
Minimum order: 1 each.

CRL End Cap Finger Pull for DV146 H-Bar

- Easy to Install - No Drilling Required

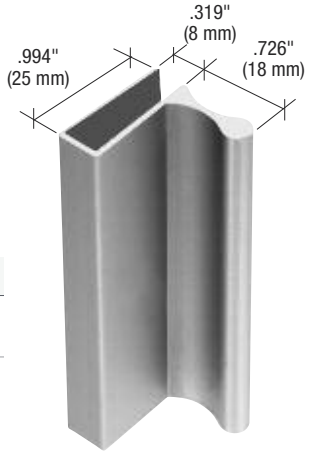


CAT. NO.	FINISH
8575SCH	Satin Chrome
8575CH	Chrome

Minimum order: 1 each. Finishes can be combined for quantity pricing. Works only with our DV146 H-Bar (see page T442-T443)

CRL Extruded Aluminum Pull

- Easy to Install 12' (3.66 m) Length You Cut to Required Size
- For 1/4" (6 mm) Thick Doors
- Press Fit Using Tuff-Pak Tape

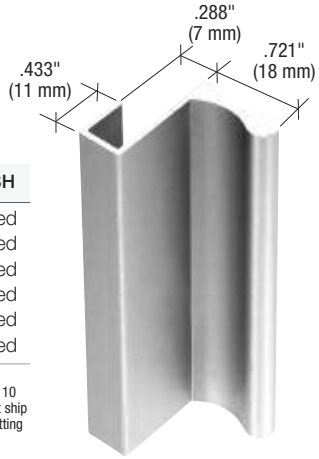


CAT. NO.	LENGTH	FINISH
D639A	12' (3.66 m)	Satin Anodized
D639DU	12' (3.66 m)	Bronze Anodized

Minimum order: 1 each. All finishes and shapes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than 10 combined lengths. Stock lengths longer than 98" (2.49 m) must ship common carrier, unless you specify we cut them for U.P.S. A Cutting Charge will apply.

CRL Extruded Aluminum Pull

- Available Cut to Size or in Full 12' (3.66 m) Lengths
- For 1/4" (6 mm) Thick Doors
- Press Fit Using Tuff-Pak Tape



CAT. NO.	LENGTH	FINISH
D643A	3" (76 mm)	Satin Anodized
D643DU	3" (76 mm)	Bronze Anodized
D646A	6" (152 mm)	Satin Anodized
D646DU	6" (152 mm)	Bronze Anodized
D640A	12' (3.66 m)	Satin Anodized
D640DU	12' (3.66 m)	Bronze Anodized

Minimum order: 1 each. Finishes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than 10 combined lengths. Stock lengths longer than 98" (2.49 m) must ship common carrier, unless you specify we cut them for U.P.S. A Cutting Charge will apply.







BULLET RESISTANT WINDOWS AND DOORS

2 PAGES
T457 - T496

Barrier Systems

Bullet Resistant Doors and Frames NEW!

Bullet Resistant Fiberglass Panels

Clamp-On Aluminum Framed Windows

Exchange Window Options

Exchange Windows - Package or Rotary Server

Narrow Inset Aluminum Framed Windows

Night Service Window

Protective Barrier Clamps

Sliding Windows-Exterior

Sliding Windows-Interior

Standard Inset Aluminum Framed Windows

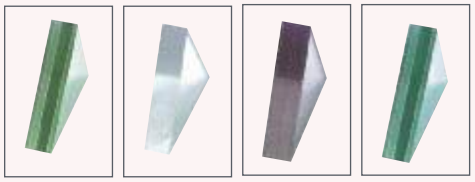
Standard Inset Stainless Steel Framed Windows

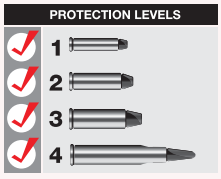
Transparent Barrier System

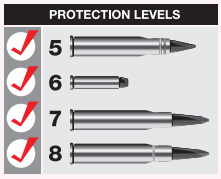
Two-Piece Snap Together Sash and U-Channel

Vision Windows for Doors

GLAZING OPTIONS NEW!







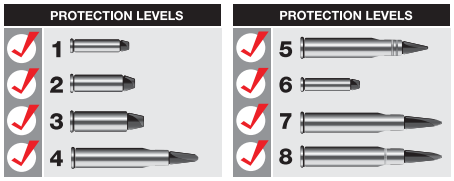
CRL US ALUMINUM
crlaurence.com • usalum.com

These products and more can be found in this catalog section. On the bottom of each page are direct search instructions for viewing them on our web site. You can also enter the catalog number into the search box for a direct link to the product and others in that category. To view other products, click on the link to our Catalog Library found on the web site home page.

CRL Bullet Resistant Protection Level Ratings

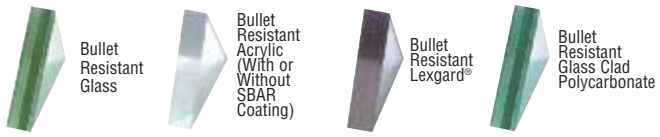
PAGES T460-T461

- Complete Chart Shows Protection Ratings From Level 1 to Level 8 Along With Pertinent Ballistic Data
- Variety of Bullet Resistant Glazing Options Shown With Varied Features and Benefits for Each



Protection Levels assigned to various products in our catalog listed as "Bullet Resistant" are based on testing recognized by the standards established by Underwriters Laboratories (U.L. 752) for bullet resistant components. While requirements of Level 1, 2, and 3 are more common, CRL also offers products with higher levels of protection if required. In addition, our offering of various Bullet Resistant Glazing options allows the user to choose features that best apply to their individual application.

BULLET RESISTANT GLAZING MATERIALS



CRL Popular Exchange Window Options

PAGES T462-T463

- A Selection of Accessories Allows the User to Specify Custom Windows Complete With Options Needed to Protect and Facilitate Transactions
- Various Frames, Counters, Speak-Thrus, and Other Voice Transmission Systems for Both Interior and Exterior Installations



Bullet Resistant Exchange Windows are available with a variety of options, which allows us to custom build the complete window of your choice. A choice of frame types, counter options, speak-thrus, and natural voice transmission systems makes it easier for you to fill all your job site requirements, whether it be interior or exterior.

CRL Bullet Resistant Stainless Steel Frame Windows

PAGES T464-T467, T484

- Durable Type 304, 11 Gauge Stainless Steel Frames for Interior and Exterior Applications
- Multi-Lite, Dropdown, Return and Other Common Configurations for Arenas, Stadiums, Movie Theaters, and Many More



Our Stainless Steel Frame Transaction Windows provide durability, and lend themselves to many different configurations. Single Ticket Windows, up to Multiple Station Teller Windows, along with several glazing choices, speak-thrus, and shelf options, means that most any large venue installation can be accomplished easily. Whether your next job calling for durable transaction windows is interior or exterior, choose our Stainless Steel Frame Transaction Windows.

CRL Bullet Resistant Aluminum Frame Windows

PAGES T468-T481, T484

- Choice of Multiple Frame Styles and Various Configurations
- Both Off-The-Shelf and Custom Models Offered
- Numerous Glazing Choices, Speak-Thrus, and Shelf Options





Our Bullet Resistant Aluminum Frame Windows provide the opportunity for numerous configurations, along with the choice of multiple options to complete your installation. Off-The-Shelf Windows are available when a quick deadline must be met, and as always CRL can customize a window to meet your particular requirements. Satin and bronze anodized, custom anodized, and painted colors are available to match most any décor.

Lexgard is a registered trademark of G.A.A.G. LLC

CRL Bullet Resistant Sliding Windows

PAGES T482-T483

- Open The Window for "Business As Usual" During the Day, Close and Lock for Security in the Evening
- Contains an Easy Rolling Overhead Ball Bearing Carrier and Self-Latching Handle
- Four Configurations Offered of Sliding and Fixed Panels
- Each Window Custom Fabricated to Fit the Opening

When business traffic is very active and it makes good sense to leave a sliding window open during the day for constant business, yet you want to lock it at night for security, CRL's Bullet Resistant Sliding Window is the ideal choice. Available in Level 1 or Level 3 Bullet Resistant Ratings, each window is custom fabricated to fit the opening. A host of options such as counters, deal trays, speak-thrus, and more, make business transactions easy while obtaining the security desired.



CRL Barrier Systems

PAGES T486-T491

- Custom Barrier Systems or Component Stock Parts for Protection of Banks, Casino Cages, Convenience Stores, Government Facilities, and More
- Stock Bullet Resistant Fiberglass Panels Available Up to Level 3 Protection
- Numerous Barrier Clamps to Handle Most Any Configuration

CRL Bullet Resistant Barrier Systems, Barrier Clamps, and Bullet Resistant Fiberglass Panels can be used to provide deterrence to crime and add security. Many different designs can be created utilizing these high quality systems and parts. Typical applications include banks, casino cages, check cashing establishments, convenience stores, government offices, motels, pharmacies, and police stations. Our in-house diamond edger can finish Acrylic or Lexgard panels to provide flat edges and a beautiful water clear finish.



CRL Bullet Resistant Doors and Frames

PAGES T492-T493

NEW!

- Bullet Resistant Doors and Frames for Interior or Exterior Use
- Available Framed, Full Vision, and With or Without Vision Lites
- Custom Sizes, Multiple Protection Levels, and Options Such as Speak-Thrus Can Be Added

CRL offers a line of Bullet Resistant Doors and Frames for multiple levels of protection rating. Our variety of doors allow the installer to conform to the needs of their customers, and their varying degrees of security desired. Levels 1 and 3 are standard and will suffice for most protection needs, while higher protection levels are available upon request.



CRL Vision Windows and Vision Lites

PAGE T494

- Provide a Secure Means of Viewing People Before Allowing Access
- Vision Window Frames Come With Choice of Bullet Resistant Glazing up to 2-1/4" (57 mm) Maximum Thickness
- Non-Bullet Resistant Door Vision Lites Also Offered With or Without Wire Glass

CRL Vision Window Frames for Bullet Resistant Doors, and Non-Bullet Resistant Door Vision Lites provide the user with a choice of viewing their surroundings and determining the level of protection needed. When ordering the Vision Window Frame, simply specify size, door thickness, and glazing choice. The Vision Window Frame comes in an attractive and durable #4 Brushed Stainless Steel finish. As an alternate choice, Non-Bullet Resistant Door Vision Lites are constructed from 20 gauge CRS bronze powder coated frames, and are designed for 1-3/4" (44 mm) thick doors.



Custom Bullet Resistant Windows by CRL Manufacturing

CRL-Fabricated Bullet Resistant Windows are installed in venues throughout North America. Their reputation for being well designed, easy to install, and durable make them the choice of architects who insist upon a level of quality they can recommend with complete assurance. CRL Transaction Technical Sales works with our clients to provide them with windows that will perform with a high level of security when it's needed the most. Tellers, clerks and others who man these workstations are less vulnerable when protected by a window designed to provide for their safety. That's what our Bullet Resistant Windows are all about. The following pages will provide you many design options and available accessories you need to order a CRL-Fabricated Window for your next project

Venues Where CRL Windows Are In Use:

- Sports Stadiums/Arenas/Race Tracks
- Theaters/Museums/Amusement Parks
- Hospitals/Clinics/Pharmacies
- Service Stations/Convenience Stores
- Check Cashing Stores/Banks
- Courthouses/Police Stations
- Universities/Colleges

CRL US ALUMINUM MANUFACTURED IN THE USA







CRL BULLET RESISTANT GALLERY









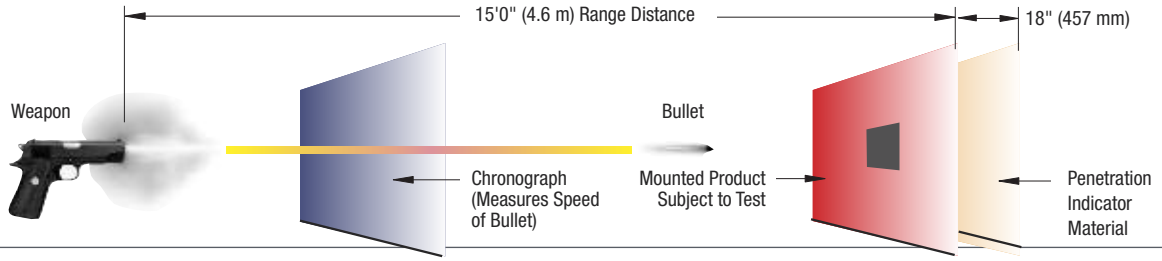


Bullet Resistant Protection Level Ratings

U.L. 752 BULLET RESISTANT PRODUCT TESTING



N777 Bullet Resistant Speak-Thru After Test Firing



Ratings of Bullet-Resistant Materials

PROTECTION LEVEL RATING	U.L. 752 BALLISTICS DESCRIPTION/AMMUNITION	WEIGHT (GRAIN)	WEIGHT (GRAMS)	MINIMUM VELOCITY (FPS)	MINIMUM VELOCITY (MPS)	NO. OF SHOTS
Level 1 M.P.S.A.	Medium Power Small Arms (9 mm)  Full Metal Copper Jacket With Lead Core	124	8.0	1175	358	3
Level 2 H.P.S.A.	High Power Small Arms (.357 Magnum)  Jacketed Lead Soft Point	158	10.2	1250	381	3
Level 3 S.P.S.A.	Super Power Small Arms (.44 Magnum)  Lead Semi-Wadcutter Gas Checked	240	15.6	1350	411	3
Level 4 H.P.R.	High Power Rifle (.30 Caliber)  Lead Core Soft Point	180	11.7	2540	774	1
Level 5	(7.62 mm Rifle)  Lead Core Full Metal Copper Jacket Military Ball	150	9.7	2750	838	1
Level 6	(9 mm Uzi)  Full Metal Copper Jacket With Lead Core	124	8.0	1400	427	5
Level 7	(5.56 mm M-16)  Full Metal Copper Jacket With Lead Core	55	3.56	3080	939	5
Level 8	(7.62 mm M-14)  Lead Core Full Metal Copper Jacket Military Ball	150	9.7	2750	838	5

NOTE: Maximum velocity is 110 percent of the minimum velocity.

Bullet Resistant Fiberglass Panels



LEVEL 1
M.P.S.A
CAT. NO. BRF100



LEVEL 2
H.P.S.A
CAT. NO. BRF200



LEVEL 3
S.P.S.A
CAT. NO. BRF300

See Page T491 for more information on Bullet Resistant Fiberglass Panels



Look for This Icon on the Following Pages to Identify Product's Protection Level

IMPORTANT NOTE!

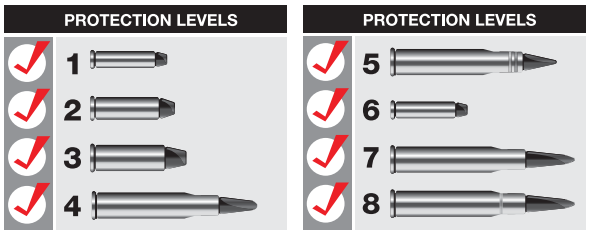
Regarding U.L. 752 Protection Levels Assessment

Protection Levels assigned to various products listed as "Bullet Resistant" are based on testing recognized under the standards established by Underwriters' Laboratories (U.L. 752) for bullet resisting components. Protection Levels listed for options available for Exchange Windows pertain only to the option itself. A Level 1 option used with a Level 3 option will yield an overall Protection Level for the lowest rated option or component.

CRL Bullet Resistant Glazing Materials

(Other Materials Also Available Upon Request)

- Large Variety for Many Applications
- Includes Glass, Acrylic, Polycarbonate, and Glass Clad Polycarbonate
- Protection Levels 1-8 • Fabricated to Your Size Requirements



Characteristics of Bullet Resistant Glazing Products:

BULLET RESISTANT GLASS (PROTECTION LEVELS 1-4)

- Laminated
- Scratch Resistant (Two Exposed Glass Surfaces)
- Heavy, Thick With a Noticeable Greenish Tint

Bullet Resistant Glass



CAT. NO.	PROTECTION LEVEL RATING	NOMINAL THICKNESS	WEIGHT (LBS/SQ FT)	MAXIMUM SIZE (NOT TO EXCEED 600 LBS/272 KG)
BRGLASS1	1	1-3/16" (30 mm)	15 (6.8 kg)	60" x 82" (1524 x 2083 mm)
BRGLASS2	2	1-1/2" (38 mm)	19 (8.6 kg)	60" x 82" (1524 x 2083 mm)
BRGLASS3	IIIa*	1-11/16" (43 mm)	21 (9.5 kg)	60" x 82" (1524 x 2083 mm)
BRGLASS4	4	2-1/4" (57 mm)	31.5 (14.3 kg)	60" x 82" (1524 x 2083 mm)

Specify size when ordering. *N.I.J. Level IIIa Tested (Exceeds UL752 Level 3).

BULLET RESISTANT ACRYLIC (PROTECTION LEVELS 1-2)

- Lightweight and Clearest of All Bullet Resistant Glazing
- Available With or Without SBAR Coating
- Susceptible to Scratching Without SBAR Coating

Bullet Resistant Acrylic
(With or Without SBAR Coating)



CAT. NO.	PROTECTION LEVEL RATING	NOMINAL THICKNESS	WEIGHT (LBS/SQ FT)	MAXIMUM SIZE
ACRYL1C1*	1	1-1/4" (32 mm)	7.7 (3.5 kg)	72" x 96" (1829 x 2438 mm)
ACRYL1C2	2	1-3/8" (35 mm)	8.8 (4 kg)	72" x 96" (1829 x 2438 mm)

*Specify size and with or without SBAR Coating when ordering.

BULLET RESISTANT POLYCARBONATE (PROTECTION LEVELS 1-3)

- Laminated • Clear • Two Plastic Surfaces
- Easily Scratched if Not Properly Maintained
- Lightest in Weight

Bullet Resistant Lexgard®



CAT. NO.	PROTECTION LEVEL RATING	NOMINAL THICKNESS	WEIGHT (LBS/SQ FT)	MAXIMUM SIZE
LEXGARD1	1	3/4" (19 mm)	5.1 (2.3 kg)	72" x 96" (1829 x 2438 mm)
LEXGARD2	2	1" (25 mm)	6.5 (2.9 kg)	72" x 96" (1829 x 2438 mm)
LEXGARD3	3	1-1/4" (32 mm)	8.1 (3.7 kg)	72" x 96" (1829 x 2438 mm)

Specify size when ordering.

BULLET RESISTANT GLASS CLAD POLYCARBONATE (PROTECTION LEVELS 1-8)

- Laminated With One Polycarbonate (Plastic) Surface
- Thinner and Without the Greenish Tint of Traditional Bullet Resistant Glass
- Lighter Than Bullet Resistant Glass

Bullet Resistant
Glass Clad Polycarbonate



CAT. NO.	PROTECTION LEVEL RATING	NOMINAL THICKNESS	WEIGHT (LBS/SQ FT)	MAXIMUM SIZE (NOT TO EXCEED 600 LBS/272 KG)
GCP0LY1	1	3/4" (19 mm)	6.1 (2.8 kg)	60" x 82" (1524 x 2083 mm)
GCP0LY3A	IIIa*	1-3/16" (30 mm)	13 (5.9 kg)	60" x 82" (1524 x 2083 mm)
GCP0LY4	4	1-3/16" (30 mm)	14.8 (6.7 kg)	60" x 82" (1524 x 2083 mm)
GCP0LY5	5	1-7/16" (37 mm)	14 (6.4 kg)	60" x 82" (1524 x 2083 mm)
GCP0LY7	7	1-7/16" (37 mm)	16.55 (7.5 kg)	60" x 82" (1524 x 2083 mm)
GCP0LY8	8	2" (51 mm)	23 (10.4 kg)	60" x 82" (1524 x 2083 mm)

Specify size when ordering. *N.I.J. Level IIIa Tested (Exceeds UL752 Level 3).

Lexgard is a registered trademark of G.A.A.G. LLC

CRL Exchange Window Options

Bullet Resistant Exchange Windows are available with a variety of options that allow us to build the window of your choice in as little as ten working days. You choose from a variety of options and provide the wall opening size into which the window will be installed. It's that simple! We do the rest. Please review opposite page for an overview of the component options available to build the right Exchange Window to meet just about any need. 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. 7760. You can also e-mail us at **transaction@crlaurence.com**.

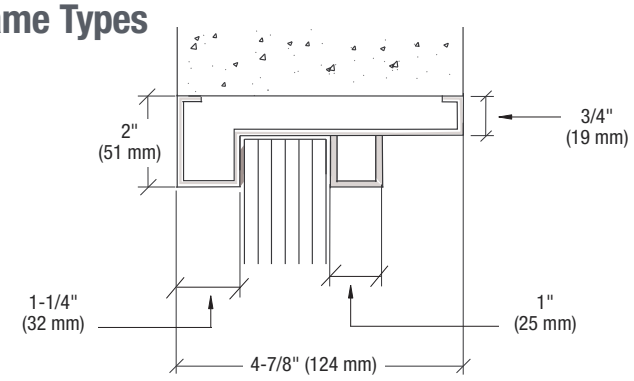
Inset Style Frames are installed inside the wall's rough opening, and may require some finished work to the wall after the window installation is complete. Clamp-On Style Frames are made larger than the wall's rough opening, and have exterior and interior frame members that fasten or "Clamp-On" to one another, sandwiching the wall in between. Wall thickness for the Clamp-On Style Frames must be 5" to 8-1/2" (127 to 216 mm).



- Numerous Frame, Finish, Shelf, Glazing, and Speak-Thru Options for Exterior and Interior Applications
- Drawings and Specifications are Available Online at **crlaurence.com**

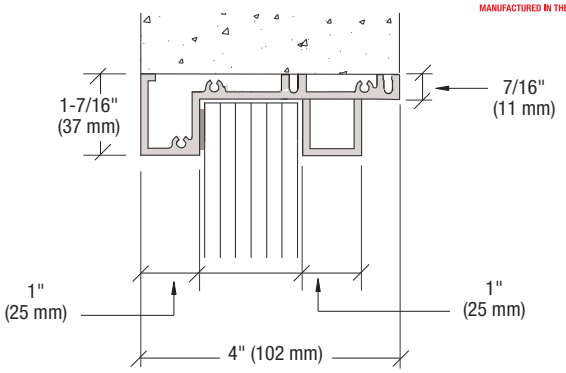
CRL US ALUMINUM MANUFACTURED IN THE USA

Frame Types



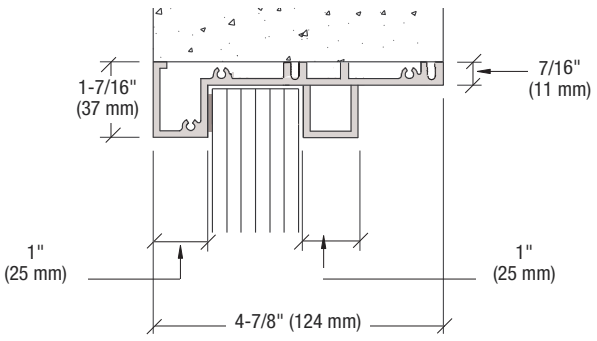
Standard Inset Stainless

4-7/8" (124 mm) Minimum Wall Thickness
Custom Windows See Pages T464-T467
Mullion Detail See Page T465



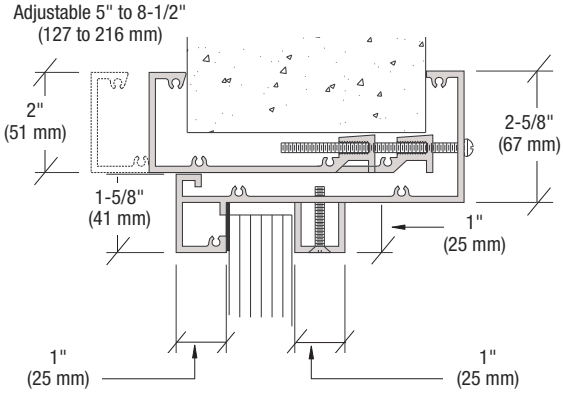
Narrow Inset Aluminum

4" (102 mm) Minimum Wall Thickness
Custom Windows See Pages T468-T471
Mullion Detail See Page T469



Standard Inset Aluminum

4-7/8" (124 mm) Minimum Wall Thickness
Stock Windows See Page T476
Custom Windows See Pages T472-T475
Mullion Detail See Page T473



Clamp-On Aluminum

5" to 8-1/2" (127 to 216 mm) Wall Thickness
Stock Windows See Page T481
Custom Windows See Pages T477-T480
Mullion Detail See Page T478

Frame Finishes

Aluminum Exchange Window Frames are constructed using .125" (3 mm) thick extruded aluminum alloy in your choice of satin anodized, bronze anodized finishes, custom anodized, powder paint colors or custom KYNAR® paint colors. Stainless Steel Window Frames are constructed using 11 gauge stainless steel with a #4 Finish.

KYNAR is a registered trademark of Arkema, Inc.

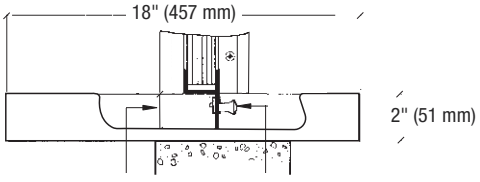
CRL Exchange Window Options

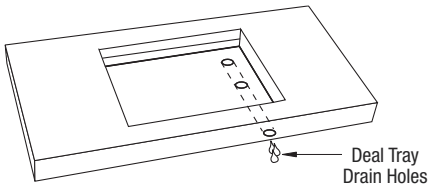
Counter Options See page T513

Stainless Steel Shelves can be added to exterior or interior Exchange Windows to serve as a counter surface.









Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, You can also e-mail us at **transaction@crlaurence.com**.



Custom Hinged Panel Pass-Thru Available on Units Glazed With Acrylic/Lexgard® Only

Speak-Thru Options

Voice transmission for Exchange Windows is achieved via a number of Speak-Thru devices. You can select any of these devices for Clamp-on, Standard Inset, and Narrow Inset Frame Windows.

Non-Bullet Resistant See pages T506-T507



405 Covered



834 No-Draft



SST5 Stainless Steel



SST7 Stainless Steel

Bullet Resistant See pages T504-T505



N666 Series Round Model



CAD101/CLD103 Series Clear Vision

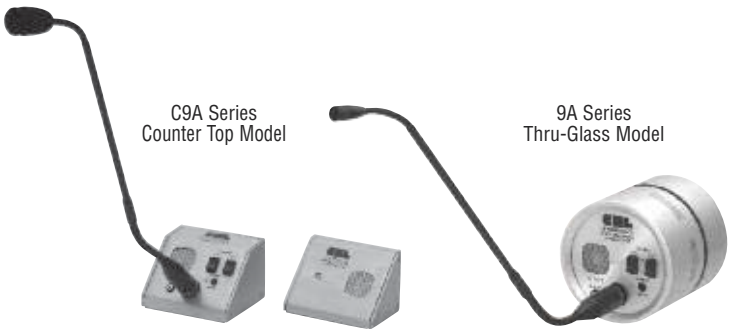


CAR121/CLR123 Series Radius Top Clear Vision



N555/N777 Series Square Models

Electronic See pages T499-T503



Surround Sound Voice Transmission System

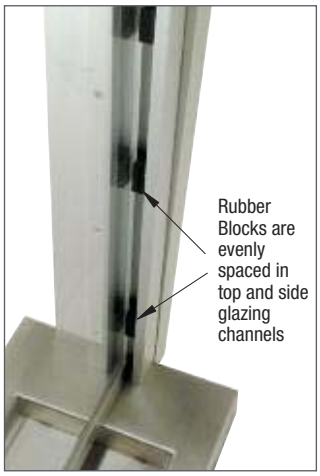
HOW IT WORKS:

The Surround Sound Voice Transmission System is a simple principle that allows natural voice exchange between customer and clerk. Instead of relying on a Speak-Thru device or electronic amplification unit to achieve voice transmission, a framed unit is glazed with rubber blocks spaced evenly around the glazing channel. The open spaces between the blocks allow for natural voice transmission and an unobstructed field of vision.

Surround Sound is not recommended for exterior installations because it is not weathertight. When using Surround Sound, CRL recommends the following guidelines:
Single lite window = 36" (914 mm) maximum width.
Multi-lite window = 36" (914 mm) maximum width per lite.



Typical Clamp-On Frame Exchange Window With Surround Sound Option



Close-up of Surround Sound Frame Option

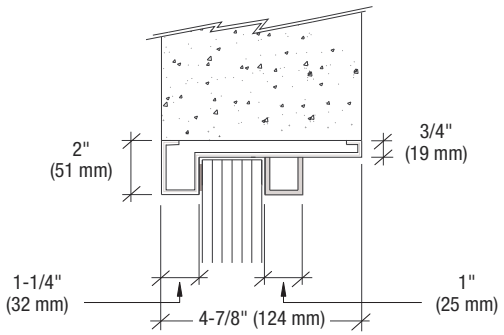
CRL Standard Inset Frame Windows - Stainless Steel

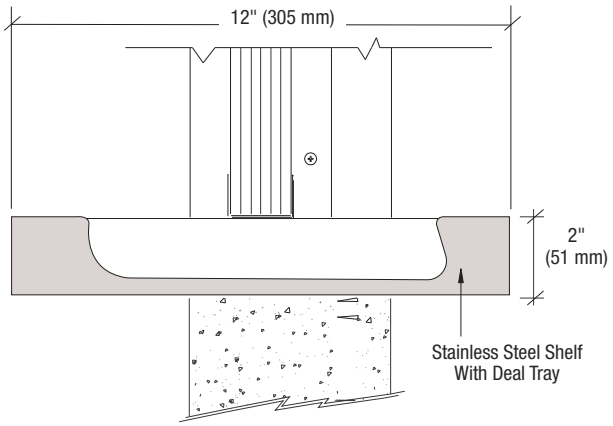
1. 4-7/8" (124 mm) Stainless Steel Inset Frame
2. Your Choice of Glazing From 1/4" (6 mm) Non-Bullet Resistant Glass to 1-11/16" (43 mm) Level 3 Bullet Resistant Glass
   (See Page T461 for Glass Details)
3. N666 Speak-Thru Option Shown
   (See Page T504 for Speak-Thru Details)
4. Stainless Steel Shelf and Deal Tray Option Shown
   (See Page T513 for Shelf Details)

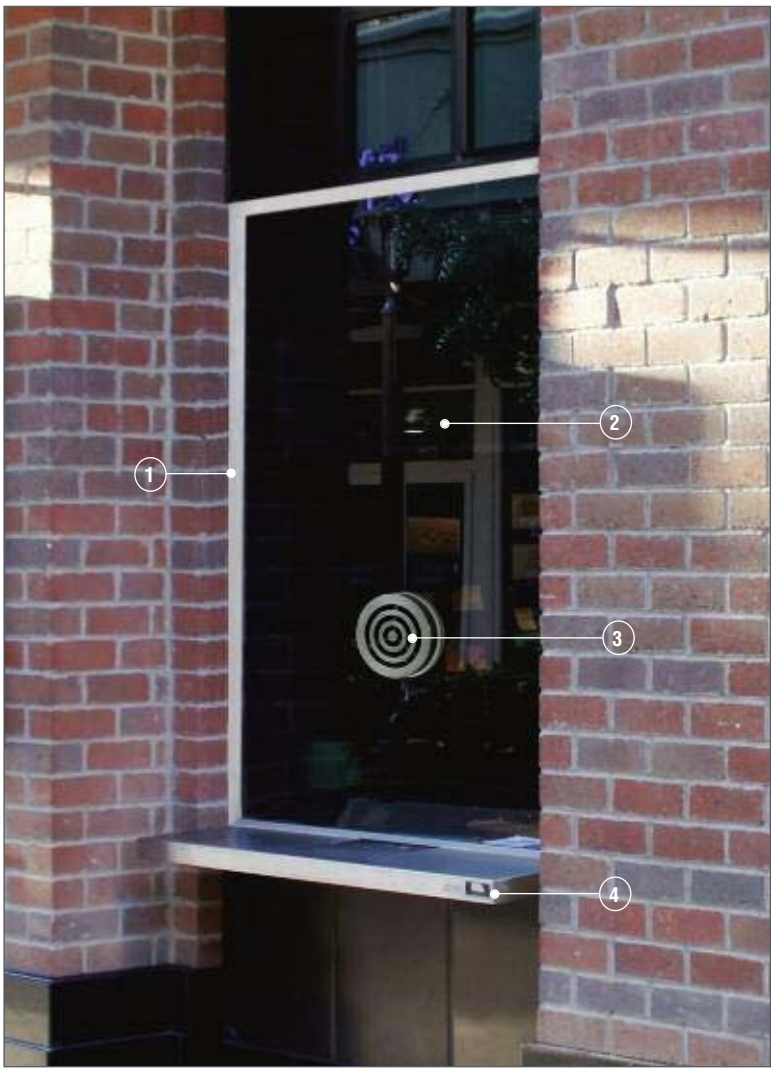
- Drawings and Specifications are Available Online at **crlaurence.com**



Higher protection levels available on request







Standard Inset Windows are available in many different configurations; from single ticket windows to complex multiple station teller windows with dropdowns, returns, and more. Different glazing, speak-thrus, and shelf options are available to meet various applications.

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. Your can also e-mail us at **transaction@crlaurence.com**.

SPECIFICATIONS:

Frame Description: Standard Inset Stainless Steel Frame
Frame Construction: Inset Type for Walls with a 4-7/8" (124 mm) Minimum Thickness
Frame Material: Type 304, 11 Gauge Stainless Steel #4 Finish

CRL Standard Inset Frame Windows - Stainless Steel

Multi-Lites, Dropdowns, Returns, and More

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

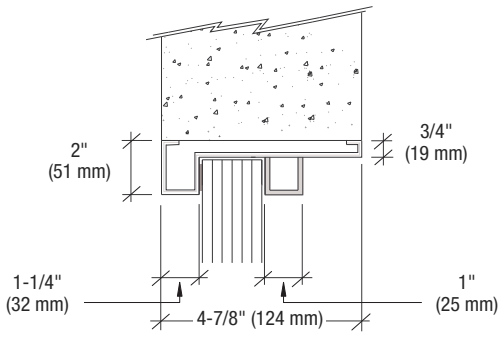
- Standard Inset Multi-Lite Frame With Shelf and Deal Tray Designed for Multiple Window Units for Arenas, Stadiums, Payment Offices, Theaters, Etc.

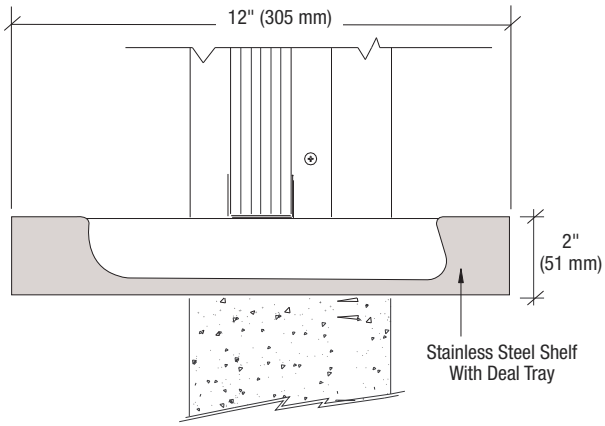
Multi-Lite Standard Inset Frame Windows are commonly used for installations with multiple workstations, such as those found in walk-up ticket offices in arenas, stadiums, movie theaters, and museums. Window options include speak-thrus, deal trays, shelves, dropdowns, returns, and more. Standard Inset Frame is designed for installation into walls at least 4-7/8" (124 mm) thick.

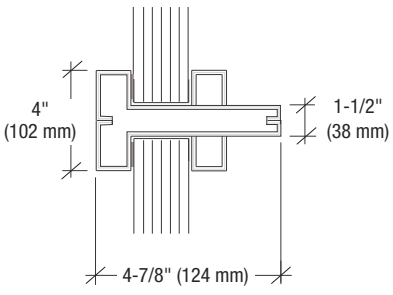
For additional information contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can also e-mail us at **transaction@crlaurence.com**.







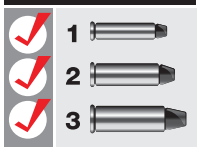




Mullion Detail

INTERIOR EXTERIOR

PROTECTION LEVELS



Higher protection levels available on request

MULTI-LITE STANDARD INSET STAINLESS STEEL FRAME WINDOW

CAT. NO.	FINISH	OVERALL SIZE (W X H)
S1SWS	Brushed Stainless Steel	Customer to Specify

Minimum order: 1 each.

SPECIFICATIONS:

Materials: Frame - Type 304, 11 Gauge Stainless Steel; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.

Finishes: Frame - Brushed Stainless Steel #4 Finish; Shelf - Brushed Stainless Steel #4 Finish

Deal Tray: Level 1 or Level 3 Protection

Lexgard is a registered trademark of G.A.A.G. LLC.

CRL Standard Inset Frame Windows - Stainless Steel

ONLINE INSTALLATION RESOURCES

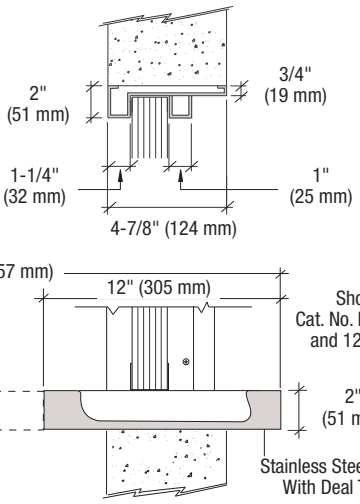
ONLINE ARCHITECTURAL RESOURCES

Exterior Glazed Exchange Window

- Standard Inset Frame With Stainless Steel Shelf and Built-In Non-Ricochet Bullet Resistant Deal Tray

CRL US ALUMINUM MANUFACTURED IN THE USA

Exterior Glazed Standard Inset Frame Windows have a Stainless Steel Shelf with Bullet Resistant Deal Tray for passing currency, credit cards, tickets, and small articles. The stainless steel frame is designed for installation into walls at least 4-7/8" (124 mm) thick. The shelf is typically made in depths of 12" (305 mm) or 18" (457 mm). The added depth of the 18" (457 mm) shelf provides a convenient writing surface on the customer's side. The installer mounts the frame and shelf, then permanently seals the glazing material with the provided glazing tape. **NOTE:** An overhang is recommended for exterior applications. Customer specifies overall width and height when ordering.





INTERIOR
EXTERIOR

CAT. NO.	SHELF SIZE	FINISH
S1EW12S	12" (305 mm)	Brushed Stainless Steel
S1EW18S	18" (457 mm)	Brushed Stainless Steel

Minimum order: 1 each.

SPECIFICATIONS:

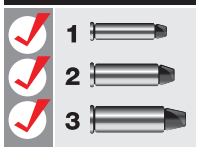
Materials: Frame - Type 304, 11 Gauge Stainless Steel; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.

Finishes: Frame - Brushed Stainless Steel #4 Finish; Shelf - Brushed Stainless Steel #4 Finish

Deal Tray: Level 1 or Level 3 Protection.

Weather Flap/Drain Hole Options Available. See page T463.

PROTECTION LEVELS



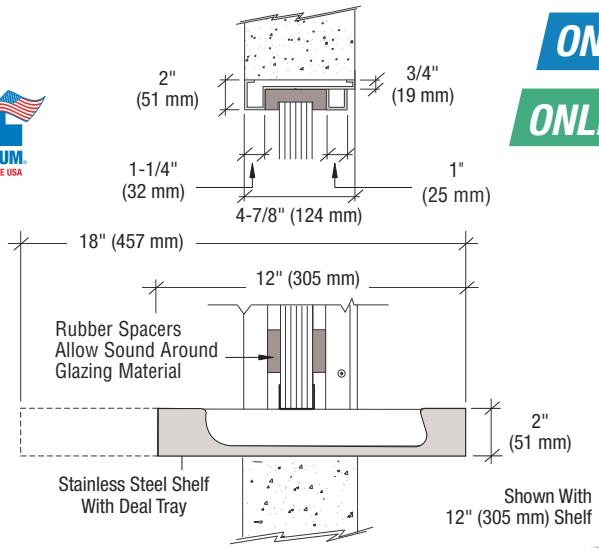
Higher protection levels available on request

Interior Glazed Exchange Window

- Standard Inset Frame Incorporates Surround Sound and Built-In Non-Ricochet Bullet Resistant Deal Tray

CRL US ALUMINUM MANUFACTURED IN THE USA

Interior Glazed Standard Inset Frame Windows with Surround Sound Voice Transmission System, plus Stainless Steel Shelf with Non-Ricochet Bullet Resistant Deal Tray. The stainless steel frame is intended for installation into walls at least 4-7/8" (124 mm) thick. Typical shelf depths are 12" (305 mm) and 18" (457 mm). The 18" (457 mm) shelf gives customer a convenient writing surface. Securing the frame to the wall requires the removal and installation of the glazing material and spacer blocks. Customer specifies overall width and height when ordering.





INTERIOR USE

CAT. NO.	SHELF SIZE	FINISH
S11W12S	12" (305 mm)	Brushed Stainless Steel
S11W18S	18" (457 mm)	Brushed Stainless Steel

Minimum order: 1 each.

Lexgard is a registered trademark of G.A.A.G. LLC.

SPECIFICATIONS:

Materials: Frame - Type 304, 11 Gauge Stainless Steel; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.

Finishes: Frame - Brushed Stainless Steel #4 Finish; Shelf - Brushed Stainless Steel #4 Finish

Deal Tray: Level 1 or Level 3 Protection.

Weather Flap/Drain Hole Options Available. See page T463.

PROTECTION LEVELS



Higher protection levels available on request

CRL Standard Inset Frame Windows - Stainless Steel

Exterior Glazed Exchange Window

- Standard Inset Frame Vision Window Typically Used Above Built-In Exchange Drawers in Walk-Up Installations

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

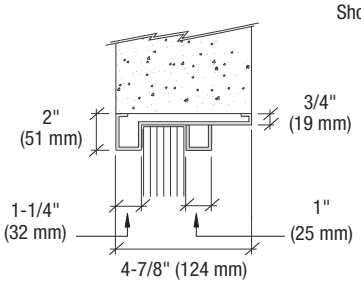
CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

Standard Inset Frame Vision Windows are designed for installation in wall openings having a thickness of at least 4-7/8" (124 mm). The frame has a uniform design on all four sides, and the selected glazing material will be sealed into the frame for a weather tight installation. Vision Windows are commonly used as sidelites in Multi-Lite Exchange Window units. Also for installation above built-in Transaction Drawers or Package Receivers. Installer affixes frame to wall opening then permanently seals glazing material into frame with included glazing tape. Can be ordered with U-Channel only under the glazing to enable easy access to Drop-In Deal Trays.

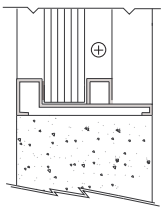
CAT. NO.	FINISH	OVERALL SIZE (W X H)
S1VES	Brushed Stainless Steel	Customer to Specify

Minimum order: 1 each.

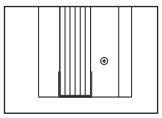


Shown With Optional Cat. No. N666 Speak-Thru



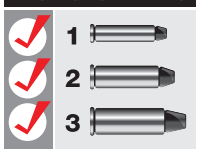


Full Frame Option



Bottom U-Channel Option (to install over separate drop-in tray)

PROTECTION LEVELS



Higher protection levels available on request

SPECIFICATIONS:

Materials: Frame - Type 304, 11 Gauge Stainless Steel; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.

Finishes: Frame - Brushed Stainless Steel #4 Finish

Interior Glazed Exchange Window

- Standard Inset Frame Vision Window With Surround Sound System to Allow Natural Voice Transmission

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

CRL US ALUMINUM MANUFACTURED IN THE USA

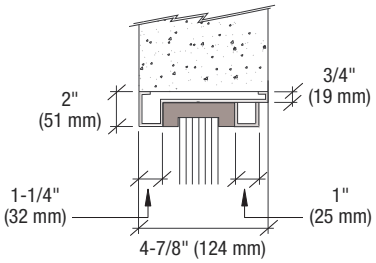
INTERIOR USE

Standard Inset Frame Vision Windows with Surround Sound allow natural voice transmission without an installed speak-thru device. Vision Windows are typically installed above built-in Exchange Drawers, or as sidelites in Multi-Lite Exchange Window units. Frame is designed for walls at least 4-7/8" (124 mm) thick. They are not weather tight, and are recommended for installation only in interior applications. The frame is uniform on four sides. Securing the frame to the wall requires the removal and installation of the glazing material and spacer blocks. Can be ordered with U-Channel only under the glazing to enable access to Drop-In Deal Trays.

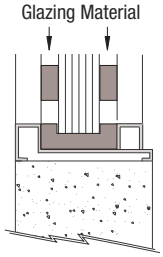
CAT. NO.	FINISH	OVERALL SIZE (W X H)
S1V1S	Brushed Stainless Steel	Customer to Specify

Minimum order: 1 each.

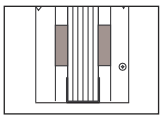
Lexgard is a registered trademark of G.A.A.G. LLC.



Rubber Spacers Allow Sound Around Glazing Material



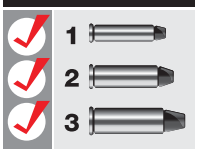
Full Frame Option



Bottom U-Channel Option (to install over separate drop-in tray)



PROTECTION LEVELS



Higher protection levels available on request

SPECIFICATIONS:

Materials: Frame - Type 304, 11 Gauge Stainless Steel; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.

Finishes: Frame - Brushed Stainless Steel #4 Finish

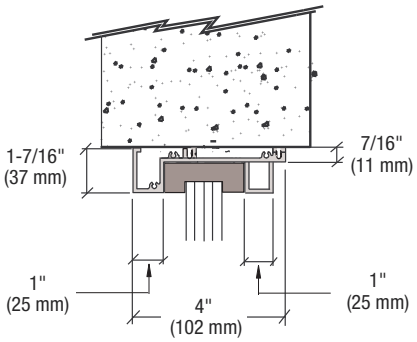
CRL Narrow Inset Frame Windows - Aluminum

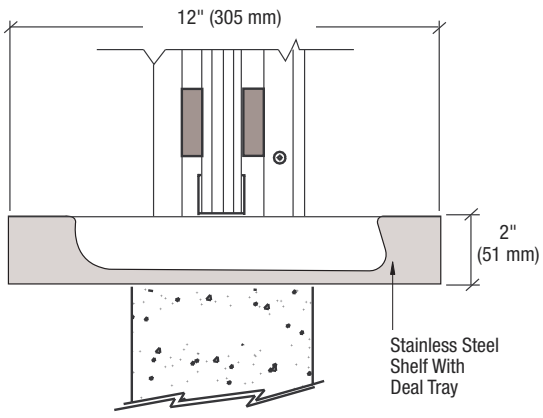
CRL US ALUMINUM MANUFACTURED IN THE USA

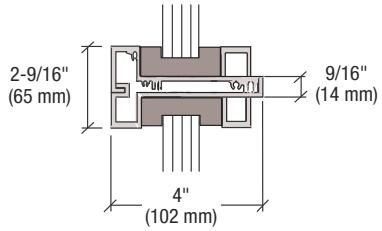
1. 4" (102 mm) Narrow Inset Frame
2. Your Choice of Glazing from 1/4" (6 mm) Non-Bullet Resistant Glass to 1-11/16" (43 mm) Level 3 Bullet Resistant Glass (See Page T461 for Glass Details)
3. Surround Sound (3 Lites) (See Page T463 for Communication Options)
4. CPR-Clear Package Receiver, 1-1/4" (32 mm) Bullet Resistant Acrylic Level 1 (See Page T519 for Shelf Accessories)

- Drawings and Specifications are Available Online at **crlaurence.com**
- Stock, Custom Painted, and Custom Anodized Finishes Available









Mullion Detail

Narrow Inset Windows are available in many different configurations; multiple station transaction windows as shown in the photograph, single ticket windows, dropdowns, returns, and more. Different glazing, speak-thru, and shelf options are available to meet various applications.

For design assistance, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can also e-mail us at **transaction@crlaurence.com**.

INTERIOR
EXTERIOR

SPECIFICATIONS:

Frame Description: Narrow Inset Aluminum
Frame Construction: Inset Type for Walls with a 4" (102 mm) Minimum Thickness
Frame Material: .125" (3 mm) Thick Extruded Aluminum Alloy



Higher protection levels available on request

CRL Narrow Inset Frame Windows - Aluminum

Multi-Lites, Dropdowns, Returns, and More

- Narrow Inset Multi-Lite Frame With Shelf and Deal Tray Designed for Windows Joined Together for Multiple Position Workstations
- Custom Anodizing Available

Multi-Lite Narrow Inset Frame windows are commonly used for installations with multiple workstations, such as those found in walk-up ticket offices in arenas, stadiums, movie theatres, and museums. Window options include speak-thrus, deal trays, shelves, dropdowns, returns, and more. Narrow Inset Frame is designed for installation into walls at least 4" (102 mm) thick.

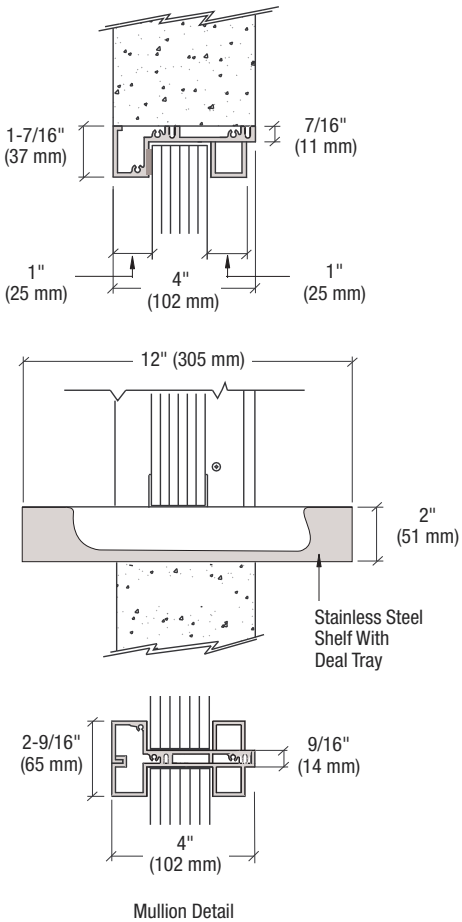
For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can also e-mail us at **transaction@crlaurence.com**.





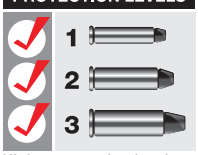
ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES



Mullion Detail

PROTECTION LEVELS



Higher protection levels available on request



SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.
Finishes: Frame - Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors; Shelf - Brushed Stainless Steel #4 Finish
Deal Tray: Level 1 or Level 3 Protection

CAT. NO.	FINISH	OVERALL SIZE (W X H)
N1SWA	Satin Anodized	Customer to Specify
N1SWDU	Bronze Anodized	Customer to Specify
N1SWP	Custom Powder Painted	Customer to Specify
N1SWK	Custom KYNAR® Painted	Customer to Specify

Minimum order: 1 each.

KYNAR is a registered trademark of Arkema, Inc.
Lexgard is a registered trademark of G.A.A.G. LLC.

CRL Narrow Inset Frame Windows - Aluminum

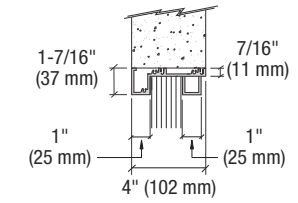
Exterior Glazed Exchange Window

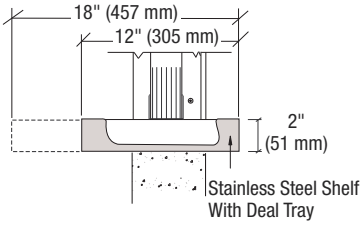
- Narrow Inset Frame With Stainless Steel Shelf and Built-in Non-Ricochet Bullet Resistant Deal Tray

ONLINE INSTALLATION RESOURCES ONLINE ARCHITECTURAL RESOURCES

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

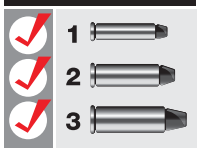






Shown With Optional Cat. No. N666 Speak-Thru and 12" (305 mm) Shelf

PROTECTION LEVELS



Higher protection levels available on request

Exterior Glazed Narrow Inset Frame Windows have a Stainless Steel Shelf with Non-Ricochet Bullet Resistant Deal Tray for passing currency, credit cards, tickets, and small articles. The extruded aluminum frame is designed for installation into walls at least 4" (102 mm) thick. The shelf is typically made in depths of 12" (305 mm) or 18" (457 mm). Added depth of the 18" (457 mm) shelf provides a convenient writing surface on the customer's side. The installer mounts the frame and shelf, then permanently seals the glazing material with the provided glazing tape. Customer specifies overall width and height when ordering.

CAT. NO.	SHELF SIZE	FINISH
N1EW12A	12" (305 mm)	Satin Anodized
N1EW12DU	12" (305 mm)	Bronze Anodized
N1EW12P	12" (305 mm)	Custom Powder Painted
N1EW12K	12" (305 mm)	Custom KYNAR® Painted
N1EW18A	18" (457 mm)	Satin Anodized
N1EW18DU	18" (457 mm)	Bronze Anodized
N1EW18P	18" (457 mm)	Custom Powder Painted
N1EW18K	18" (457 mm)	Custom KYNAR® Painted

Minimum order: 1 each.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.
Finishes: Frame - Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors; Shelf - Brushed Stainless Steel #4 Finish
Deal Tray: Level 1 or Level 3 Protection, Weather Flap/Drain Hole Options Available. See page T463.

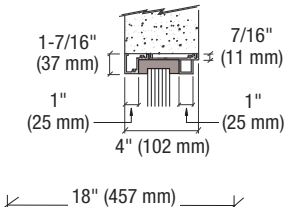
Interior Glazed Exchange Window

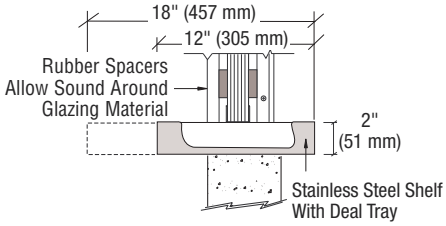
- Narrow Inset Frame Incorporates Surround Sound and Built-In Non-Ricochet Bullet Resistant Deal Tray

ONLINE INSTALLATION RESOURCES ONLINE ARCHITECTURAL RESOURCES

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR USE

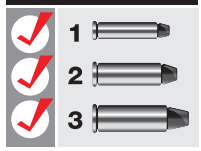






Shown With 18" (457 mm) Shelf

PROTECTION LEVELS



Higher protection levels available on request

Interior Glazed Narrow Inset Frame Windows with Surround Sound Voice Transmission System and Brushed Stainless Steel Shelf with Non-Ricochet Bullet Resistant Deal Tray. The extruded aluminum frame is intended for installation into walls at least 4" (102 mm) thick. Typical shelf depths are 12" (305 mm) and 18" (457 mm). Added depth of 18" (457 mm) shelf gives customers a convenient writing surface. Securing the frame to the wall requires the removal and installation of the glazing material and spacer blocks. Customer specifies overall width and height when ordering.

CAT. NO.	SHELF SIZE	FINISH
N11W12A	12" (305 mm)	Satin Anodized
N11W12DU	12" (305 mm)	Bronze Anodized
N11W12P	12" (305 mm)	Custom Powder Painted
N11W12K	12" (305 mm)	Custom KYNAR® Painted
N11W18A	18" (457 mm)	Satin Anodized
N11W18DU	18" (457 mm)	Bronze Anodized
N11W18P	18" (457 mm)	Custom Powder Painted
N11W18K	18" (457 mm)	Custom KYNAR® Painted

Minimum order: 1 each.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.
Finishes: Frame - Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors; Shelf - Brushed Stainless Steel #4 Finish
Deal Tray: Level 1 or Level 3 Protection

Lexgard is a registered trademark of G.A.A.G. LLC.
KYNAR is a registered trademark of Arkema, Inc.

CRL Narrow Inset Frame Windows - Aluminum

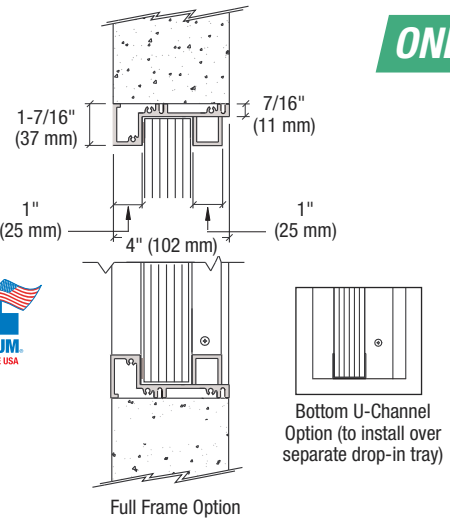
ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

Exterior Glazed Exchange Window

- Narrow Inset Frame Vision Window Typically Used Above Built-In Exchange Drawers in Walk-Up Installations
- Custom Anodizing Available

INTERIOR EXTERIOR



Full Frame Option

Bottom U-Channel Option (to install over separate drop-in tray)



Narrow Inset Frame Vision Windows are designed for installation in wall openings having a thickness of at least 4" (102 mm). The frame has a uniform design on all four sides, and the selected glazing material will be sealed into the frame for a weathertight installation. Vision Windows are commonly used as sidelites in Multi-Lite Exchange Windows. Also for installation above built-in Transaction Drawers or Package Receivers. Installer affixes frame to wall opening, then permanently seals glazing material into frame with included glazing tape. Can also be ordered with U-Channel only under glazing to enable access to Drop-In Deal Trays.

CAT. NO.	FINISH	OVERALL SIZE (W X H)
N1VEA	Satin Anodized	Customer to Specify
N1VEDU	Bronze Anodized	Customer to Specify
N1VEP	Custom Powder Painted	Customer to Specify
N1VEK	Custom KYNAR® Painted	Customer to Specify

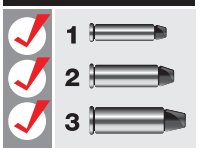
Minimum order: 1 each.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.

Finishes: Frame - Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors

PROTECTION LEVELS

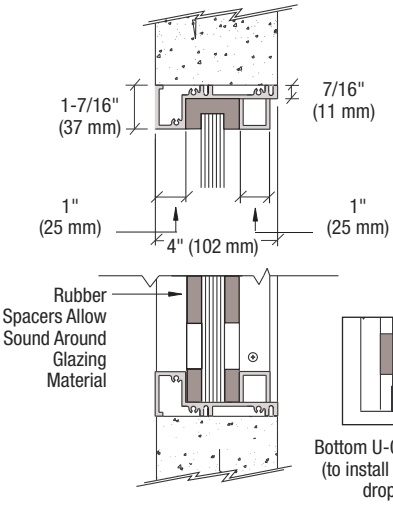


Higher protection levels available on request

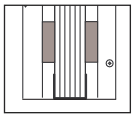
Interior Glazed Exchange Window

- Narrow Inset Frame Vision Window With Surround Sound System to Allow Natural Voice Transmission
- Custom Anodizing Available

INTERIOR USE



Full Frame Option



Bottom U-Channel Option (to install over separate drop-in tray)



Narrow Inset Frame Vision Windows with Surround Sound allow natural voice transmission without an installed speak-thru device. Frame is designed for walls at least 4" (102 mm) thick. They are not weathertight, and are recommended for installation only in interior applications. The frame is uniform on four sides. Securing the frame to the wall requires the removal and installation of the glazing material and spacer blocks. Vision Windows are typically installed above built-in Exchange Drawers, or as sidelites in Multi-Lite Exchange Window units. Can also be ordered with U-Channel only under glazing to enable access to Drop-In Deal Trays.

CAT. NO.	FINISH	OVERALL SIZE (W X H)
N1V1A	Satin Anodized	Customer to Specify
N1V1DU	Bronze Anodized	Customer to Specify
N1V1P	Custom Powder Painted	Customer to Specify
N1V1K	Custom KYNAR® Painted	Customer to Specify

Minimum order: 1 each.

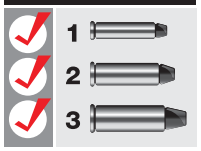
KYNAR is a registered trademark of Arkema, Inc.
Lexgard is a registered trademark of G.A.A.G. LLC.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.

Finishes: Frame - Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors

PROTECTION LEVELS



Higher protection levels available on request

CRL Standard Inset Frame Windows - Aluminum

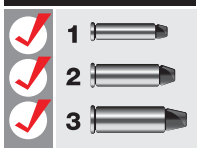
1. 4-7/8" (124 mm) Standard Inset Frame
2. Your Choice of Glazing From 1/4" (6 mm) Non-Bullet Resistant Glass to 1-11/16" (43 mm) Level 3 Bullet Resistant Glass (See Page T461 for Glass Details)
3. Electronic Communicator Option (See Pages T499-T503 for Communicator Details)
4. TD1724 Transaction Drawer Option Shown (See Page T515 for Drawer Details)



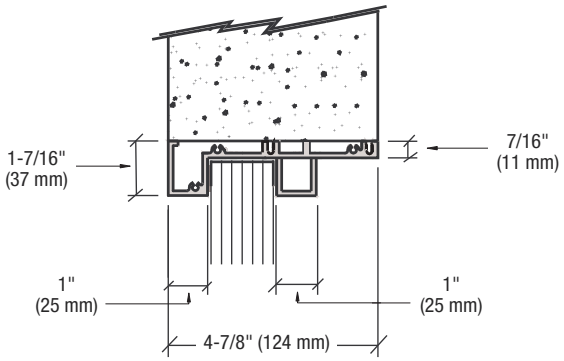
CRL US ALUMINUM MANUFACTURED IN THE USA

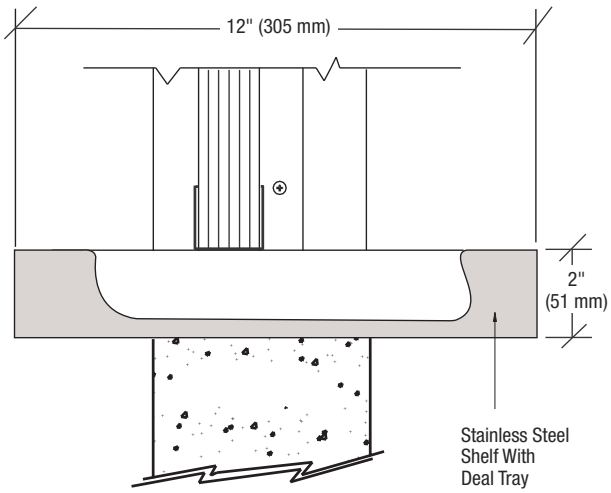
INTERIOR
EXTERIOR

PROTECTION LEVELS



Higher protection levels available on request





Standard Inset Windows are available in many different configurations; from single ticket windows as shown in the photograph, to complex multiple station teller windows with dropdowns, returns, and more. Various glazing, speak-thru, and shelf options are available.

For design assistance, please contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can also e-mail us at **transaction@crlaurence.com**.

SPECIFICATIONS:

Frame Description: Standard Inset Aluminum
Frame Construction: Inset Type for Walls with a 4-7/8" (124 mm) Minimum Thickness
Frame Material: .125" (3 mm) Thick Extruded Aluminum Alloy

CRL Standard Inset Frame Windows - Aluminum

Multi-Lites, Dropdowns, Returns, and More

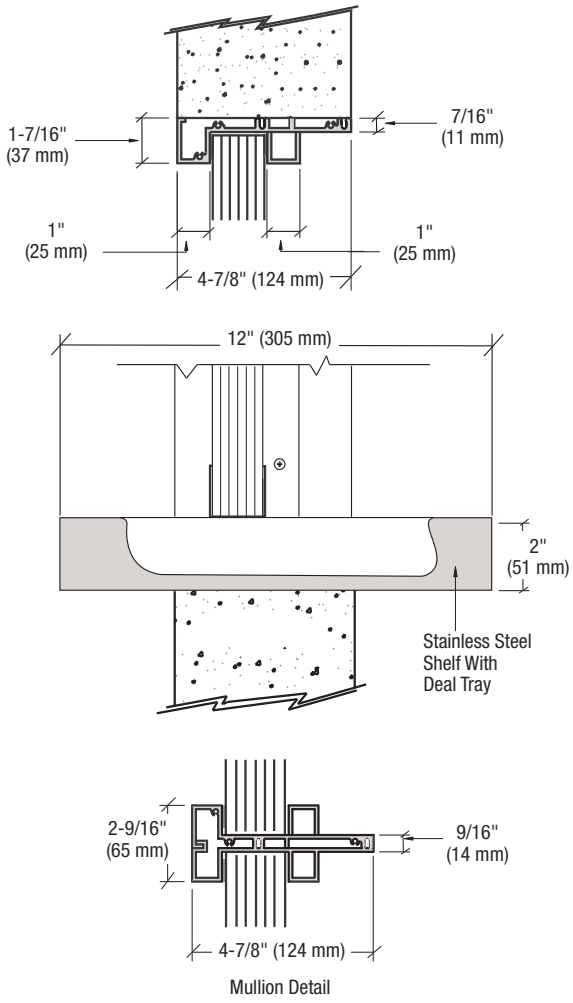
ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

- Standard Inset Multi-Lite Frame With Shelf and Deal Tray Designed for Multiple Window Units for Arenas, Stadiums, Payment Offices, Theaters, Etc.
- Custom Anodizing Available

Multi-Lite Standard Inset Frame Windows are commonly used for installations with multiple workstations, such as those found in walk-up ticket offices in arenas, stadiums, movie theaters, and museums. Window options include deal trays, speak-thrus, shelves, dropdowns, returns, and more. Standard Inset Frame is designed for installation into walls at least 4-7/8" (124 mm) thick. An overhang is recommended for exterior use.

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 . You can also e-mail us at **transaction@crlaurence.com**.



Mullion Detail

KYNAR is a registered trademark of Arkema, Inc.
Lexgard is a registered trademark of G.A.A.G. LLC.



INTERIOR EXTERIOR

CRL US ALUMINUM MANUFACTURED IN THE USA

PROTECTION LEVELS



Higher protection levels available on request

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®; Shelf - Stainless Steel

Finishes: Frame - Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors; Shelf - Brushed Stainless Steel #4 Finish

Deal Tray: Level 1 or Level 3 Protection

MULTI-LITE STANDARD INSET ALUMINUM FRAME WINDOWS

CAT. NO.	FINISH	OVERALL SIZE (W X H)
S1SWA	Satin Anodized	Customer to Specify
S1SWDU	Bronze Anodized	Customer to Specify
S1SWP	Custom Powder Painted	Customer to Specify
S1SWK	Custom KYNAR® Painted	Customer to Specify

Minimum order: 1 each.

CRL Standard Inset Frame Windows - Aluminum

Exterior Glazed Exchange Window

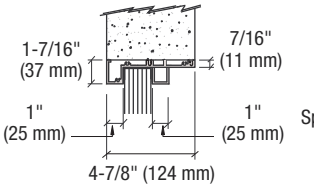
- Standard Inset Frame With Shelf and Built-In Non-Ricochet Bullet Resistant Deal Tray
- Custom Anodizing Available

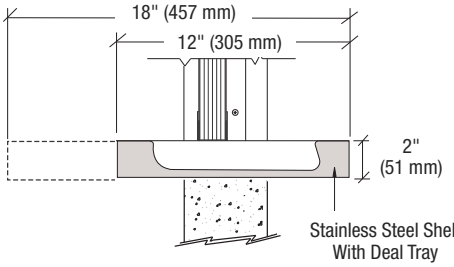
ONLINE INSTALLATION RESOURCES ONLINE ARCHITECTURAL RESOURCES

Exterior Glazed Standard Inset Frame Windows have a Stainless Steel Shelf with Non-Ricochet Bullet Resistant Deal Tray for passing currency, credit cards, tickets, and small articles. The extruded aluminum frame is designed for installation into walls at least 4-7/8" (124 mm) thick. The shelf is typically made in depths of 12" or 18" (305 or 457 mm). The added depth of the 18" (457 mm) shelf provides a convenient writing surface on the customer's side. All windows are shipped with the glazing material temporarily glazed. The installer mounts the frame and shelf, then permanently seals the glazing material with the provided glazing tape. Customer specifies overall width and height when ordering.

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

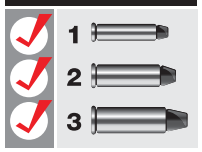






Shown With Optional Cat. No. N666 Speak-Thru and 12" (305 mm) Shelf

PROTECTION LEVELS



Higher protection levels available on request

CAT. NO.	SHELF SIZE	FINISH
S1EW12A	12" (305 mm)	Satin Anodized
S1EW12DU	12" (305 mm)	Bronze Anodized
S1EW12P	12" (305 mm)	Custom Powder Painted
S1EW12K	12" (305 mm)	Custom KYNAR® Painted
S1EW18A	18" (457 mm)	Satin Anodized
S1EW18DU	18" (457 mm)	Bronze Anodized
S1EW18P	18" (457 mm)	Custom Powder Painted
S1EW18K	18" (457 mm)	Custom KYNAR® Painted

Minimum order: 1 each. For stock sizes with Level 1 bullet resistant acrylic glazing see page T476.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®; Shelf - Stainless Steel

Finishes: Frame - Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors; Shelf - Brushed Stainless Steel #4 Finish

Deal Tray: Level 1 or Level 3 Protection, Weather Flap/Drain Hole Options Available. See page T463.

Interior Glazed Exchange Window

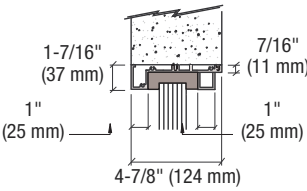
- Standard Inset Frame With Shelf and Built-In Non-Ricochet Bullet Resistant Deal Tray Plus Surround Sound
- Custom Anodizing Available

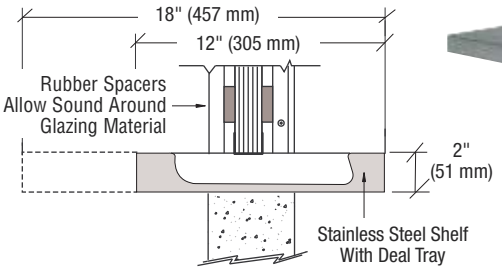
ONLINE INSTALLATION RESOURCES ONLINE ARCHITECTURAL RESOURCES

Interior Glazed Standard Inset Frame Windows with Surround Sound Voice Transmission System, plus Brushed Stainless Steel Shelf with Non-Ricochet Bullet Resistant Deal Tray. The extruded aluminum frame is intended for installation into walls at least 4-7/8" (124 mm) thick. Typical shelf depths are 12" and 18" (305 and 457 mm). The 18" (457 mm) shelf gives customers a convenient writing surface. Securing the frame to the wall requires the removal and installation of the glazing material and spacer blocks. Customer specifies overall width and height when ordering.

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR USE

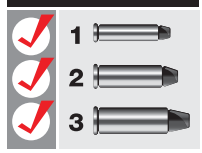






Shown With 18" (457 mm) Shelf

PROTECTION LEVELS



Higher protection levels available on request

CAT. NO.	SHELF SIZE	FINISH
S11W12A	12" (305 mm)	Satin Anodized
S11W12DU	12" (305 mm)	Bronze Anodized
S11W12P	12" (305 mm)	Custom Powder Painted
S11W12K	12" (305 mm)	Custom KYNAR® Painted
S11W18A	18" (457 mm)	Satin Anodized
S11W18DU	18" (457 mm)	Bronze Anodized
S11W18P	18" (457 mm)	Custom Powder Painted
S11W18K	18" (457 mm)	Custom KYNAR® Painted

Minimum order: 1 each. For stock sizes with Level 1 bullet resistant acrylic glazing see page T476.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®; Shelf - Stainless Steel

Finishes: Frame - Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors; Shelf - Brushed Stainless Steel #4 Finish

Deal Tray: Level 1 or Level 3 Protection

Lexgard is a registered trademark of G.A.A.G. LLC.
KYNAR is a registered trademark of Arkema, Inc.

CRL Standard Inset Frame Windows - Aluminum

Exterior Glazed Exchange Window

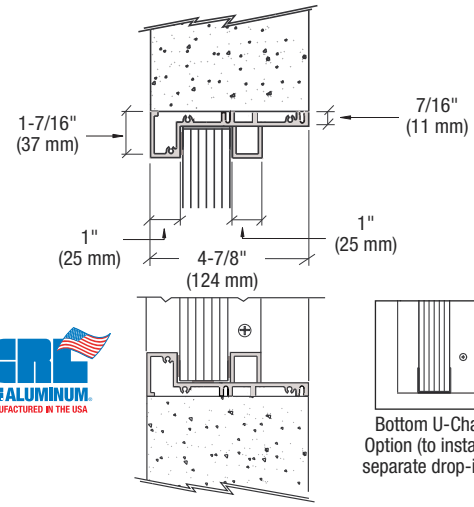
- Standard Inset Frame Vision Window Typically Used Above Built-In Exchange Drawers in Walk-Up Installations
- Custom Anodizing Available

INTERIOR EXTERIOR

Standard Inset Frame Vision Windows are designed for installation in wall openings that have a thickness of at least 4-7/8" (124 mm). The frame has a uniform design on all four sides, and the selected glazing material will be sealed into the frame for a weather tight installation. Vision Windows are commonly used as sidelites in Multi-Lite Exchange Window units. Also for installation above built-in Transaction Drawers or Package Receivers. Installer affixes frame to wall opening, then permanently seals glazing material into frame with the provided glazing tape.

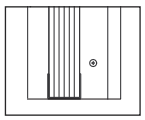
CAT. NO.	FINISH	OVERALL SIZE (W X H)
S1VEA	Satin Anodized	Customer to Specify
S1VEDU	Bronze Anodized	Customer to Specify
S1VEP	Custom Powder Painted	Customer to Specify
S1VEK	Custom KYNAR® Painted	Customer to Specify

Minimum order: 1 each.



CRL US ALUMINUM MANUFACTURED IN THE USA

Full Frame Option



Bottom U-Channel Option (to install over separate drop-in tray)

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

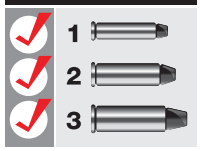


SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.

Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors

PROTECTION LEVELS



Higher protection levels available on request

Interior Glazed Exchange Window

- Standard Inset Frame Vision Window With Surround Sound System to Allow Natural Voice Transmission
- Custom Anodizing Available

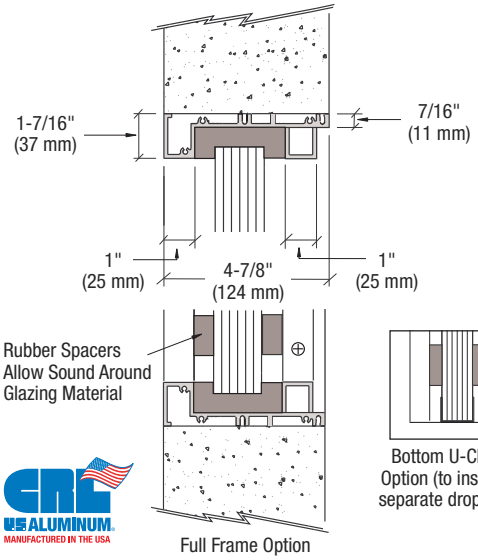
INTERIOR USE

Standard Inset Frame Vision Windows with Surround Sound allow natural voice transmission without an installed speak-thru device. Vision Windows are typically installed above built-in Exchange Drawers, or as sidelites in Multi-Lite Exchange Window units. Frame is designed for walls at least 4-7/8" (124 mm) thick. They are not weather tight, and are recommended for installation only in interior applications. The frame is uniform on four sides. Securing the frame to the wall requires the removal and installation of the glazing material and spacer blocks. Can also be ordered with U-Channel only under glazing to enable access to Drop-In Deal Trays.

CAT. NO.	FINISH	OVERALL SIZE (W X H)
S1V1A	Satin Anodized	Customer to Specify
S1V1DU	Bronze Anodized	Customer to Specify
S1V1P	Custom Powder Painted	Customer to Specify
S1V1K	Custom KYNAR® Painted	Customer to Specify

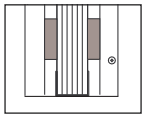
Minimum order: 1 each.

KYNAR is a registered trademark of Arkema, Inc.
Lexgard is a registered trademark of G.A.A.G. LLC.



CRL US ALUMINUM MANUFACTURED IN THE USA

Full Frame Option



Bottom U-Channel Option (to install over separate drop-in tray)

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES



SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.

Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors

PROTECTION LEVELS



Higher protection levels available on request

CRL In Stock, Off-The-Shelf Standard Inset Frame Models

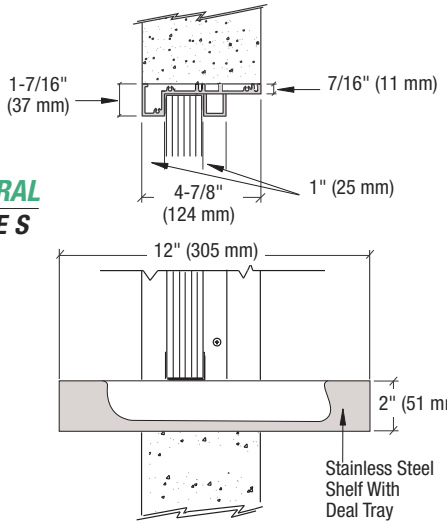
Window With Bullet Resistant Speak-Thru and Shelf With Deal Tray

- Fits Walls at Least 4-7/8" (124 mm) Thick
- Assembled and Ready to Install

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

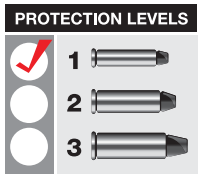




This Standard Inset Frame Exchange Window is designed for walls with a thickness of at least 4-7/8" (124 mm). The unit slides into the opening and is secured by installing screws through the perimeter frame and into the sides of the opening. Window is supplied with a 12" (305 mm) deep Stainless Steel Shelf with built-in Non-Ricochet Bullet Resistant Deal Tray. Glazing is 1-1/4" (32 mm) thick bullet resistant acrylic with a Level 1 protection rating. The Cat. No. N666 Level 3 rated Stainless Steel Speak-Thru allows natural voice transmission (see page T504). An overhang or awning is recommended if used in an exterior application. Two finishes and two sizes are available in stock. Custom units are shown on pages T472-T475.

INTERIOR EXTERIOR

PROTECTION LEVELS



CAT. NO.	FINISH	OVERALL SIZE (W X H)	WALL OPENING SIZE (W X H)
S1EW2436A	Satin Anodized	24" x 36" (610 x 914 mm)	24-1/2" x 36-1/4" (622 x 921 mm)
S1EW2436DU	Bronze Anodized	24" x 36" (610 x 914 mm)	24-1/2" x 36-1/4" (622 x 921 mm)
S1EW3636A	Satin Anodized	36" x 36" (914 x 914 mm)	36-1/2" x 36-1/4" (927 x 921 mm)
S1EW3636DU	Bronze Anodized	36" x 36" (914 x 914 mm)	36-1/2" x 36-1/4" (927 x 921 mm)

Minimum order: 1 each.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1-1/4" (32 mm) Level 1 Acrylic; Shelf - Stainless Steel

Finishes: Frame - Satin Anodized or Bronze Anodized; Shelf - Brushed Stainless Steel #4 Finish 16 Gauge

Speak-Thru: N666 Level 3 Stainless Steel

Deal Tray: Level 1 Protection

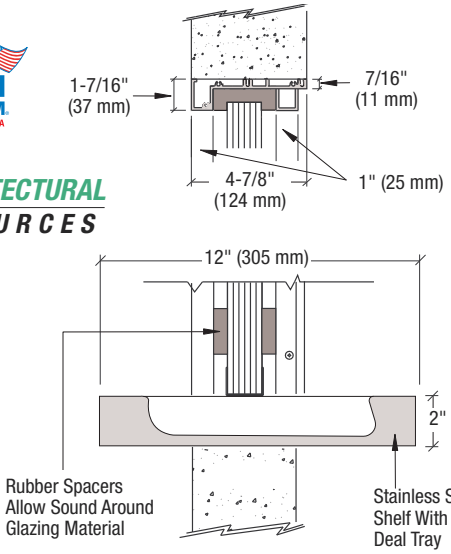
Interior Window With Surround Sound and Shelf With Deal Tray

- Fits Walls at Least 4-7/8" (124 mm) Thick
- Assembled and Ready to Install

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

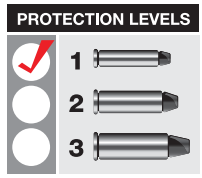




Standard Inset Frame Interior Window with Surround Sound Voice Transmission System incorporates evenly spaced glazing blocks around the perimeter of the window, allowing sound to be transmitted between the blocks. Recommended for interior applications only. Designed for installation in walls at least 4-7/8" (124 mm) thick. Window slides easily into the wall opening and is secured by installing screws through the perimeter frame. Glazing is 1-1/4" (32 mm) thick bullet resistant acrylic rated for Level 1 protection. 12" (305 mm) deep Stainless Steel Shelf has Non-Ricochet Bullet Resistant Deal Tray. Two finishes and two sizes are available in stock. Custom units are shown on pages T472-T475.

INTERIOR USE

PROTECTION LEVELS



CAT. NO.	FINISH	OVERALL SIZE (W X H)	WALL OPENING SIZE (W X H)
S11W2436A	Satin Anodized	24" x 36" (610 x 914 mm)	24-1/2" x 36-1/4" (622 x 921 mm)
S11W2436DU	Bronze Anodized	24" x 36" (610 x 914 mm)	24-1/2" x 36-1/4" (622 x 921 mm)
S11W3636A	Satin Anodized	36" x 36" (914 x 914 mm)	36-1/2" x 36-1/4" (927 x 921 mm)
S11W3636DU	Bronze Anodized	36" x 36" (914 x 914 mm)	36-1/2" x 36-1/4" (927 x 921 mm)

Minimum order: 1 each.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1-1/4" (32 mm) Level 1 Acrylic; Shelf - Stainless Steel

Finishes: Frame - Satin Anodized or Bronze Anodized; Shelf - Brushed Stainless Steel #4 Finish 16 Gauge

Speak-Thru: Surround Sound System

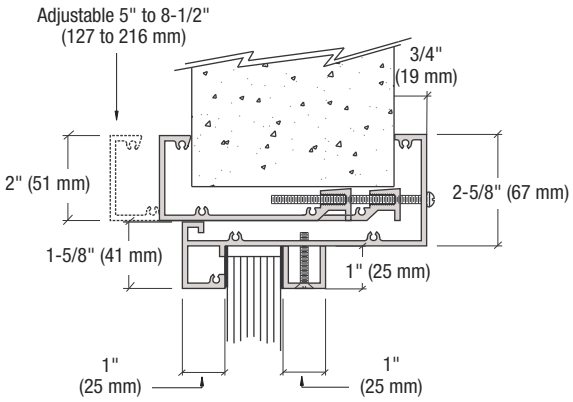
Deal Tray: Level 1 Protection

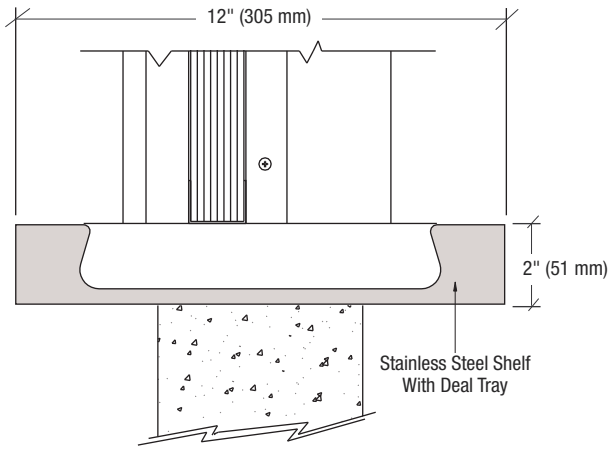
CRL Clamp-On Frame Windows - Aluminum

1. Clamp-On Frame for Walls Between 5" and 8-1/2" (127 and 216 mm) Thick
2. Your Choice of Glazing From 1/4" (6 mm) Non-Bullet Resistant Glass to 1-11/16" (43 mm) Level 3 Bullet Resistant Glass (See Page T461 for Glass Details)
3. Stainless Steel Shelf and Deal Tray Option Shown (See Page T513 for Shelf Details)
4. Electronic Communicator Options (See Pages T499-T503 for Communicator Details)

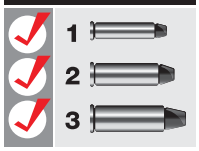
- Stock, Custom Painted, and Custom Anodized Finishes Available
- Drawings and Specifications are Available Online at **crlaurence.com**







PROTECTION LEVELS



Higher protection levels available on request

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

Clamp-On Frame Windows are available in many different configurations; from simple ticket windows as shown in the photograph, to complex multiple station teller windows with drop downs, returns, and more. Different glazing, speak-thrus, and shelf options are available to meet various applications.

For design assistance, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can also e-mail us at **transaction@crlaurence.com**.

Frame Description: Clamp-On Aluminum
Frame Construction: Clamp-On Type Adjustable for Walls from 5" to 8-1/2" (127 to 216 mm) Thick
Frame Material: .125" (3 mm) Thick Extruded Aluminum Alloy

CRL Clamp-On Frame Windows - Aluminum

Multi-Lites, Dropdowns, Returns, and More

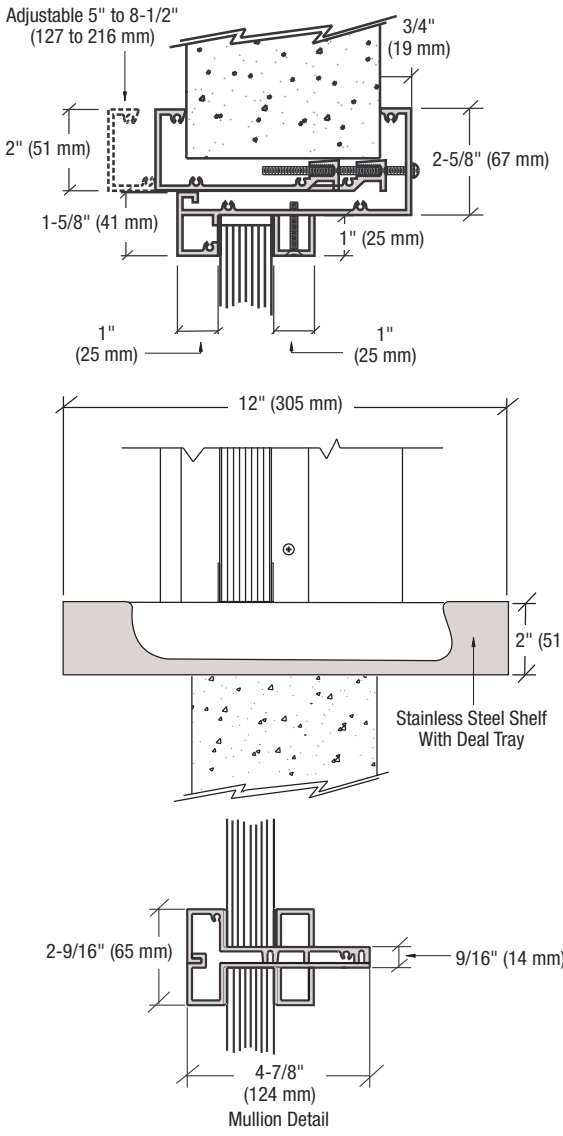
- Clamp-On Frame With Shelf and Deal Tray Designed for Arenas, Stadiums, Theaters, Etc.
- Custom Anodizing Available

Multi-Lite Clamp-On Frame Windows are commonly used for installations with multiple workstations, such as those found in walk-up ticket offices in arenas, stadiums, movie theaters, and check-cashing stores. Window options include speak-thrus, deal trays, shelves, dropdowns, returns, and more. Clamp-On Frame is designed for installation into walls from 5" to 8-1/2" (127 to 216 mm) thick.

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. You can also e-mail us at **transaction@crlaurence.com**.

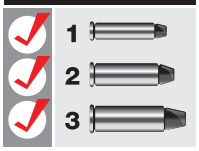






KYNAR is a registered trademark of Arkema, Inc.
Lexgard is a registered trademark of G.A.A.G. LLC.

PROTECTION LEVELS



Higher protection levels available on request

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®; Shelf-Stainless Steel

Finishes: Frame - Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors; Shelf - Brushed Stainless Steel #4 Finish

Deal Tray: Level 1 or Level 3 Protection

MULTI-LITE CLAMP-ON ALUMINUM FRAME WINDOWS

CAT. NO.	FINISH	WALL OPENING SIZE (W X H)
C0SWA	Satin Anodized	Customer to Specify
C0SWDU	Bronze Anodized	Customer to Specify
C0SWP	Custom Powder Painted	Customer to Specify
C0SWK	Custom KYNAR® Painted	Customer to Specify

Minimum order: 1 each.

CRL Clamp-On Frame Windows - Aluminum

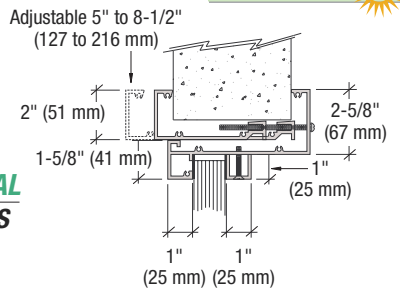
Exterior Glazed Exchange Window

- Clamp-On Frame With Stainless Steel Shelf and Built-in Non-Ricochet Bullet Resistant Deal Tray
- Custom Anodizing Available

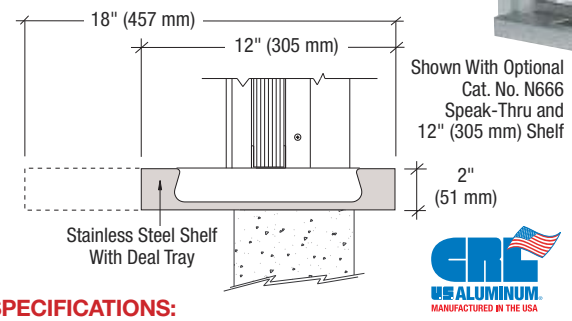
ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

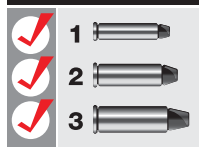
INTERIOR EXTERIOR







PROTECTION LEVELS



Higher protection levels available on request

Exterior Glazed Clamp-On Frame Windows have a Stainless Steel Shelf with Non-Ricochet Bullet Resistant Deal Tray for passing currency, credit cards, tickets, or small articles. The extruded aluminum frame is designed for installation into walls 5" to 8-1/2" (127 to 216 mm) thick. The shelf is typically made in depths of 12" or 18" (305 or 457 mm). The added depth of the 18" (457 mm) shelf provides a convenient writing surface on the customer's side. Tightening screws on the interior side of the frame clamps the window securely in the opening. Customer specifies overall width and height when ordering.

CAT. NO.	SHELF SIZE	FINISH
C0EW12A	12" (305 mm)	Satin Anodized
C0EW12DU	12" (305 mm)	Bronze Anodized
C0EW12P	12" (305 mm)	Powder Painted, Customer to Specify
C0EW12K	12" (305 mm)	KYNAR® Painted, Customer to Specify
C0EW18A	18" (457 mm)	Satin Anodized
C0EW18DU	18" (457 mm)	Bronze Anodized
C0EW18P	18" (457 mm)	Powder Painted, Customer to Specify
C0EW18K	18" (457 mm)	KYNAR® Painted, Customer to Specify

Minimum order: 1 each.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.
Finishes: Frame - Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors; Shelf - Brushed Stainless Steel #4 Finish
Deal Tray: Level 1 or Level 3 Protection, Weather Flap/Drain Hole Options Available
See page T463.

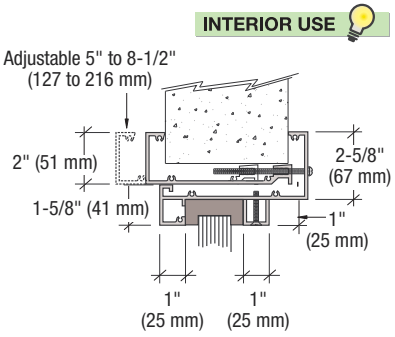
Interior Glazed Exchange Window

- Clamp-On Frame Design Incorporates Surround Sound and Built-In Non-Ricochet Bullet Resistant Deal Tray
- Custom Anodizing Available

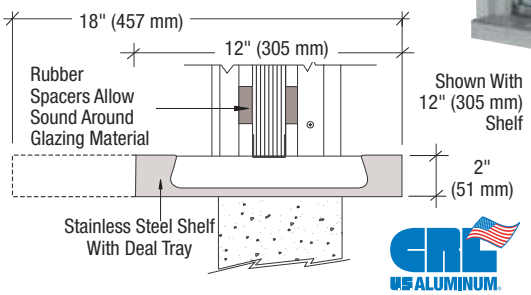
ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

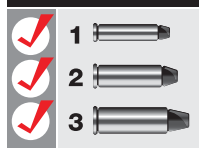
INTERIOR USE







PROTECTION LEVELS



Higher protection levels available on request

Interior Glazed Clamp-On Frame Windows have Surround Sound Voice Transmission System and a Brushed Stainless Steel Shelf with Non-Ricochet Bullet Resistant Deal Tray. The extruded aluminum frame is intended for installation into walls 5" to 8-1/2" (127 to 216 mm) thick. Typical shelf depths are 12" and 18" (305 mm and 457 mm). Added depth of the 18" (457 mm) shelf gives customer a convenient writing surface. Tightening screws on the interior side of the frame clamps the window securely in the opening. Customer specifies overall width and height when ordering.

CAT. NO.	SHELF SIZE	FINISH
C01W12A	12" (305 mm)	Satin Anodized
C01W12DU	12" (305 mm)	Bronze Anodized
C01W12P	12" (305 mm)	Powder Painted, Customer to Specify
C01W12K	12" (305 mm)	KYNAR® Painted, Customer to Specify
C01W18A	18" (457 mm)	Satin Anodized
C01W18DU	18" (457 mm)	Bronze Anodized
C01W18P	18" (457 mm)	Powder Painted, Customer to Specify
C01W18K	18" (457 mm)	KYNAR® Painted, Customer to Specify

Minimum order: 1 each.

KYNAR is a registered trademark of Arkema, Inc.
Lexgard is a registered trademark of G.A.A.G. LLC.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®.
Finishes: Frame - Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors; Shelf - Brushed Stainless Steel #4 Finish
Deal Tray: Level 1 or Level 3 Protection, Weather Flap/Drain Hole Options Available
See page T463.

CRL Clamp-On Frame Windows - Aluminum

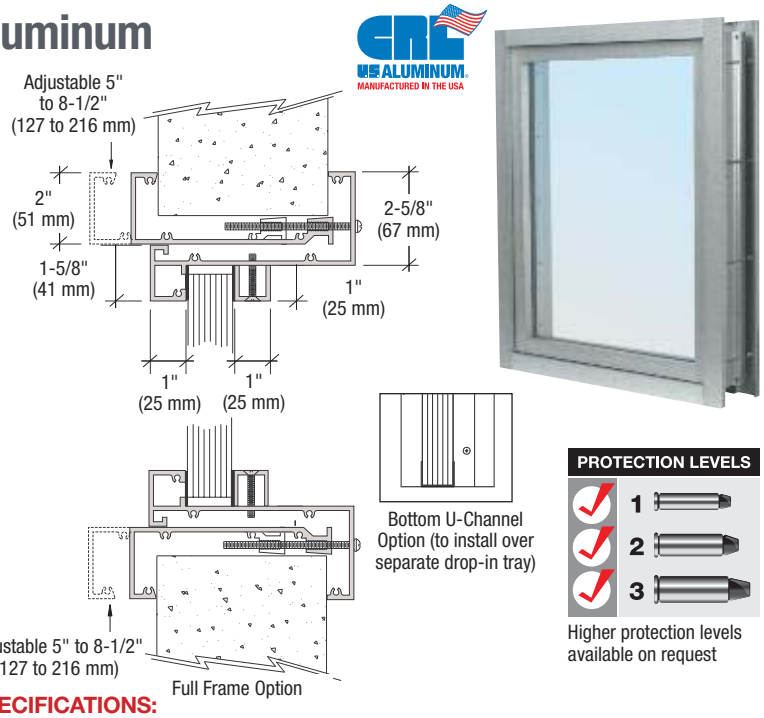
Exterior Glazed Exchange Window

- Clamp-On Frame Vision Window Typically Used Above Built-In Exchange Drawers in Walk-Up Installations
- Custom Anodizing Available

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

INTERIOR EXTERIOR



Clamp-On Frame Vision Windows are designed for installation in wall openings having a thickness from 5" to 8-1/2" (127 to 216 mm). The frame has a uniform design on all four sides, and the selected glazing material will be sealed into the frame for a weather tight installation. Vision Windows are commonly installed above built-in Transaction Drawers or Package Receivers. Tightening screws on the interior side of the frame clamps the window securely in the opening. Can also be ordered with U-Channel only under the glazing to enable access to Drop-In Deal Trays. Customer specifies overall width and height when ordering.

CAT. NO.	FINISH
C0VEA	Satin Anodized
C0VEDU	Bronze Anodized
C0VEP	Powder Painted, Customer to Specify
C0VEK	KYNAR® Painted, Customer to Specify

Minimum order: 1 each.

PROTECTION LEVELS

Higher protection levels available on request

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing -1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®

Finishes: Frame - Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors

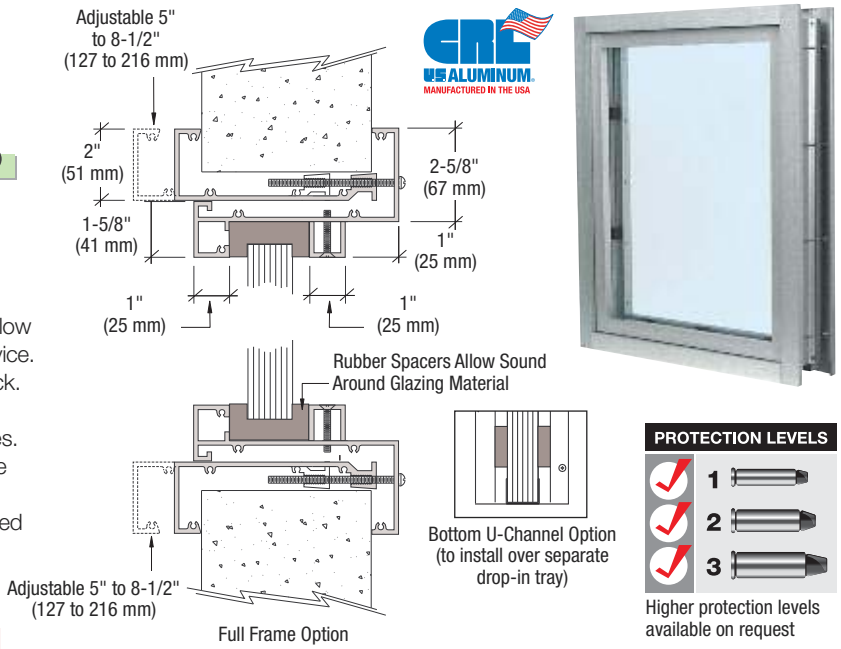
Interior Glazed Exchange Window

- Clamp-On Frame Vision Window With Surround Sound System to Allow Natural Voice Transmission
- Custom Anodizing Available

INTERIOR USE

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES



Clamp-On Frame Vision Windows with Surround Sound allow natural voice transmission without an installed speak-thru device. Frame is designed for walls 5" to 8-1/2" (127 to 216 mm) thick. They are not weather tight, and recommended for installation only in interior applications. The frame is uniform on four sides. Tightening screws on the interior side of the frame clamps the window securely in the opening. Vision Windows are typically installed above built-in Exchange Drawers. Can also be ordered with U-Channel only under the glazing to enable access to Drop-In Deal Trays. Customer specifies overall width and height when ordering.

CAT. NO.	FINISH
C0V1A	Satin Anodized
C0V1DU	Bronze Anodized
C0V1P	Powder Painted, Customer to Specify
C0V1K	KYNAR® Painted, Customer to Specify

Minimum order: 1 each.

PROTECTION LEVELS

Higher protection levels available on request

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing -1/4" (6 mm) Glass; 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 3/4" (19 mm) Level 1 Lexgard®; 1-3/8" (35 mm) Level 2 Glass; 1-3/8" (35 mm) Level 2 Acrylic with Abrasion Resistant Coating; 1" (25 mm) Level 2 Lexgard®; 1-11/16" (43 mm) Level 3 Glass; 1-3/16" (30 mm) Level 3 Glass Clad Polycarbonate; 1-1/4" (32 mm) Level 3 Lexgard®

Finishes: Frame - Satin Anodized, Bronze Anodized, Custom Anodized, Powder Paint Colors, or Custom KYNAR® Paint Colors

KYNAR is a registered trademark of Arkema, Inc.
Lexgard is a registered trademark of G.A.A.G. LLC.

CRL In Stock, Off-The-Shelf Clamp-On Frame Models

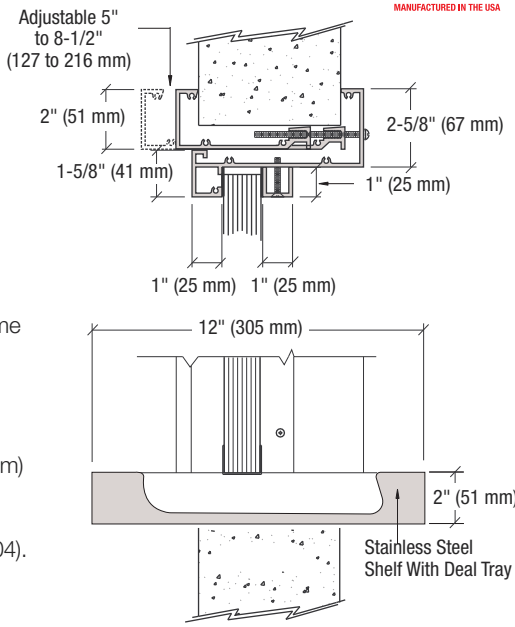
Window With Bullet Resistant Speak-Thru and Shelf With Deal Tray

- Fits Walls From 5" to 8-1/2" (127 to 216 mm) Thick
- Assembled and Ready to Install

ONLINE INSTALLATION RESOURCES

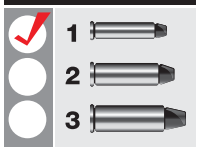
INTERIOR EXTERIOR

ONLINE ARCHITECTURAL RESOURCES





PROTECTION LEVELS



This Bullet Resistant Exchange Window uses a Clamp-On Frame designed for installation into wall openings that are 5" to 8-1/2" (127 to 216 mm) thick. The window is secured in the opening by tightening the interior side of the frame to the unit. Each window comes complete with a 12" (305 mm) deep Stainless Steel Shelf with a Non-Ricochet Bullet Resistant Deal Tray. The 1-1/4" (32 mm) thick bullet resistant acrylic is rated for Level 1 protection. A Cat. No. N666 Speak-Thru is built into the acrylic, and offers Level 3 protection while allowing natural voice transmission (see page T504). An overhang is recommended if used in an exterior application. Two finishes and two sizes are available in stock. Custom units are shown on pages T477-T480.

CAT. NO.	FINISH	OVERALL SIZE (W X H)	WALL OPENING SIZE (W X H)
C0EW2436A	Satin Anodized	28" x 38" (711 x 965 mm)	25-3/4" x 37" (654 x 940 mm)
C0EW2436DU	Bronze Anodized	28" x 38" (711 x 965 mm)	25-3/4" x 37" (654 x 940 mm)
C0EW3636A	Satin Anodized	40" x 38" (1016 x 965 mm)	37-3/4" x 37" (959 x 940 mm)
C0EW3636DU	Bronze Anodized	40" x 38" (1016 x 965 mm)	37-3/4" x 37" (959 x 940 mm)

Minimum order: 1 each.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1-1/4" (32 mm) Level 1 Acrylic; Shelf - Stainless Steel
Finishes: Frame - Satin Anodized or Bronze Anodized; Shelf - Brushed Stainless Steel #4 Finish
Speak-Thru: N666 Level 3 Stainless Steel
Deal Tray: Level 1 Protection

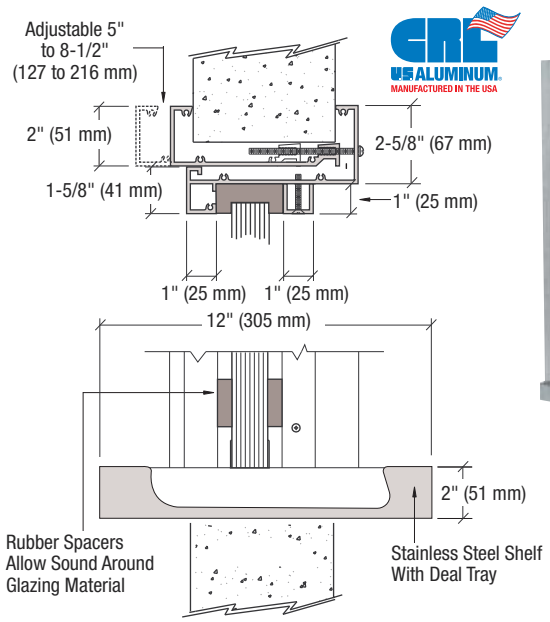
Interior Window With Surround Sound and Shelf With Deal Tray

- Fits Walls From 5" to 8-1/2" (127 to 216 mm) Thick
- Assembled and Ready to Install

ONLINE INSTALLATION RESOURCES

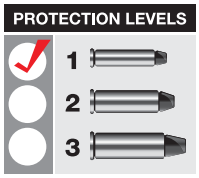
INTERIOR USE

ONLINE ARCHITECTURAL RESOURCES





PROTECTION LEVELS



This Clamp-On Frame Interior Window uses the Surround Sound Voice Transmission System for unobstructed viewing through the glazing material. Designed for installation in wall thicknesses from 5" to 8-1/2" (127 to 216 mm). Screws fastened through the interior side of the frame clamp the window securely in the opening. Supplied with a 12" (305 mm) deep Stainless Steel Shelf with Non-Ricochet Bullet Resistant Deal Tray. Glazing is 1-1/4" (32 mm) thick bullet resistant acrylic rated for Level 1 protection. Two finishes are supplied in two stock sizes. Custom units are shown on pages T477-T480.

CAT. NO.	FINISH	OVERALL SIZE (W X H)	WALL OPENING SIZE (W X H)
C01W2436A	Satin Anodized	28" x 38" (711 x 965 mm)	25-3/4" x 37" (654 x 940 mm)
C01W2436DU	Bronze Anodized	28" x 38" (711 x 965 mm)	25-3/4" x 37" (654 x 940 mm)
C01W3636A	Satin Anodized	40" x 38" (1016 x 965 mm)	37-3/4" x 37" (959 x 940 mm)
C01W3636DU	Bronze Anodized	40" x 38" (1016 x 965 mm)	37-3/4" x 37" (959 x 940 mm)

Minimum order: 1 each.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Glazing - 1-1/4" (32 mm) Level 1 Acrylic; Shelf -Stainless Steel
Finishes: Frame - Satin Anodized or Bronze Anodized; Shelf - Brushed Stainless Steel #4 Finish
Speak-Thru: Surround Sound System
Deal Tray: Level 1 Protection

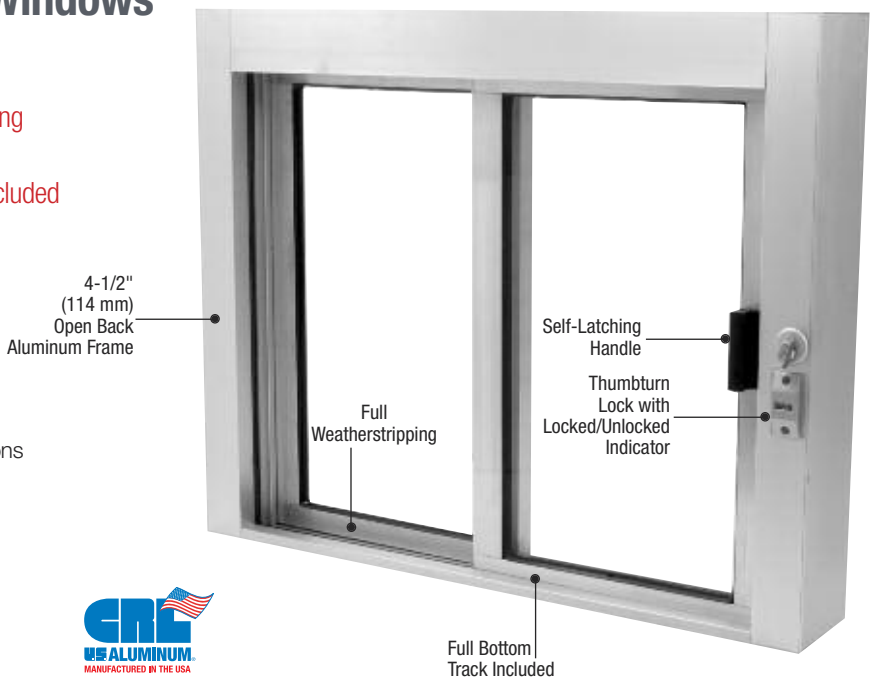
CRL Bullet Resistant Sliding Windows

Exterior or Interior Windows

- Each Window is Custom Fabricated to Fit the Opening
- Fully Weatherized for Exterior Use
- Thumbturn Lock With Locked/Unlocked Indicator Included
- Glazed Window Provides Level 1 Bullet Resistance

ONLINE ARCHITECTURAL RESOURCES

Our Bullet Resistant Sliding Windows offer nighttime protection and allow daytime "business as usual" conditions to conduct transactions. These windows can be opened during daylight business hours, and closed at night when most crimes are committed. Bullet resistant protection is provided only in the closed position. Customer specifies overall width and height when ordering.



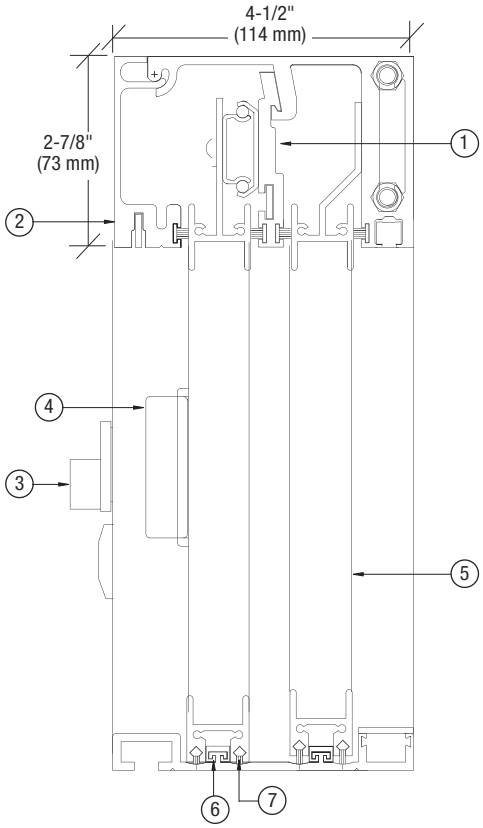
CRL US ALUMINUM MANUFACTURED IN THE USA



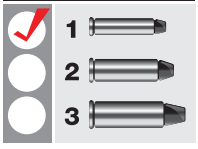
Typical application showing a Bullet Resistant Sliding Window.

INTERIOR EXTERIOR

1. Heavy-Duty Anti-Lift Ball Bearing Carrier
2. Removable Header Access Panel
3. Thumbturn Lock with Locked/Unlocked Indicator
4. Self-Latching Handle
5. 3/4" (19 mm) Bullet Resistant Level 1 Lexgard® or 3/4" (19 mm) Level 1 Hygard®
6. Vinyl Track (No Metal-to-Metal Rubbing)
7. Poly-Pile Weatherstripping



PROTECTION LEVELS



SPECIFICATIONS:

Material: .125" (3 mm) Thick Extruded Aluminum Alloy
Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted Colors or Custom KYNAR® Painted Colors
Glazing: 3/4" (19 mm) Level 1 Lexgard®, 3/4" (19 mm) Level 1 Hygard®; Unglazed
Options: Stainless Steel Counter; Deal Tray; Burglar Bar; Transoms
Configurations*: 0X or X0, 0X0, X0X
* Determined from Clerk's Side: X = Sliding Panel; 0 = Fixed Panel

Lexgard is a registered trademark of G.A.A.G. LLC.
KYNAR is a registered trademark of Arkema, Inc.
Hygard is a registered trademark of Sheffield Plastics, Inc.

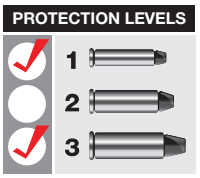
CAT. NO.	BULLET RESISTANCE	FINISH
SBRWEXA1	Level 1	Satin Anodized
SBRWEXDU1	Level 1	Bronze Anodized
SBRWEXP1	Level 1	Custom Powder Painted
SBRWEXK1	Level 1	Custom KYNAR® Painted

Minimum order: 1 each.

CRL Bullet Resistant Sliding Windows

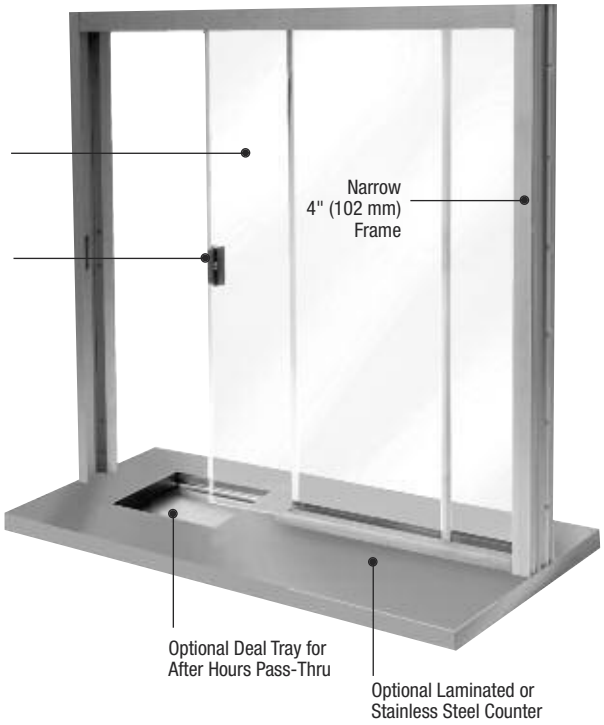
Interior Windows

- Each Window is Custom Fabricated to Fit the Opening
- Four Configurations Offered of Sliding and Fixed Panels
- Features Include Easy Rolling Overhead Ball Bearing Carrier and Self-Latching Handle
- Can Be Used "Business as Usual" During Daytime, Closed at Night for Protection
- Available in Level 1 or Level 3 Bullet Resistance
- Custom Anodized Finishes Available Upon Request



INTERIOR USE

ONLINE ARCHITECTURAL RESOURCES

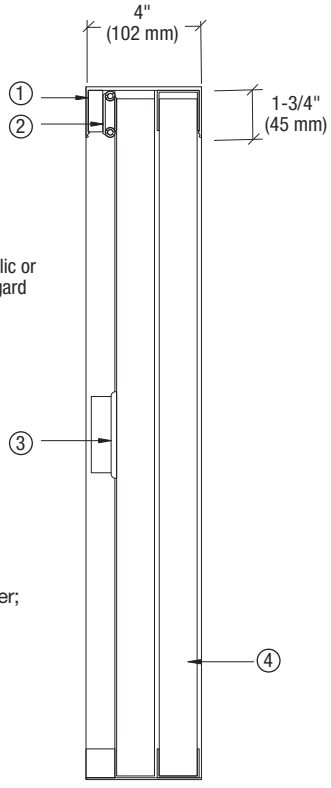




Level 1 Bullet Resistant Sliding Window with Optional CAD101 Speak Thru in Sliding Panel.

CRL US ALUMINUM MANUFACTURED IN THE USA

① Narrow Header
② Heavy-Duty Anti-Lift Ball Bearing Carrier
③ Self-Latching Handle
④ 1-1/4" (32 mm) Level 1 Acrylic or 1-1/4" (32 mm) Level 3 Lexgard



CAT. NO.	BULLET RESISTANCE	FINISH
SBRWA1	Level 1	Satin Anodized
SBRWDU1	Level 1	Bronze Anodized
SBRWP1	Level 1	Powder Painted, Customer to Specify
SBRWK1	Level 1	KYNAR® Painted, Customer to Specify
SBRWA3	Level 3	Satin Anodized
SBRWDU3	Level 3	Bronze Anodized
SBRWP3	Level 3	Powder Painted, Customer to Specify
SBRWK3	Level 3	KYNAR® Painted, Customer to Specify

Minimum order: 1 each.

SPECIFICATIONS:

Material: .125" (3 mm) Thick Extruded Aluminum Alloy

Finishes: Satin Anodized, Bronze Anodized, Custom Anodized, Powder Painted Colors or Custom KYNAR® Painted Colors

Glazing: 1-1/4" (32 mm) Level 1 Acrylic; 1-1/4" (32 mm) Level 3 Lexgard®

Options: Laminated or Stainless Steel Counter; Deal Tray; Speak-Thru; Keyed Lock; Burglar Bar, Surrounding Fixed Lites; Transoms

Configurations*: 0X or X0, 0X0, X0X

* Determined from Clerk's Side: X = Sliding Panel; 0 = Fixed Panel

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. You can also e-mail at **transaction@crlaurence.com**.

Lexgard is a registered trademark of G.A.A.G. LLC.
KYNAR is a registered trademark of Arkema, Inc.

CRL Combination Exchange Windows

- Choice of Clear Package Receiver or Rotary Server for Passing Larger Articles
- Shelf Has Non-Ricochet Bullet Resistant Deal Tray
- Incorporates Surround Sound Voice Transmission System

INTERIOR USE

CRL US ALUMINUM MANUFACTURED IN THE USA

PROTECTION LEVELS
1
2
3

With Clear Package Receiver



With Rotary Server



ONLINE ARCHITECTURAL RESOURCES

Left Hand Models as Illustrated are Standard (Viewed from Customer's Side)

Combination Exchange Windows are two-lite units, one full height and one secured above the package pass-thru. The 36" x 36" (914 x 914 mm) standard size unit is available with a choice of Clear Package Receiver or Rotary Server. The 18" (457 mm) deep bullet resistant shelf is covered with a black plastic laminate. Both units come with a Level 1 Non-Ricochet Bullet Resistant Deal Tray. Perimeter frame is our Standard Inset Frame, and requires a wall thickness of at least 4-7/8" (124 mm). Glazing is 1-1/4" (32 mm) bullet resistant Level 1 Acrylic. Available frame finishes are satin anodized or bronze anodized. Voice transmission is accomplished with Surround Sound. The standard unit is recommended for interior use. Exterior models and custom sizes are available on special order.

SATIN ANODIZED CAT. NO.	BRONZE ANODIZED CAT. NO.	PASS-THRU DEVICE	SIZE (W X H)
CEW3636CPRA	CEW3636CPRDU	Clear Package Receiver	36" x 36" (914 x 914 mm)
CEW3636RSA	CEW3636RSDU	Rotary Server	36" x 36" (914 x 914 mm)

Minimum order: 1 each.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy; Deal Tray: Stainless Steel; Shelf - Wood with Black Plastic Laminate Surface
Glazing: 1-1/4" (32 mm) Level 1 Acrylic
Finishes: Frame - Satin Anodized or Bronze Anodized; Deal Tray - Brushed Stainless Steel; Shelf - Black
Deal Tray: Level 1 Protection

CRL Night Service Window

- Glazed With 1-1/4" (32 mm) Bullet Resistant Level 1 Acrylic
- Stainless Steel Shelf With Non-Ricochet Bullet Resistant Tray

INTERIOR EXTERIOR

CRL US ALUMINUM MANUFACTURED IN THE USA

ONLINE ARCHITECTURAL RESOURCES

PROTECTION LEVELS
1
2
3



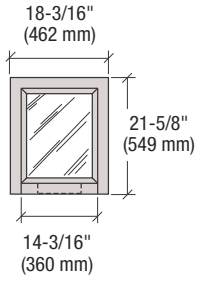
Our Night Service Window is of the kind frequently used for motel registration or 24 hour service station windows. The 16 gauge stainless steel housing is glazed with 1-1/4" (32 mm) bullet resistant acrylic. This is mounted on a 16 gauge stainless steel shelf that measures 14-3/16" (360 mm) wide x 18" (457 mm) deep x 2" (51 mm) thick. The shelf has a Non-Ricochet Bullet Resistant Tray for passing cash, credit cards, keys, etc. The entire unit slides into a wall opening roughly 14-3/4" (375 mm) wide x 20" (508 mm) high. The flange surrounding the wall opening is 2" (51 mm) wide. Custom size units are available to suit your needs. The Standard unit does not have a speak-thru. Voice transmission is via the cash tray. An overhang is recommended for exterior use.

CAT. NO.	OVERALL SIZE (W X D X H)	WALL OPENING SIZE (W X H)
SW101N	18-3/16" x 18" x 21-5/8" (462 x 457 x 549 mm)	14-3/4" x 20" (375 x 508 mm)

Minimum order: 1 each.

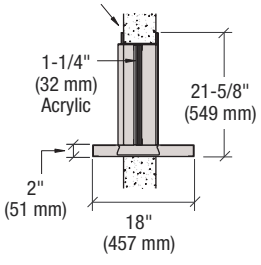
SPECIFICATIONS:

Materials: 16 Gauge Stainless Steel; Clear Acrylic
Glazing: 1-1/4" (32 mm) Level 1 Acrylic
Finish: Brushed Stainless Steel #4 Finish
Deal Tray: Level 1 Protection



Front View

Frame Accommodates Wall Thickness from 4" to 8-1/2" (102 mm to 216 mm)



Side View

CRL BULLET RESISTANT GALLERY











CRL Transparent Bullet Resistant Barrier System

- CRL Can Design and Fabricate a Complete System to Your Needs, or You Can Purchase Components and Build Your Own
- Banks • Casino Cages • Check Cashing • Convenience Stores
- Government Offices • Motels • Pharmacies • Police Stations

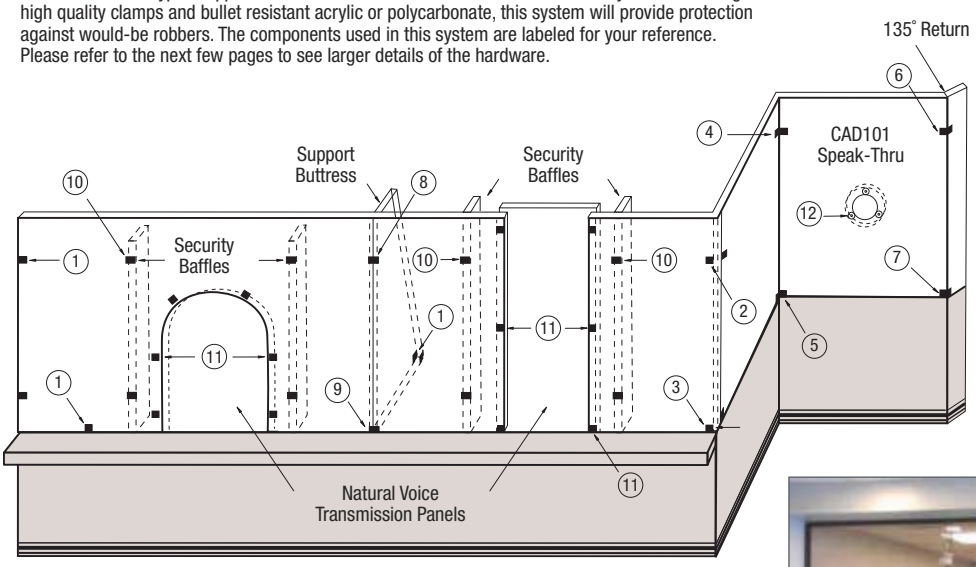
Transparent Bullet Resistant Barrier Systems provide deterrence to would-be robbers. Many different designs can be created depending on your needs. Ten different clamps are available to accommodate most installations. Two-Piece Snap Together Sash and U-Channel are also available to secure the barrier to the counter and walls (see page T490).

Our in-house diamond edger can finish Acrylic or Lexgard® Panels to provide flat edges with a beautiful water clear finish. Complete systems are available, or you can purchase components separately. Custom clamps and special finishes are available on special order.



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.
You can also e-mail us at **transaction@crlaurence.com**.

Shown below are typical applications for C.R. Laurence Bullet Resistant Barrier Systems. Utilizing high quality clamps and bullet resistant acrylic or polycarbonate, this system will provide protection against would-be robbers. The components used in this system are labeled for your reference. Please refer to the next few pages to see larger details of the hardware.







CAT. NO.	DESCRIPTION	POSITION
PB001	U-Clamp	1
PB002	90 Degree Outside Top or Mid-Mount Clamp	2
PB003	90 Degree Outside Bottom Mount Clamp	3
PB004	90 Degree Inside Top or Mid-Mount Clamp	4
PB005	90 Degree Inside Bottom Mount Clamp	5
PB006	135 Degree Outside Top or Mid-Mount Clamp	6
PB007	135 Degree Outside Bottom Mount Clamp	7
PB008	Top or Mid-Mount T-Clamp	8
PB009	Bottom Mount T-Clamp	9
PB010	Buttress or Baffle Clamp	10
PB011	Surround Sound Spacer	11
CDS3S	Surround Sound Studs	12

See the following pages for details on individual Clamps.

CUSTOM BARRIER SYSTEMS

CAT. NO.	BULLET RESISTANCE	DESIGN	GLAZING
PBS1	Level 1	Specify	Acrylic 1-1/4" (32 mm)
PBS2	Level 2	Specify	Acrylic 1-3/8" (35 mm)
PBS3	Level 3	Specify	Lexgard® 1-1/4" (32 mm)

Minimum order: 1 each.

Lexgard is a registered trademark of G.A.A.G. LLC.

CRL Bullet Resistant Protective Barrier Clamps

ONLINE ARCHITECTURAL RESOURCES

- Create Your Own Complete Barrier System With CRL Components

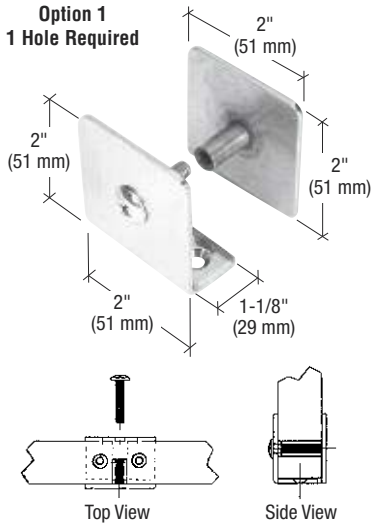
CRL Protective Barrier Clamps are made to secure bullet resistant barrier systems in high-security applications. All clamps are made of high quality stainless steel to provide reliable security, are available in a variety of finishes, and provide an attractive design to your installation. Custom Clamps are available on special order for 3/4" (19 mm) thick glazing material.

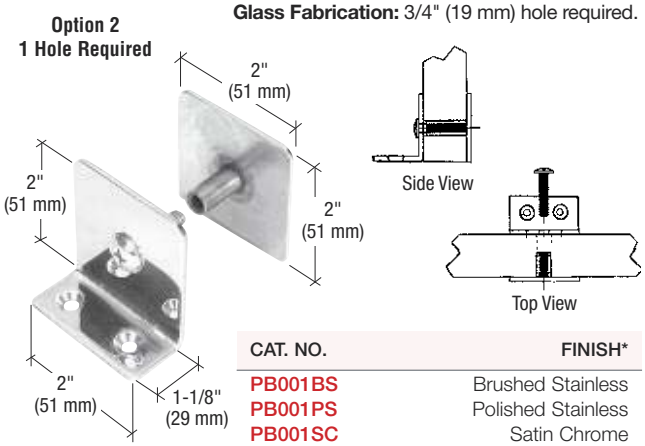
SPECIFICATIONS:
Material: 11 Gauge Stainless Steel
Finishes: Brushed Stainless, Polished Stainless, Satin Chrome
Glazing: Use with 1-1/4" (32 mm) Acrylic or 1-1/4" (32 mm) Polycarbonate
Includes: Mounting Screws, Instructions
Glass Fabrication: 3/4" (19 mm) hole required.

U-Clamp

This U-Clamp is made to secure bullet resistant acrylic or polycarbonate. U-Clamps are made to mount directly to the wall, ceiling or counter. One screw secures the glazing material, and two screws secure the clamp to the surface.

Two different mounting options are available. Option 1 requires a notch for the base mounting plate if the glazing material is to sit flush on the surface. If glazing material is not notched for the base mounting plate an 1/8" (3 mm) gap will be created. Option 2 does not require notch to have the glazing material sit flush on the surface.



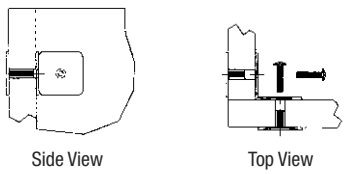


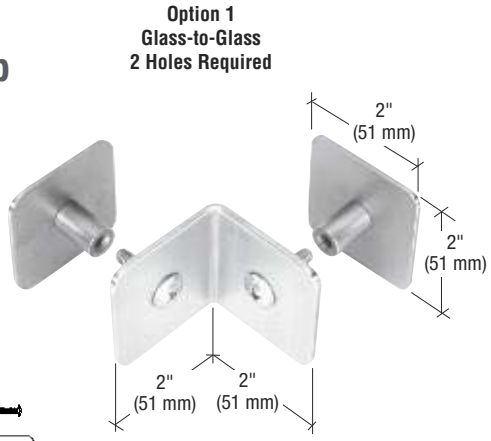
CAT. NO.	FINISH*
PB001BS	Brushed Stainless
PB001PS	Polished Stainless
PB001SC	Satin Chrome

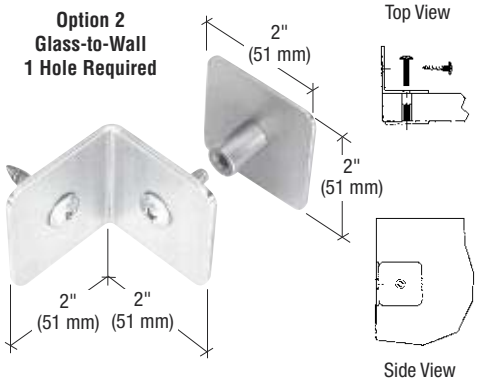
Minimum order: 1 each. * Other finishes are available on special order.

90 Degree Top or Mid-Mount Outside Clamp

This 90 Degree Top or Mid-Mount Outside Clamp has two different mounting options. Option 1 is used in a glass-to-glass installation. Option 2 is used in a glass-to-wall installation.





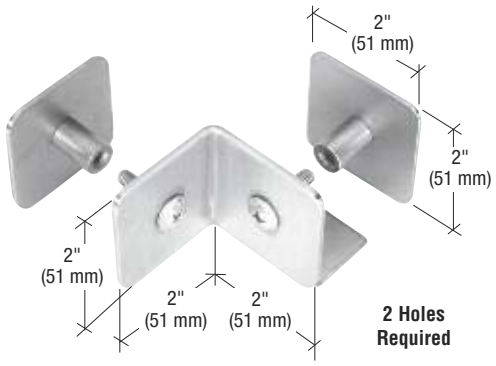


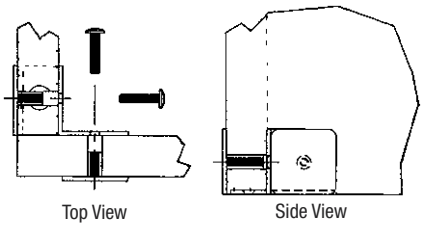
CAT. NO.	FINISH*
PB002BS	Brushed Stainless
PB002PS	Polished Stainless
PB002SC	Satin Chrome

Minimum order: 1 each. * Other finishes are available on special order.

90 Degree Bottom Mount Outside Clamp

This 90 Degree Bottom Mount Outside Clamp is made to secure bullet resistant acrylic or polycarbonate to the counter surface. Two screws secure the glazing material, and one screw secures the clamp to the counter surface. If the glazing material will sit flush on the counter, a notch for the base mounting plate is required. If the glazing material is not notched for the base mounting plate an 1/8" (3 mm) gap will be created.





CAT. NO.	FINISH*
PB003BS	Brushed Stainless
PB003PS	Polished Stainless
PB003SC	Satin Chrome

Minimum order: 1 each. * Other finishes are available on special order.

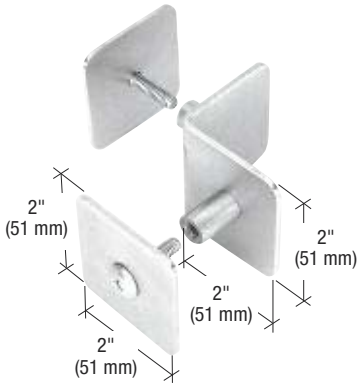
CRL Bullet Resistant Protective Barrier Clamps

CRL US ALUMINUM MANUFACTURED IN THE USA

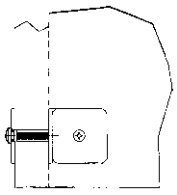
ONLINE ARCHITECTURAL RESOURCES

90 Degree Top or Mid-Mount Inside Clamp

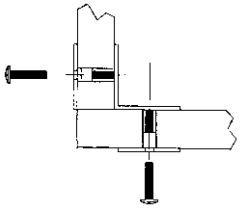
This 90 Degree Top or Mid-Mount Inside Clamp is made to secure bullet resistant acrylic or polycarbonate. Two screws secure the glazing material to the clamp.



2 Holes Required



Side View



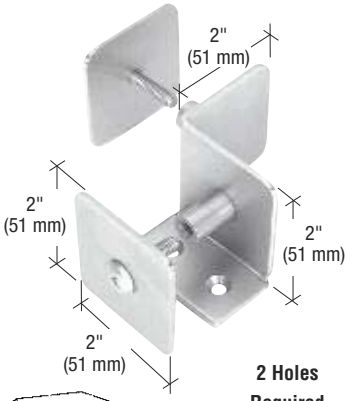
Top View

CAT. NO.	FINISH*
PB004BS	Brushed Stainless
PB004PS	Polished Stainless
PB004SC	Satin Chrome

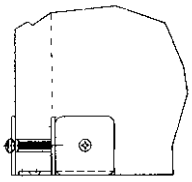
Minimum order: 1 each. * Other finishes are available on special order.

90 Degree Bottom Mount Inside Clamp

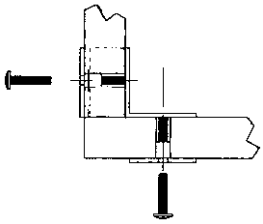
This 90 Degree Bottom Mount Inside Clamp is made to secure bullet resistant acrylic or polycarbonate to the counter surface. Two screws secure the clamp to the glazing material, and two screws secure the clamp to the counter surface. For the glazing material to sit flush on the counter, a notch for the base mounting plate is required. If the glazing material is not notched for the base mounting plate an 1/8" (3 mm) gap will be created.



2 Holes Required



Side View

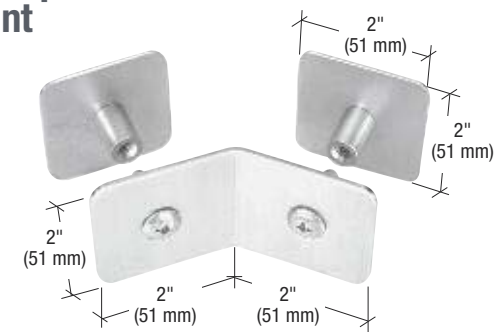


Top View

CAT. NO.	FINISH*
PB005BS	Brushed Stainless
PB005PS	Polished Stainless
PB005SC	Satin Chrome

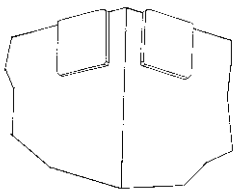
Minimum order: 1 each. * Other finishes are available on special order.

135 Degree Top or Mid-Mount Outside Clamp

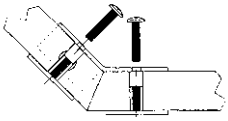


This 135 Degree Outside Top or Mid-Mount Clamp is made to secure bullet resistant acrylic or polycarbonate. Two screws secure the glazing material to the clamp.

2 Holes Required



Outside View

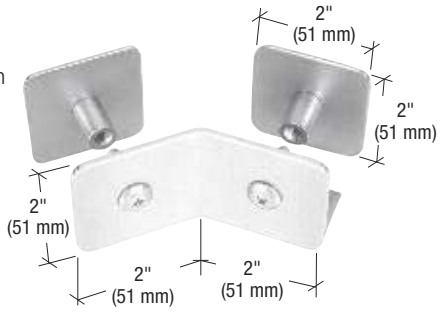


Top View

CAT. NO.	FINISH*
PB006BS	Brushed Stainless
PB006PS	Polished Stainless
PB006SC	Satin Chrome

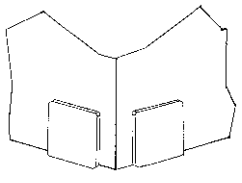
Minimum order: 1 each. * Other finishes are available on special order.

135 Degree Bottom Mount Outside Clamp

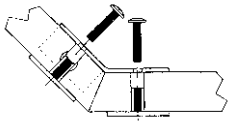


This 135 Degree Bottom Mount Outside Clamp is made to secure bullet resistant acrylic or polycarbonate to the counter surface. Two screws secure the glazing material, and two screws secure the clamp to the counter surface. If the glazing material will sit flush on the counter, a notch for the base mounting plate is required. If the glazing material is not notched for the base mounting plate an 1/8" (3 mm) gap will be created.

2 Holes Required



Outside View



Top View

CAT. NO.	FINISH*
PB007BS	Brushed Stainless
PB007PS	Polished Stainless
PB007SC	Satin Chrome

Minimum order: 1 each. * Other finishes are available on special order.

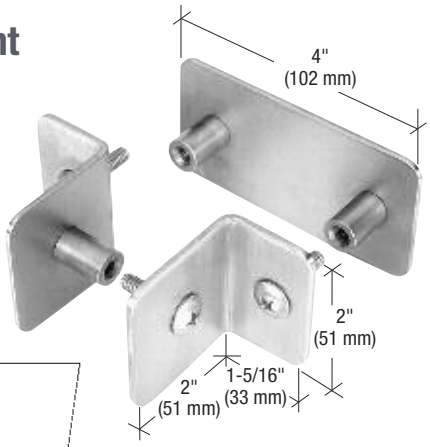
CRL Bullet Resistant Protective Barrier Clamps

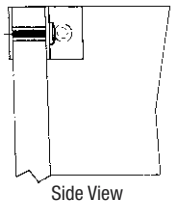
CRL US ALUMINUM MANUFACTURED IN THE USA

ONLINE ARCHITECTURAL RESOURCES

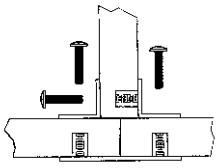
Top or Mid-Mount T-Clamp

This Top or Mid-Mount T-Clamp is made to secure bullet resistant acrylic or polycarbonate. Three screws secure the glazing material to the clamp.




Side View

3 Holes Required

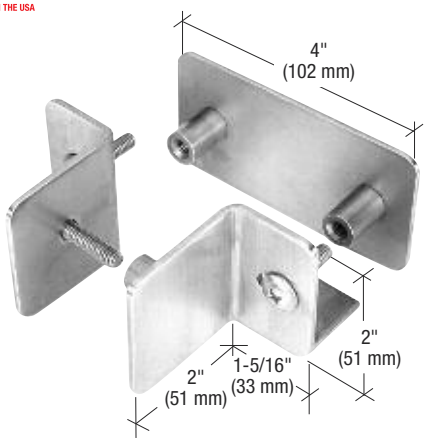

Top View

CAT. NO.	FINISH*
PB008BS	Brushed Stainless
PB008PS	Polished Stainless
PB008SC	Satin Chrome

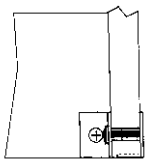
Minimum order: 1 each. * Other finishes are available on special order.

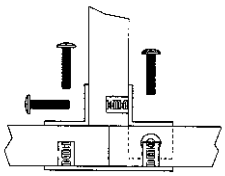
Bottom Mount T-Clamp

This Bottom Mount T-Clamp is made to secure bullet resistant acrylic or polycarbonate to the counter surface. Three screws secure the glazing material, and one screw secures the clamp to the counter surface. If the glazing material will sit flush on the counter, a notch for the base mounting plate is required. If the glazing material is not notched for the base mounting plate an 1/8" (3 mm) gap will be created.



3 Holes Required


Side View

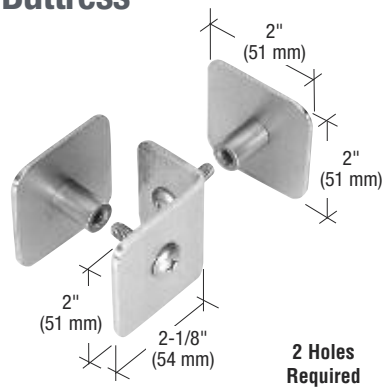

Top View

CAT. NO.	FINISH*
PB009BS	Brushed Stainless
PB009PS	Polished Stainless
PB009SC	Satin Chrome

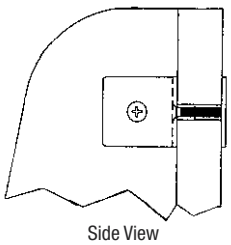
Minimum order: 1 each. * Other finishes are available on special order.

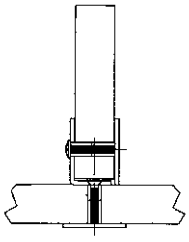
Top or Mid-Mount Buttress or Baffle Clamp

This Top or Mid-Mount Clamp is made to secure bullet resistant acrylic or polycarbonate buttress or baffle panels. Two screws secure the glazing material; one in the buttress or baffle, one in the main glazing panel.



2 Holes Required


Side View


Top View

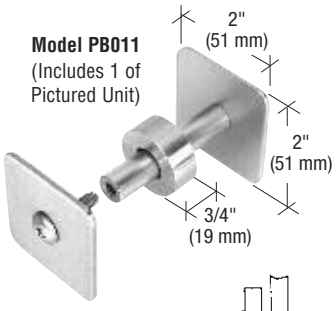
CAT. NO.	FINISH*
PB010BS	Brushed Stainless
PB010PS	Polished Stainless
PB010SC	Satin Chrome

Minimum order: 1 each. * Other finishes are available on special order.

Surround Sound Spacers

These Surround Sound Spacers are designed for use with bullet resistant acrylic or polycarbonate. Stainless Steel Spacers separate a secondary glazing panel from a primary glazing panel to provide natural voice communication. Two different styles are available: The PB011, with square end caps, is used if you want to match other CRL Barrier Clamps; the CDS3S, with 1-1/4" (32 mm) diameter end caps, is used if you want to add a different look to your application.

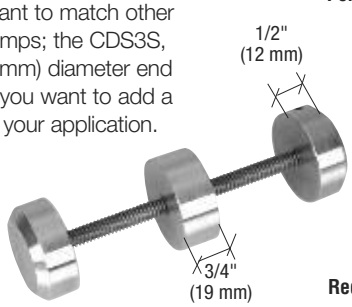
Model PB011
(Includes 1 of Pictured Unit)



1 Hole Required Per Stud


Side View

Model CDS3S
(Includes 3 of Pictured Unit)




Side View

Each Glazing Panel Requires 1 Hole Per Stud

CAT. NO.	CAP TYPE	FINISH*
PB011BS	Square	Brushed Stainless
PB011PS	Square	Polished Stainless
PB011SC	Square	Satin Chrome
CDS3S	Round	Brushed Stainless

Minimum order: 1 each. * Other finishes are available on special order. All PB Spacers require 3/4" (19 mm) holes. CDS3S Spacers require 5/16" (8 mm) holes.

CRL Two-Piece Snap Together Sash and U-Channel for Bullet Resistant Glazing

- Versatile Aluminum Extrusions for the Fabrication or Trim of Vision Windows and Bullet Resistant Barriers
- Satin Anodized and Bronze Anodized Finishes
- For 1-1/8" to 1-3/8" (28 to 35 mm) Glazing
- Includes EPDM Glazing Gaskets
- Easy to Install End Caps Conceal Cut Ends

ONLINE ARCHITECTURAL RESOURCES

CRL US ALUMINUM MANUFACTURED IN THE USA

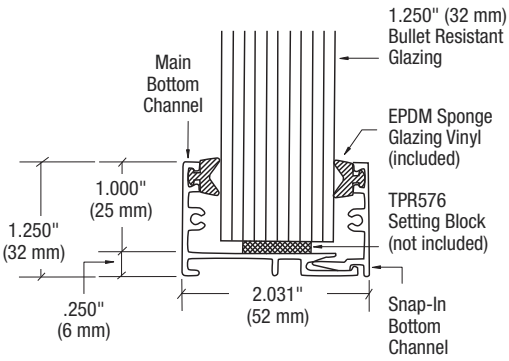


Typical Bullet Resistant Barrier with Snap Together Sash on Top and 1-1/4" (32 mm) Aluminum U-Channel on Bottom

CRL Two-Piece Snap Together Sash



Two-Piece Sash





End Cap

This Two-Piece Snap Together Sash is made to secure bullet resistant acrylic, polycarbonate or glass into an opening. It can be used as a perimeter frame to mount glazing directly to a wall, ceiling or counter surface. Typical uses include counter or jamb mounted Bullet Resistant Protective Barriers or Full Framed Vision Windows. The Snap Together Sash is not rated bullet resistant. Protection is achieved by the glazing material it surrounds. Optional End Caps conceal cut ends.

CAT. NO.	DESCRIPTION	FINISH	STOCK LENGTH
PB014A	Two-Piece Sash	Satin Anodized	12 Ft. (3.66 m)*
PB014DU	Two-Piece Sash	Bronze Anodized	12 Ft. (3.66 m)*
PB015A	End Cap w/Screws	Satin Anodized	–
PB015DU	End Cap w/Screws	Bronze Anodized	–

Minimum order for PB014 is 1 stock length; for PB015 is 1 each. *24 foot (7.3 m) lengths can be special ordered for Will Call only at CRL Warehouses. Finishes can be combined for quantity pricing.

CRL 1-1/4" Aluminum U-Channel

- Satin Anodized and Bronze Anodized Finish Extruded Aluminum Used to Secure or Conceal the Edge of Acrylic Glazing Up to 1-1/4" (32 mm) Thick



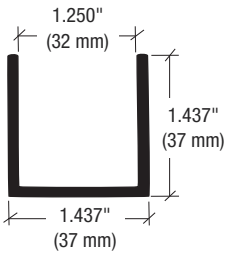
Satin Anodized



Bronze Anodized



Shown in Typical Installation Above Deal Tray



This 1-1/4" (32 mm) Aluminum U-Channel is made to secure or conceal the edge of bullet resistant acrylic. Typical uses include mounting glazing panels above Deal Trays and Transaction Drawers, or securing the base of buttresses and baffles to the counter surface when fabricating Bullet Resistant Barrier Systems.

NOTE: Not designed for 1-1/4" (32 mm) BR Lexgard® Level 3. Custom Aluminum U-Channel can be special ordered for nominal 1-1/4" (32 mm) bullet resistant polycarbonate which may be too thick for SV643. Contact CRL Transaction Technical Sales for details.

CAT. NO.	DESCRIPTION	FINISH	STOCK LENGTH
SV643A	1-1/4" U-Channel	Satin Anodized	12 Ft. (3.66 m)
SV643DU	1-1/4" U-Channel	Bronze Anodized	12 Ft. (3.66 m)

Minimum order: 1 stock length. Finishes can be combined for quantity pricing. A Packaging Charge will be added to orders of fewer than six stock lengths.

Lexgard is a registered trademark of G.A.A.G. LLC.

CRL Bullet Resistant Fiberglass Panels

ONLINE ARCHITECTURAL RESOURCES

MSDS ONLINE



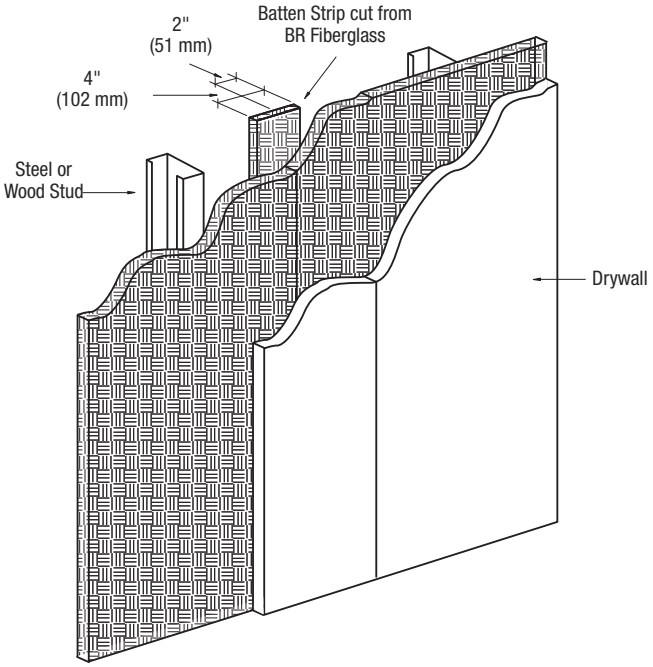
Seattle Justice Center, WA - Installation by J S Perrott & Co.

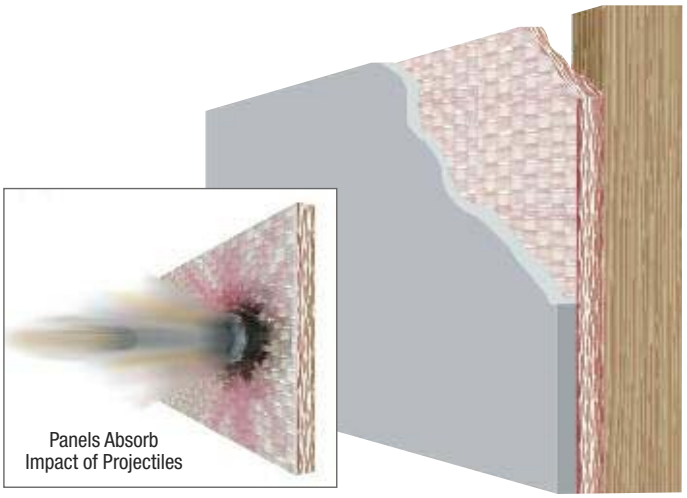
- Protective Panels for Lining Doors and Walls Surrounding Security Enclosures
- Reinforced Structural Polyester Provides Level 1, Level 2, or Level 3 Protection
- Used in Doors and Walls of Security Enclosures, Bank Teller Counters, Ticket Booths, Judge's Benches, Cashier Booths, Etc.

Bullet Resistant Fiberglass Panels installed behind wood laminate

Bullet Resistant Fiberglass Panels are flat sheets of a polyester laminate reinforced with a fiberglass scrim to create a material with superior durability. The densely packed structure of the panel exhibits an excellent capability to absorb multiple impacts from high velocity projectiles, limiting ricochet or shattering. They meet the standards of U.L.752 Ballistic Performance Requirements Test, as well as all bullet resistant test requirements set forth by the National Institute of Justice.

Typical applications include the lining of bank teller counters, ticket booths, judge's benches, doors and walls of secure enclosures, and other structures where concealed panels will add to the safety of service personnel. Panels are high pressure molded into standard 96" x 48" (2.44 x 1.22 m) size sheets. Cutting and drilling can be done using commonly available tools (see Specifications).





SPECIFICATIONS:

Material: Reinforced Structural Polyester Laminate with Fiberglass Scrim
Finish: Panels may be covered with vinyl, or clad with plastic laminate.
Cutting: Can be accomplished with a Circular Saw, Table Saw, Panel Saw or Saber Saw. We recommend the use of Carbide "Grit Edge" Blades for ease of cutting, such as CRL Cat. No.'s GC703 or GJ1010.
Drilling: Use High Speed Steel Drill Bits at a low speed.

PROTECTION LEVELS



Higher protection levels available on request

CAT. NO.	BULLET RESISTANCE*	PANEL THICKNESS	PANEL SIZE	PANEL WEIGHT	IMPACT VELOCITIES*
BRF100	1 M.P.S.A.	1/4" (6 mm)	96" x 48" (2.44 m x 1.22 m)	84 Lbs. (38 kg)	1250 Ft./Sec.
BRF200	2 H.P.S.A.	3/8" (10 mm)	96" x 48" (2.44 m x 1.22 m)	110 Lbs. (50 kg)	1395 Ft./Sec.
BRF300	3 S.P.S.A.	7/16" (11 mm)	96" x 48" (2.44 m x 1.22 m)	138 Lbs. (62 kg)	1470 Ft./Sec.

Minimum order: 1 each. * Levels per U.L. 752 Ballistic Performance Requirements Test Specifications. Must ship via common carrier.
A Handling Charge will be added to orders of fewer than 3 combined sheets.

CRL BULLET RESISTANT DOORS

CRL Full Vision Bullet Resistant Doors and Frames

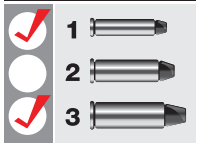
NEW!

ONLINE INSTALLATION RESOURCES

- Available in Level 1 and Level 3 Glazing Protection
- Continuous Geared Hinge
- Made to Order Per Job Specifications
- Maximum Door Size: 48" X 96" (1219 X 2438 mm)
- Door and Frame Ships as a Complete Assembly
- Door Frames Available in Satin Anodized, Bronze Anodized, or Powder Painted
- Prepped for Surface Mount Door Closer and Lockset

CRL US ALUMINUM MANUFACTURED IN THE USA

PROTECTION LEVELS



INTERIOR USE



CRL Full Vision Bullet Resistant Doors and Frames are designed and manufactured using a single panel of bullet resistant acrylic. This is the perfect door for financial institutions, convenience stores, and check cashing facilities. CRL recommends that these doors be used in conjunction with bullet resistant walls. Aluminum frame offers Level 3 protection.

For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., or (877) 421-6144 from Canada. You can also e-mail us at **transaction@crlaurence.com**.

SPECIFICATIONS:

Materials: Frame - .125" (3 mm) Thick Extruded Aluminum Alloy Level 3
Glazing: Polycast™ SAR™ MP1.25 1-1/4" (32 mm) Level 1 Acrylic; Polycast™ SAR™ SP1.25 1-1/4" Level 3 Acrylic
Finishes: Frame - Satin Anodized, Bronze Anodized, or Powder Paint Colors

CAT. NO.	DESCRIPTION*
FVBRD1	Full Vision Level 1 Bullet Resistant Door
FVBRD3	Full Vision Level 3 Bullet Resistant Door

Minimum order: 1 each. *Must specify Door Size, Frame Finish, and Handing at time of order.

CRL Aluminum Bullet Resistant Entrance Doors and Frames

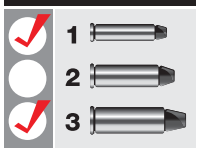
NEW!

ONLINE INSTALLATION RESOURCES

- Level 1 and 3 Glazing Protection Available
- 4-5/8" (118 mm) Bullet Resistant Lined Aluminum Stiles
- Continuous Geared Hinge or Butt Hinges Available
- Made to Order Per Job Specifications
- 7-5/16" (186 mm) Bottom Rail
- 10" (254 mm) A.D.A. Bottom Rail Option
- Door and Frame Ships as a Complete Assembly
- Satin Anodized, Bronze Anodized, and Powder Painted Finishes Available

CRL US ALUMINUM MANUFACTURED IN THE USA

PROTECTION LEVELS



INTERIOR EXTERIOR



CRL Bullet Resistant Entrance Systems are engineered and successfully tested to withstand Level 1 or 3 handgun projectiles as defined by UL752 Ballistic Standards. These unique Entrance Systems feature screw spline assembly for panel erection, and bullet resistant fiberglass reinforced mullions. Single glass stop glazing system for clean sightlines. Welded corner construction for maximum strength. Aluminum frame offers Level 3 protection. Made in the U.S.A.

SPECIFICATIONS:

Materials: Frame - 2-1/2" x 5" (64 x 127 mm) 6063-T5 Aluminum, Level 3
Glazing: 1-3/16" (30 mm) Level 1 Glass; 1-1/4" (32 mm) Level 1 Acrylic; 1-1/4" (32 mm) Level 3 Lexgard®
Finishes: Frame - Satin Anodized, Bronze Anodized, or Powder Paint Colors

CAT. NO.	DESCRIPTION*
ABRD1	Aluminum Level 1 Bullet Resistant Door
ABRD3	Aluminum Level 3 Bullet Resistant Door

Minimum order: 1 each. *Must specify Door Size, Frame Finish, and Handing at time of order.

CRL Bullet Resistant Doors and Frames

INTERIOR EXTERIOR



Shown With Optional Cat. No. N666 Speak-Thru

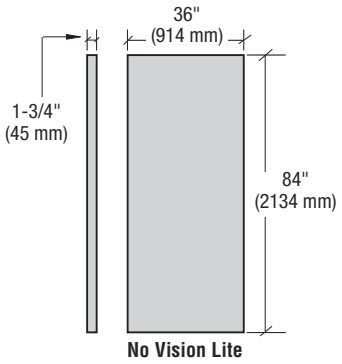
- Stock and Custom Sizes Available With or Without Vision Lite
- Level 1 or Level 3 Protection Available
- Higher Protection Levels Available Upon Request
- Order Form Available Online at **crlaurence.com/bullet-resistant**

Bullet Resistant Doors and Frames are for interior or exterior use, and are manufactured to meet U.L.752 Level 1 or Level 3 Protection. Available with or without Vision Windows, all doors and frames are fabricated from prime quality cold rolled steel, and include a baked-on rust inhibitive oxide primer. Vision Windows are glazed with bullet resistant glass.

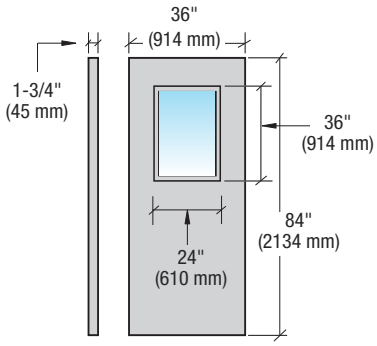
Standard components include: Continuous Geared Aluminum Hinge; Surface Mounted Door Closer; Keyed Cylinder Lock; Standard Lever Handles. Custom sizes, higher protection levels, colors and options like adding a N666 Speak Thru in the Vision Lite are available on special order. **NOTE:** Exterior use requires a threshold, which must be ordered separately.

For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., or (877) 421-6144 from Canada. You can also e-mail us at **transaction@crlaurence.com**.

Door Types

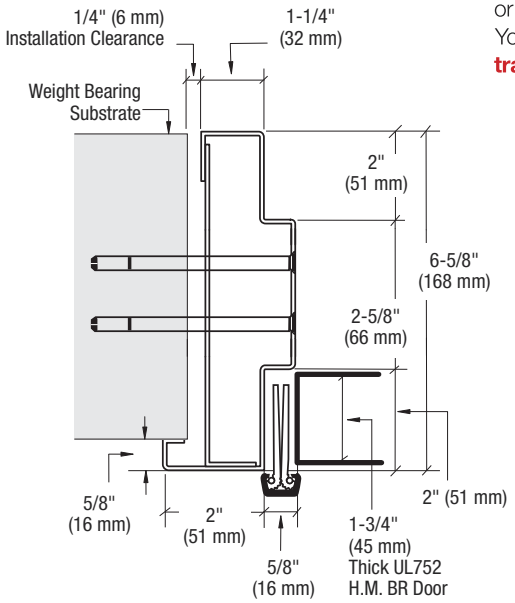


No Vision Lite



With Vision Lite

Door Frame





ONLINE ARCHITECTURAL RESOURCES

NOTE: For a quote or to order a Bullet Resistant Door a helpful form is available at **crlaurence.com/bullet-resistant**. Please fill it out and then fax it to CRL Transaction Technical Sales at (800) 458-7496 in the U.S., or (323) 584-5289 from outside of the U.S.

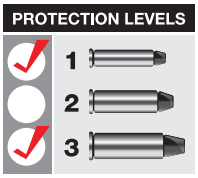
SPECIFICATIONS:

Materials: Frame - 14 Gauge Steel; Door - 16 Gauge Steel
Glazing: 1-5/16" (33 mm) Level 1 Glass; 1-7/8" (48 mm) Level 3 Glass
Finish: Prime Painted

CAT. NO.	DESCRIPTION	DOOR SWING	BULLET RESISTANCE	OVERALL SIZE (W x H)	OPENING SIZE (W x H)
BRDR1	Door - No Vision Lite	RH	Level 1	36" x 84" (914 x 2134 mm)	39" x 85-1/2" (991 x 2172 mm)
BRDRV1	Door With Vision Lite	RH	Level 1	36" x 84" (914 x 2134 mm)	39" x 85-1/2" (991 x 2172 mm)
BRDL1	Door - No Vision Lite	LH	Level 1	36" x 84" (914 x 2134 mm)	39" x 85-1/2" (991 x 2172 mm)
BRDLV1	Door With Vision Lite	LH	Level 1	36" x 84" (914 x 2134 mm)	39" x 85-1/2" (991 x 2172 mm)
BRDR3	Door - No Vision Lite	RH	Level 3	36" x 84" (914 x 2134 mm)	39" x 85-1/2" (991 x 2172 mm)
BRDRV3	Door With Vision Lite	RH	Level 3	36" x 84" (914 x 2134 mm)	39" x 85-1/2" (991 x 2172 mm)
BRDL3	Door - No Vision Lite	LH	Level 3	36" x 84" (914 x 2134 mm)	39" x 85-1/2" (991 x 2172 mm)
BRDLV3	Door With Vision Lite	LH	Level 3	36" x 84" (914 x 2134 mm)	39" x 85-1/2" (991 x 2172 mm)

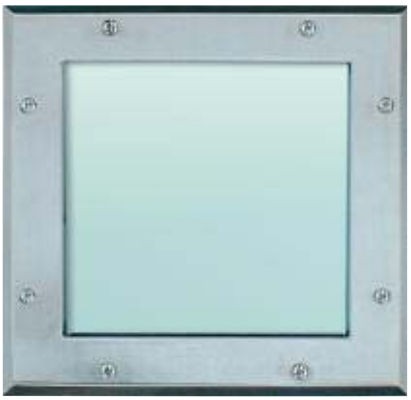
Minimum order: 1 each.

PROTECTION LEVELS



Higher protection levels available on request

CRL Vision Window Frame for Bullet Resistant Doors



Interior View

- Each Unit is Customized and Fabricated to Fit Your Specified Opening
- Available Without Glazing or With Your Choice of Bullet Resistant Glazing
- Brushed Stainless Steel Finish
- Available With Speak-Thru and Pass-Thru Accessories



This stainless steel Vision Window Frame allows the addition of a Vision Window to almost any door. Commonly used in security applications, Vision Windows provide a means of viewing people before allowing access into a secured area. Vision Windows are for interior or exterior use, and are available with your choice of bullet resistant glazing. Manufactured from 11 gauge stainless steel with a brushed #4 finish, Vision Window Frames are fabricated in sizes to fit your specified opening. They can also be custom made with Speak-Thru and Pass-Thru accessories.

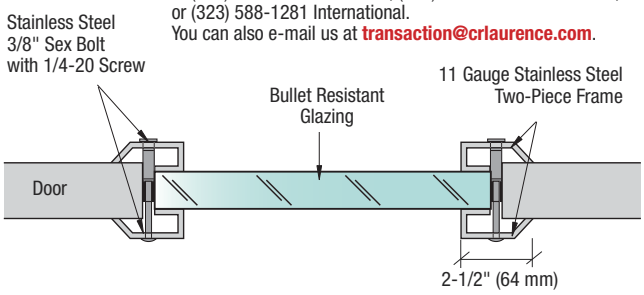
For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International.
You can also e-mail us at **transaction@crlaurence.com**.

SPECIFICATIONS:

Materials: 11 Gauge Stainless Steel
Glazing: Choice of Bullet Resistant Glazing Up to 2-1/4" (57 mm) Maximum
Finish: Brushed Stainless Steel #4 Finish
Instructions Included

CAT. NO.	DESCRIPTION	SIZE	DOOR THICKNESS	GLAZING
BRDW2	Vision Window Frame	Specify	Specify	Specify

Minimum order: 1 each.

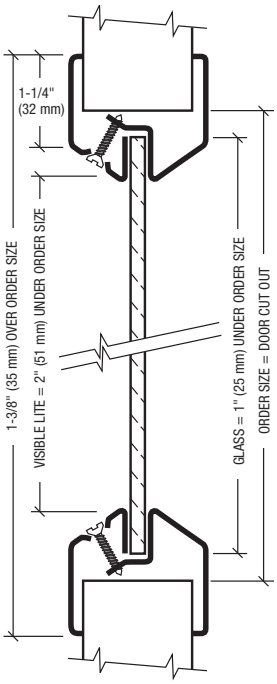


CRL Door Vision Lites - Non Bullet Resistant

- Fire Rated
- For Glazing Thickness of 3/16" to 1/4" (5 to 6 mm)
- Available With or Without Wire Glass
- Bronze Powder Coat Finish

LISTED





CRL's Door Vision Lites are constructed from 20 gauge CRS bronze powder coated frames. They are designed for 1-3/4" (44 mm) thick doors with mitered and welded corners, and a continuous glass retainer. These Vision Lites are listed with both UL and WHI. Custom sizes and finishes are available upon request.

W/O GLASS CAT. NO.	WITH GLASS CAT. NO.	SIZE W X H	USES GLASS SIZE	EXPOSED GLASS
VLFEZ5X35	---	5" x 35" (127 x 889 mm)	4" x 34" (102 x 864 mm)	3" x 33" (76 x 838 mm)
VLFEZ6X27	VLFEZ6X27WS	6" x 27" (152 x 686 mm)	5" x 26" (127 x 660 mm)	4" x 25" (102 x 635 mm)
VLFEZ7X22	VLFEZ7X22WS	7" x 22" (178 x 559 mm)	6" x 21" (152 x 533 mm)	5" x 20" (127 x 508 mm)
VLFEZ7X31	---	7" x 31" (178 x 787 mm)	6" x 30" (152 x 762 mm)	5" x 29" (127 x 737 mm)
VLFEZ8X32	VLFEZ8X32WS	8" x 32" (203 x 813 mm)	7" x 31" (178 x 787 mm)	6" x 30" (152 x 762 mm)
VLFEZ12X12	VLFEZ12X12WS	12" x 12" (305 x 305 mm)	11" x 11" (279 x 279 mm)	10" x 10" (254 x 254 mm)
VLFEZ24X24	VLFEZ24X24WS	24" x 24" (610 x 610 mm)	23" x 23" (584 x 584 mm)	22" x 22" (559 x 559 mm)
VLFEZ24X30	VLFEZ24X30WS	24" x 30" (610 x 762 mm)	23" x 29" (584 x 737 mm)	22" x 28" (559 x 711 mm)
VLFEZ24X32	---	24" x 32" (610 x 813 mm)	23" x 31" (584 x 787 mm)	22" x 30" (559 x 762 mm)
VLFEZ24X36	---	24" x 36" (610 x 914 mm)	23" x 35" (584 x 889 mm)	22" x 34" (559 x 864 mm)
VLFEZ24X56	---	24" x 56" (610 x 1422 mm)	23" x 55" (584 x 1397 mm)	22" x 54" (559 x 1372 mm)
VLFEZ24X60	---	24" x 60" (610 x 1524 mm)	23" x 59" (584 x 1499 mm)	22" x 58" (559 x 1473 mm)
VLF1	---	Specify Custom Size and Powder Coat Finish		

Minimum order: 1 each.

CRL Web Quotes

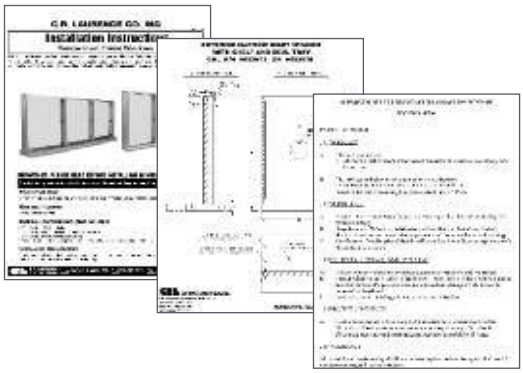
CRL sells over 70,000 products. Many of them are custom made to your specifications. In order to get pricing for custom items a quote must be done. Items that can be quoted in this area range from: Service and Transaction Windows; U.S. Aluminum Entrances, Storefronts and Curtain Walls; Door Rails; Custom Door Handles; Railings and Handrails; Shower Door Hardware; Mirror Frames; Showcases; Partition Posts; and much more. Quotes can also be requested on large quantities of stock items that are above and beyond our normal price breaks.

Simply click on the "Quote Request" link from the **crlaurence.com** web site and follow the instructions. It's that easy.



Drawings, Specifications, and Installation Instructions - How to Get Them

Let CRL be a Team Player on All Your Transaction Hardware Projects



Our web site **crlaurence.com** is designed for easy access to product information and drawings alike! Many products have links for installation instructions, technical drawings, and written product specifications, which can easily be downloaded into your own working documents.

TECHNICAL DETAILS **3-PART SPEC**

Never before have product submittals to architects and general contractors been so easy. CRL wants you to succeed, and by teaming together we feel projects will run smooth, on time, and within budget!

CDT Certification We aim to facilitate project efficiency and proficient communication by providing project stakeholders with comprehensive support from highly trained and certified personnel. Many of our technical and outside sales specialists and project managers have received the Construction Specifications Institute's distinguished Construction Documents Technologist (CDT) Certification. This training and certification has expanded CRL employee's knowledge of the construction project delivery process, allowing them to better serve the architectural and glazing industry with improved support, communication, and efficiency throughout entire project timelines.

AIA Continuing Education Approved Provider CRL has partnered with the American Institute of Architects (AIA) to bring new continuing education courses to architects nationwide. We maintain a steadfast commitment to the design professional, and are leveraging the product expertise of our team to address key performance criteria and design considerations, ensuring architects remain current on the industry's constantly evolving standards and best practices.



Architectural Resources Designed specifically for architects, specifiers, and engineers, crl•••••••:com•provides instant access to CAD details, specifications, Revit models, test reports, image galleries, project case studies, and more.



CRL BULLET RESISTANT GALLERY





















COMMUNICATION AND EXCHANGE HARDWARE

3

PAGES
T497 - T528

Bullet Resistant Deal Trays

Bullet Resistant Speak-Thrus

Cash Drawers

CRL Digital Electronic Communicators NEW!

Deal Drawers

Deal Trays

Electronic Communicators

"Frameless" Mail Slots

Gunports NEW!

Mail Slots

Norcon Electronic Communicators

Package Drops

Package Receivers NEW!

Pass-Thru Hoppers

Pivot Servers NEW!

Rotary Servers

Rotating Drum Servers

Speak-Thrus

Stainless Steel Shelves

Transaction Drawers



CRL US ALUMINUM
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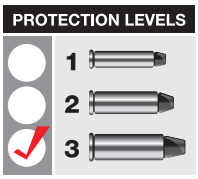
These products and more can be found in this catalog section. On the bottom of each page are direct search instructions for viewing them on our web site. You can also enter the catalog number into the search box for a direct link to the product and others in that category. To view other products, click on the link to our Catalog Library found on the web site home page.

CRL Gunports

NEW!

PAGE T498

- Level 3 Protection in Thru-Glass and Wall Mount Options





Wall Mount Model



Thru-Glass Model



Typical applications include correctional institutions, guard stations, nuclear facilities, banks, financial institutions, and other areas where ballistic protection and response may be required.

CRL Digital Electronic Communicators

PAGES T499-T503

- Clear, Reliable, Hands-Free Two-Way Conversations
- Thru-Glass and Counter Top Models Available
- Bullet Resistant Models Available Up to Level 3



Thru-Glass Model



Counter Top Model

CRL Two-Way Digital Electronic Communicators contains the latest advancements in electronic sound transmission devices. Clear, distortion free two-way conversations can take place through secure barriers as the unit senses sound levels and automatically increases volume when speech on interior side (clerk's side) begins. Easy-to-operate multi-function controls on the clerk's side turn the Communicator on and off, set to mute, and adjust the volume.

CRL Speak-Thrus

PAGES T504-T507

- Allow Natural Voice Transmission
- Bullet Resistant and Non-Bullet Resistant Models

NEW!















Our Speak-Thrus are designed to allow audible transmission of voice requests at ticket windows, box offices, and more. They prevent tampering from the outside. Bullet resistant and non-bullet resistant models are available.

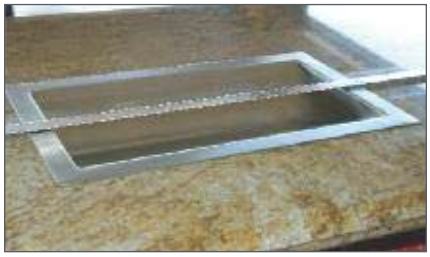
CRL Deal Trays and Stainless Steel Shelves

PAGES T508-T513

- Flush Drop-In and Counter Top Models Available
- Choose From Bullet Resistant or Non-Bullet Resistant Models

CRL Deal Trays and Stainless Steel Shelves are an excellent choice for ticket booths, service stations, and other locations where smaller items are passed. CRL has the widest selection of both Bullet Resistant Deal Trays and Non-Bullet Resistant Deal Trays to complete your project.





CRL Transaction Drawers and Package Receivers

PAGES T514-T522

- Allow for the Transfer of Larger Items
- Popular Thru-Wall and In-Counter Models

The CRL Transaction Drawers and Package Receivers are perfect for convenience stores, gas stations, financial institutions, police stations, jails or detention centers. Stock and custom sizes are available.

NEW!





CRL Mail Slots and Package Drops

PAGES T523-T528

- Conform to All Postal Regulations
- All Mechanisms Totally Concealed
- Multiple Sizes Available

CRL Mail Slots and Package Drops allow customers to drop packages after business hours while maintaining store security.





CRL Thru-Glass Gunport

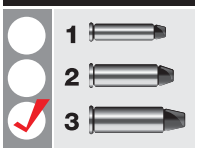
- Level 3 Protection
- For Hand Gun Use
- 8" (203 mm) Diameter Face Plate
- Locking Pivot Plate
- Stainless Steel
- Fits 1-1/4" to 1-7/8" (32 to 48 mm) Thick Bullet Resistant Glazing
- Custom Sizes and Protection Levels on Request

NEW!

CRL's NEW Thru-Glass Gunport is designed to be mounted into bullet resistant glazing ranging from 1-1/4" to 1-7/8" (32 to 48 mm) thick. Typical applications include correctional institutions, guard stations, nuclear facilities, banks, financial institutions, and other areas where ballistic protection and hand gun response may be required. Gunports are shipped with all parts included for field installation. A 6-1/2" (165 mm) diameter hole cut-out is required in the bullet resistant glazing in the desired location. Gunport is fabricated from stainless steel plate. Product is fully assembled and supplied with gaskets and mounting screws. Custom sizes available upon request.



PROTECTION LEVELS



Higher protection levels available upon request

US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

ONLINE INSTALLATION RESOURCES

CAT. NO.	DESCRIPTION
GPTG3	8" (203 mm) Thru-Glass Gunport

Minimum order: 1 each.

CRL Wall Mount Sliding Gunport

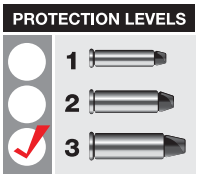
- Level 3 Protection
- Mounts Directly to a Wall
- For Rifle Use
- Self-Closing Slide
- Prime Painted Steel
- Latching Lock
- Custom Sizes and Protection Levels on Request

NEW!

CRL's NEW Wall Mount Sliding Gunport is designed to be mounted into reinforced bullet resistant walls. Typical applications include correctional institutions, guard stations, nuclear facilities, banks, financial institutions, and other areas where ballistic protection and rifle response may be required. This Wall Mount Sliding Gunport has a spring-loaded self-closing slide for ultimate protection. Overall size of the Gunport is 8-9/16" W x 6" H (217 x 152 mm). Gunport is fabricated from prime painted steel plate. Custom sizes available upon request.



PROTECTION LEVELS



Higher protection levels available upon request

US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

ONLINE INSTALLATION RESOURCES

CAT. NO.	DESCRIPTION
GPWM3	Wall Mount Sliding Gunport

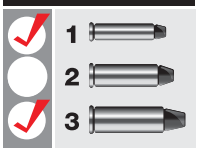
Minimum order: 1 each.

CRL Thru-Glass Two-Way Digital Electronic Communicators

- Allows Clear, Reliable, Hands-Free Two-Way Conversation
- Standard Unit Fits Barriers From 1/4" to 1" (6 to 25 mm) Thick
- Bullet Resistant Models Available Up to Level 3

CRL US ALUMINUM MANUFACTURED IN THE USA

PROTECTION LEVELS





ONLINE INSTALLATION RESOURCES

CRL Thru-Glass Two-Way Digital Electronic Communicators contain the latest advancements in electronic sound transmission devices. Clear, distortion free two-way conversations can take place through secure barriers as the unit senses sound levels and automatically increases volume when speech on interior side (clerk's side) begins. Easy-to-operate multi-function controls on the clerk's side turn the Communicator on and off, set to mute, and adjust the volume.

Different headset styles and other accessories are available. Select either the AC Plug-In Transformer Model, or the DC Rechargeable Battery Powered Model. Units are available as standard or bullet resistant models in satin or black anodized finishes.

CRL Digital Communicators are easy to install. The absence of exterior screws or fasteners make them tamper-resistant. All units are supplied complete with 18" (457 mm) Boom Microphone, power supply, wiring, instructions, and mounting hardware to fit 1/4" to 1" (6 to 25 mm) thick barrier glass. **NOTE**: Can fit up to 2-1/2" (64 mm) thick barrier glass when using the optional thick glass extension screw kit Cat. No. 9EXT. Bullet resistant models include the extension kit. AC models include wiring conduits. DC units include battery and charger.

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. You can also contact us through email at **transaction@crlaurence.com**.



Exterior View
Satin Anodized Finish Shown

Interior View
Standard 18" (457 mm) Boom Microphone Shown

- Available in Satin Anodized and Black Anodized Finishes

GLASS FAB

STANDARD CAT. NO.	BULLET RESISTANCE	POWERED BY	FINISH	EUROPEAN CAT. NO.
9ASA	None	AC Plug-In Transformer	Satin Anodized	EU9ASA
9ABL	None	AC Plug-In Transformer	Black Anodized	EU9ABL
9DSA*	None	DC Rechargeable Battery	Satin Anodized	EU9DSA*
9DBL*	None	DC Rechargeable Battery	Black Anodized	EU9DBL*
9B1ASA	Level 1	AC Plug-In Transformer	Satin Anodized	EU9B1ASA
9B1ABL	Level 1	AC Plug-In Transformer	Black Anodized	EU9B1ABL
9B1DSA*	Level 1	DC Rechargeable Battery	Satin Anodized	EU9B1DSA*
9B1DBL*	Level 1	DC Rechargeable Battery	Black Anodized	EU9B1DBL*
9B3ASA	Level 3	AC Plug-In Transformer	Satin Anodized	EU9B3ASA
9B3ABL	Level 3	AC Plug-In Transformer	Black Anodized	EU9B3ABL
9B3DSA*	Level 3	DC Rechargeable Battery	Satin Anodized	EU9B3DSA*
9B3DBL*	Level 3	DC Rechargeable Battery	Black Anodized	EU9B3DBL*

CAT. NO.	DESCRIPTION
9EXT	1" to 2-1/2" (25 to 64 mm) Thick Glass Extension Kit (included with bullet resistant models)

Minimum order: 1 each. All models can be combined for quantity pricing. * DC units include battery and charger.

SPECIFICATIONS:

Material: 3/16" (5 mm) Thick Billet Aluminum Case
Finishes: Satin Anodized, Black Anodized
Interior Unit Dimensions: 4-1/2" (114 mm) Diameter; 2-1/2" (64 mm) Deep
Exterior Unit Dimensions: 4-1/2" (114 mm) Diameter; 1-3/4" (45 mm) Deep
Barrier/Glazing Thickness Range: 1/4" to 1" (6 mm to 25 mm) Standard; Up to 2-1/2" (64 mm) With Cat. No. 9EXT Optional Extension Screw Kit (included with bullet resistant models)
Power Requirement: 9V DC, 1.2A Nominal
Power Supply/Charger: Input 100-240V AC; 50/60 Hz, 0.35A (Plugs into wall outlet)
Controls: Inside and Outside Volume; Mute; Power
Battery Type: 6V 2200mAH (2.2 Amp Hours) NiMH
100% Duty Time – Per Charge: >12 Hours Per Charge
Charge Time: 3 Hours; Can Be Used While Charging
Glass Fabrication Required: Single 2-1/2" to 3-1/2" (64 mm to 89 mm) Diameter Hole. Adapters Available for Larger Holes
Frequency Response: 200Hz Exterior, 250Hz Interior to 20kHz
Talk Mode: Half-Duplex
Bullet Resistance Options: Level 1 or Level 3

CRL Counter Top Two-Way Digital Electronic Communicators

- Mounts on Counter Top or Under Shelf to Provide Clear Communication Through an Isolation Barrier
- Satin and Black Finishes Available



All of the same electronic design features of the CRL Thru-Glass Two-Way Digital Electronic Communicator are also found in our Counter Top Communicators. There's no need for special glass fabrication, and the sight line between clerk and customer is unobstructed because the wiring can be installed through the perimeter wall, counter top, or window frame extrusions.

Counter Top Digital Electronic Communicators are available in two finishes: satin or black anodized. The Standard 18" (457 mm) Boom Microphone (included) transmits conversation clearly, or you can use the optional Short Plug-In Boom Microphone or Hands-Free Headsets. All units are supplied complete with mounting hardware plus installation and operating instructions.

ONLINE INSTALLATION RESOURCES



Exterior View

Interior View

Standard 18" (457 mm) Boom Microphone Shown

SPECIFICATIONS:

Material: 3/32" (2 mm) Minimum Thickness Extruded Aluminum Case
Finishes: Satin Anodized, Black Anodized
Interior Unit Dimensions: Face at 45 Degrees; Width = 4" (102 mm); Depth = 3-3/8" (86 mm); Height = 2-5/8" (67 mm)
Exterior Unit Dimensions: Face at 45 Degrees; Width = 4" (102 mm); Depth = 2-5/8" (67 mm); Height = 2-5/8" (67 mm)
Power Requirement: 9V DC, 1.2A Nominal (Plugs into wall outlet)
Power Supply: Input 100-240V AC; 50/60Hz, 0.35A
Controls: Inside and Outside Volume; Mute; Power
Frequency Response: 200Hz Exterior / 250Hz Interior to 20kHz
Talk Mode: Half-Duplex

STANDARD CAT. NO.	POWERED BY	FINISH	EUROPEAN CAT. NO.
C9ASA	120V AC Transformer	Satin Anodized	EUC9ASA
C9ABL	120V AC Transformer	Black Anodized	EUC9ABL

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

CRL Under Counter Mounting Bracket

- Allows Under Counter Mounting of Model C9A and EUC9A Counter Top Communicators

This Mounting Bracket allows the C9A Counter Top Communicator to be mounted out of the way under the counter. The Bracket is made of 18 gauge stainless steel, and is provided with security screws for a clean and secure installation. Minimum order is one each.



Shown With C9ASA (Sold Separately)



CAT. NO. 9UCBKT
Under Counter Mounting Bracket

Accessories

CRL Plug-In Boom Microphone

- Excellent Sound Quality
- Easily Removable



This Plug-In Boom Microphone stays put in any position. It extends a full 18" (457 mm) from the body of the Communicator, making it ideal for reaching across counters. The slim design provides clear vision for both the clerk and customer. It mates to the Communicator using an XLR plug for ease of removal. It is a replacement part for the Boom Microphones included with all CRL Digital Electronic Communicators. Minimum order is one each.

SPECIFICATIONS:
Material: Black Anodized Aluminum
Length: 18" (457 mm)
Connector: 3-pin Male XLR Plug
Sensitivity: -42dB
Signal to Noise Ratio: >70dB

CAT. NO. 9M1C

CRL Short Plug-In Boom Microphone

- Optional Equipment for All CRL Digital Electronic Communicators
- Excellent Sound Quality
- Easily Removable

SPECIFICATIONS:
Material: Black Anodized Aluminum
Length: 5" (127 mm)
Connector: 3-pin Male XLR Plug
Sensitivity: -42dB
Signal to Noise Ratio: >70dB



This shorter version of the CRL Plug-in Boom Microphone extends 5" (127 mm) from the body of the Communicator. It is ideal for applications where the clerk must be in very close proximity to the Communicator. It mates to the Communicator using an XLR plug for ease of removal. Minimum order is one each.

CAT. NO. 9M1C5

CRL Microphone Base for CRL Digital Communicators

This base allows the removable microphone to be moved closer to the operator. 72" (1.83 m) long cord plugs into Communicator to extend the reach of the microphone. Microphone sold separately. Longer cords available on special order.



CAT. NO. 9M1CB
Minimum order is one each.

CRL Plug-In Headset

- Boom-Style Microphone for Hands-Free Operation

SPECIFICATIONS:
Connector: 2.5 mm input/output mini-plug
Cord Length: 48" (1219 mm)



This Headset is for one-ear monitoring, with a dynamic noise-canceling boom-style microphone for crisp, accurate vocal pickup. Adjustable for the right or left ear, this Headset has a 2.5 mm Plug. Minimum order is one each.

CAT. NO. 9PHS

CRL Headset Extension Cord

- Extends 9PHS Headset Cord by 60" (1.52 m)
- Works With Any 2.5 mm Jack/Receptacle



CAT. NO. 9PHSX
Minimum order is one each.

CRL Wireless Headset

- Up to 300 Foot (91 m) Range
- 1.9 GHz dect 6.0 Technology

This lightweight CRL Wireless Headset gives you the ability to multi-task up to 300 feet (91 m) from the compact base unit. The low profile, user-friendly design includes volume, mute, and on/off controls at your fingertips. 1.9 GHz dect 6.0 technology provides distortion-free, fully secure communication. The compact base unit recharges the battery in just 90 minutes, for up to 12 hours of talk time, and provides a full 24 hour standby. Comes with 2.5 mm and 3.5 mm Headset Plugs for use with Digital and TTU Series Communicators. Minimum order is one each.

SPECIFICATIONS:
Controls: On/Off; Volume; Mute
Headset Weight: 1.32 Oz. (37.4 g)
Range: 300 ft. (91 m)
Power Supply: 7.5V DC, 700 mA
Battery: 3.7V Li-Ion Rechargeable
Operation Time: 12+ Hours
Charge Time: 90 Minutes
Channels: 24 – Automatic Selection
Compliance: FCC Part 15, CSA, IC: RSS210



CAT. NO. 9WHS

CRL Power Transformer

- For "9" and "C9" Series CRL Electronic Communicators
- Short Circuit Protection
- Low Voltage Output

This UL Approved Class II, direct plug-in wall mounted Transformer features a safe low voltage output that powers the Communicator and charges the Rechargeable Battery. Equipped with short circuit protection and thermal over-heat shutdown. This high performance power supply offers an attractive body style, and is Energy Star, CEC Level IV, and RoHS Compliant. Minimum order is one each.

SPECIFICATIONS:
Material: Plastic
Color: Black
Cord Length: 6 ft. (1.8 m)
Input: 100-240V AC 50/60 Hz 0.35 AMP
Output: 6V DC
Safety Approvals: UL Code UL60950-1
CAN/CSA-C22.2 NO. 950-95
FCC PART 15 Class B

NOTE: 9PWR can be used to power CRL Digital Electronic Communicators in Europe and Australia with the appropriate Plug Adaptor: UK=FWSS414 Europe=EUSS412 Australia=AUWSS416.



CAT. NO. 9PWR

Accessories

CRL Adapter Plates





- Allow Installation of CRL Thru-Glass Two-Way Digital Electronic Communicators Into 4" and 5" (102 and 127 mm) Holes
- Custom Plates Available

These Adapter Plates are used when replacing an existing speak-thru that was installed into a 4" (102 mm) or 5" (127 mm) hole. Inside diameter of Plate is 2-1/2" (64 mm).

KIT INCLUDES:
Two 6" (152 mm) Adapter Plates and Two EPDM Foam Gaskets.

NOTE: For minimum glass thickness of 1/2" (12 mm).

CAT. NO.	FITS	FINISH
9ADP4SA	4" (102 mm) Hole	Satin Anodized
9ADP4BL	4" (102 mm) Hole	Black Anodized
9ADP5SA	5" (127 mm) Hole	Satin Anodized
9ADP5BL	5" (127 mm) Hole	Black Anodized

Minimum order: 1 each

CRL Rechargeable Battery Pack

- For Use With CRL Thru-Glass Two-Way Digital Electronic Communicators
- Easily Snaps Into Place



SPECIFICATIONS:
Battery Type: 6V 2200 mAH (2.2 Amp Hours) NiMH
100% Duty Time – Per Charge: >12 Hours Per Charge
Charge Time: 3 Hours; Can Be Used While Charging

This Rechargeable Battery Pack easily snaps in to replace worn-out battery packs. Typical Battery Pack life is two-to-five years, depending on level of usage.

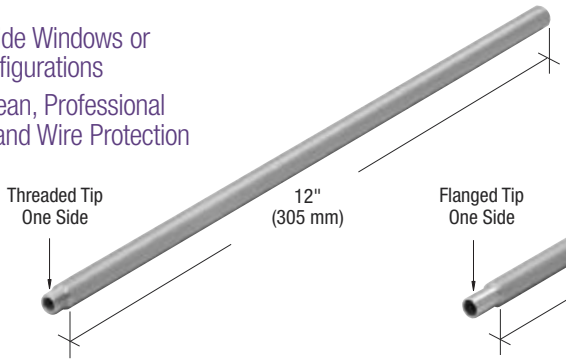
CAT. NO.	DESCRIPTION
9RBAT	Rechargeable Battery Pack

Minimum order: 1 each.

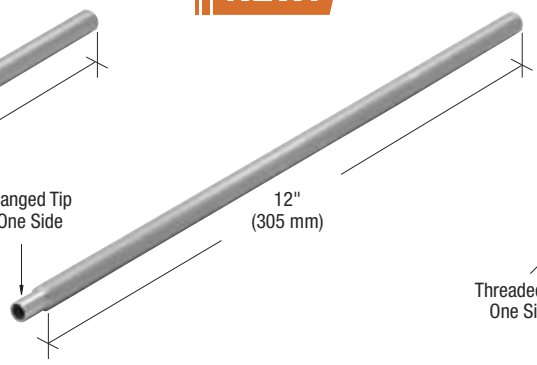
CRL Wire Conduit Extension Tubes

NEW!

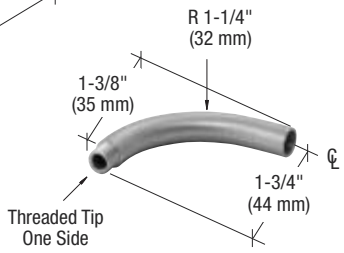
- For Extra Wide Windows or Special Configurations
- Allow for Clean, Professional Installation and Wire Protection



MODEL 9C0NT
3/8" (10 mm) Diameter Straight Tube With Threaded Tip

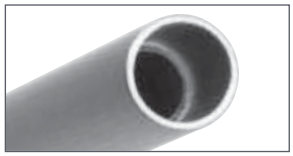


MODEL 9C0NF
3/8" (10 mm) Diameter Straight Tube With Flanged Tip



MODEL 9C0NE
3/8" (10 mm) Diameter 90 Degree Elbow Tube With Threaded Tip

CRL Digital Electronic Communicators (AC Models) come with three Conduit Tubes, and one 90 Degree Elbow to guide wiring from the thru-glass canister to surrounding frame or counter surface. For applications that require extensions of the conduit assembly, these extra Extension Tubes are available.



NOTE: If Tubes are trimmed, use Cat. No. 601516 5/16" Jobber's Length High Speed Drill Bit to route Tube's end to receive flange or threaded tip of adjoining Tube.

SATIN ANODIZED CAT. NO.	BLACK ANODIZED CAT. NO.	DESCRIPTION
9C0NTSA	9C0NTBL	12" (305 mm) Tube with Threaded Tip
9C0NFSA	9C0NFBL	12" (305 mm) Tube with Flanged Tip
9C0NESA	9C0NEBL	90 Degree Elbow

Minimum order: 1 each

CRL Norcon Thru-Glass Two-Way Electronic Communicators

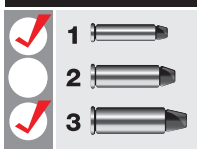


MODEL TTU1AJ
Shown

- Breaks the Acoustical Barrier With Clear, Reliable, Hands-Free Two-Way Conversation
- Standard Unit Fits 1/4" to 1" (6 to 25 mm) Thick Glass
- Satin Anodized Finish

GLASS FAB

PROTECTION LEVELS



GLASS FABRICATION:
Requires 3" to 4" (76 to 102 mm) Hole for Installation
Adapter Available for 5" (127 mm) Holes

The Norcon Thru-Glass Two-Way Electronic Communicator is a self-contained, easily installed device that allows clear, intelligible two-way conversation in locations where security must be maintained. The Norcon Communicator is automatically activated when the clerk speaks for hands-free operation. You can select either the 115V AC model, or the 12V DC battery powered model.

Units are available in Standard or Deluxe Models with satin anodized finish. The Standard Norcon Model has a fixed gooseneck microphone. The Deluxe Norcon Model has a removable gooseneck microphone. Both models include a 3.5 mm receptacle for use with the optional TTU1HS Hands-Free Headset shown below. All Norcon units are supplied complete with mounting hardware, instructions, and power supply. Our Cat. No. TTU1X Extension Kit for glass up to 2-3/4" (70 mm) thick may be ordered separately. **NOTE:** Bullet resistant models are pre-set for thick glazing.

CAT. NO.	DESCRIPTION	BULLET RESISTANCE
TTU1A	115V AC Standard Model	None
TTU1AJ	115V AC Deluxe Model	None
TTU1D	12V DC Standard Model	None
TTU1DJ	12V DC Deluxe Model	None
TTU1AB1	115V AC Standard B.R. Models▲	Level 1
TTU1AJB1	115V AC Deluxe B.R. Models▲	Level 1
TTU1DB1	12V DC Standard B.R. Models▲	Level 1
TTU1DJB1	12V DC Deluxe B.R. Models▲	Level 1
TTU1AB3	115V AC Standard B.R. Models▲▲	Level 3
TTU1AJB3	115V AC Deluxe B.R. Models▲▲	Level 3
TTU1DB3	12V DC Standard B.R. Models▲▲	Level 3
TTU1DJB3	12V DC Deluxe B.R. Models▲▲	Level 3
TTU1X	Thick Glass Extension Kit (Up to 2-3/4" [70 mm] thick)	–
TTU1ADAPTER	Adapter for 5" (127 mm) Hole (Minimum 1/2" [12 mm] Glazing)	–
TTU1PS1	Power Cord/Transformer for AC	–
TTU1PS2	Power Cord/Transformer for DC	–
TTU1GM	Hardwired Gooseneck Microphone (For All Standard TTU Models)	–
TTU1GMJ	Removeable Gooseneck Microphone (For All Deluxe TTU Models)	–

Minimum order: 1 each. All models can be combined for quantity pricing.
▲ Level 1 Models pre-set for 1-5/16" (33 mm) glass, and adapt for thicknesses from 1-3/16" to 1-5/8" (30 to 41 mm).
▲▲ Level 3 Models pre-set for 1-7/8" (48 mm) glass, and adapt for thicknesses from 1-3/16" to 1-7/8" (30 to 48 mm).

CRL Norcon Counter Top Two-Way Electronic Communicators

- Ruggedly Constructed and Tamper-Resistant





CAT. NO. TTU1HS
Optional Hands-Free Headset



The Norcon Counter Top Two-Way Electronic Communicator is the unit of choice when it is impractical to cut a hole through a glass isolation barrier. The unit is automatically activated when the clerk speaks. Talk and listen volumes are adjustable by the clerk.

Units are available in Standard or Deluxe Models with a satin anodized finish. The Standard Norcon Model has a fixed gooseneck microphone. The Deluxe Norcon Model has a removable gooseneck microphone. Both models include a 3.5 mm receptacle for use with the optional TTU1HS Hands-Free Headset. All exposed hardware is tamper resistant. Unit operates on 115V AC current.

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. You can also e-mail us at **transaction@crlaurence.com**.

CAT. NO.	DESCRIPTION
TTU3	115V AC Standard Model
TTU3J	115V AC Deluxe Model

Minimum order: 1 each. Models can be combined for quantity pricing. **NOTE:** 12V DC not available in Counter Top Models.

CRL 6" Round Bullet Resistant Speak-Thru

- Made of Heavy Stainless Steel With Brushed Finish
- Level 3 Bullet Resistance (.44 Magnum)

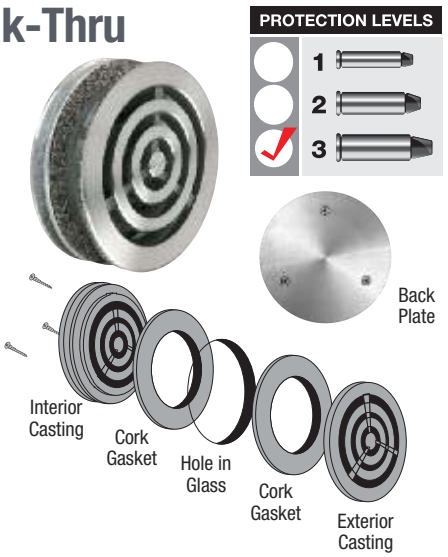
ONLINE ARCHITECTURAL RESOURCES

INTERIOR EXTERIOR

This 6" (152 mm) diameter Speak-Thru is designed for use with bullet resistant glass, acrylic or polycarbonate. Made of heavy stainless steel, the concentric circular louvers are spaced to deflect projectiles entering the cavity between the interior and exterior surfaces. Accommodates glazing thicknesses from 1-3/16" to 1-7/8" (30 to 48 mm). Requires 5" (127 mm) diameter hole. Optional Spacer Rings are available for use with glazing materials less than 1-3/16" (30 mm) thick (see below). Speak-Thru projects 7/8" (22 mm) from interior surface.

CAT. NO.	DESCRIPTION	BULLET RESISTANCE
N666	6" (152 mm) Round Speak-Thru	Level 3

Minimum order: 1 each.





SPECIFICATIONS:
Material: Stainless Steel
Finish: Brushed Stainless Steel
Bullet Resistance: Level 3
Glass Fabrication Required

CRL Optional Spacer Rings for N666 Speak-Thrus

- Allows the Use of N666 Speak-Thru With Glazing Less Than 1-3/16" (30 mm) Thick

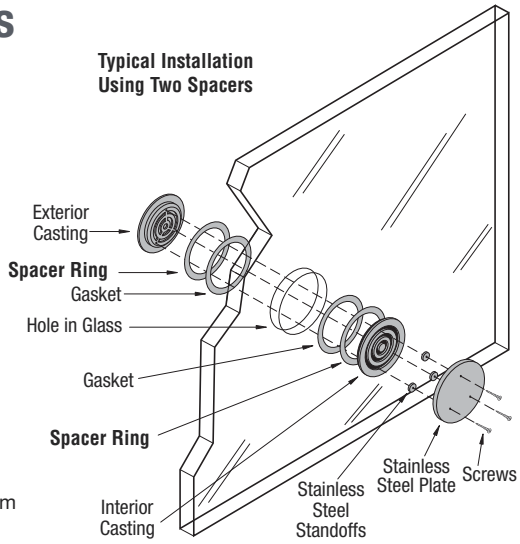
Solid aluminum Spacer Rings are used when installing our N666 Bullet Resistant Speak-Thru in glazing less than 1-3/16" (30 mm) thick. Depending on the thickness of the glazing material, Spacer Kits include either one or two rings. Be sure to check Glazing Thickness Range in chart below before ordering.

CAT. NO.	GLAZING THICKNESS RANGE	SPACERS IN KIT
SR666212	1/4" to 3/8" (6 to 10 mm)	Two 1/2" (12 mm) Thick
SR666238	7/16" to 5/8" (11 to 16 mm)	Two 3/8" (10 mm) Thick
SR666214	11/16" to 7/8" (17 to 22 mm)	Two 1/4" (6 mm) Thick
SR666114	15/16" to 1-1/8" (23 to 29 mm)	One 1/4" (6 mm) Thick

Minimum order: 1 each.



SPECIFICATIONS:
Material: Aluminum
Finish: Brushed Aluminum



CRL 5" and 7" Square Bullet Resistant Speak-Thrus

- Air Space Allows Natural Voice Transmission
- Polished Stainless Steel Finish

INTERIOR USE

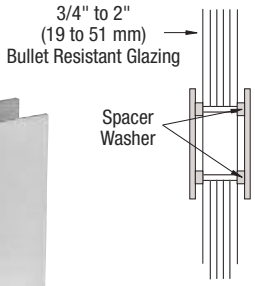
Square Bullet Resistant Speak-Thrus in 5" (127 mm) and 7" (178 mm) are available for Level 2 (.357 Magnum) and Level 3 (.44 Magnum) rated protection. Spacing washers secure the glass through the hole to the front and back plates. Made of heavy stainless steel, Square Bullet Resistant Speak-Thrus will accommodate 3/4" (19 mm) through 2" (51 mm) bullet resistant glass, acrylic or polycarbonate.
NOTE: Barrel washers to cover screws are included, and should be trimmed to prevent over-tightening on glass.

GLASS FABRICATION REQUIRED:
5" (127 mm) Model requires a 4" (102 mm) diameter hole;
7" (178 mm) Model requires a 6" (152 mm) diameter hole.

CAT. NO.	DESCRIPTION	BULLET RESISTANCE
N555	5" (127 mm) Square Speak-Thru	Level 2
N555C3	5" (127 mm) Square Speak-Thru	Level 3
N777	7" (178 mm) Square Speak-Thru	Level 2
N777C3	7" (178 mm) Square Speak-Thru	Level 3

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







PROTECTION LEVELS
1
2
3

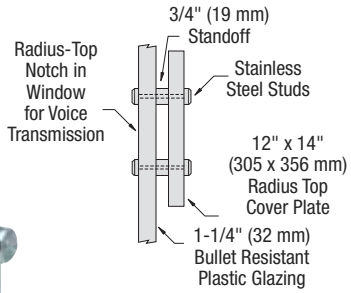
SPECIFICATIONS:
Material: 11 Gauge Stainless Steel
Finish: Polished Stainless Steel
Bullet Resistance:
Level 2 and Level 3
Glass Fabrication Required

CRL Radius Top Clear Vision Bullet Resistant Speak-Thrus

NEW!

- For Use With Bullet Resistant Plastic Glazing Materials Only
- Overlap Prevents Direct Entry of Projectiles While Allowing Natural Voice Transmission
- Virtually Unobstructed Vision
- Stock Size 12" W x 14" H Cover Plate With a 12" Radius Design at Top
- Custom Sizes Available Upon Request







INTERIOR USE

Clear Vision Bullet Resistant Speak-Thrus are easy to install, and designed for use with plastic glazing materials only. The space between the window and disc allows for clear voice transmission. Cat. No. CDS4S Studs Sets are also available for customers preferring to fabricate their own cover plates. Intended for interior use only.

CAT. NO.	DESCRIPTION	BULLET RESISTANCE
CAR121	12" x 14" x 1-1/4" (305 x 356 x 32 mm) Clear Acrylic with Studs	Level 1
CLR123	12" x 14" x 1-1/4" (305 x 356 x 32 mm) Clear Lexgard® with Studs	Level 3
CDS4S	Pack of Four Stud Sets Only	---

Minimum order: 1 each.

SPECIFICATIONS:
Material: Clear Acrylic; Clear Lexgard®; Stainless Steel
Finish: Studs - Brushed Stainless Steel
Glazing: 1-1/4" (32 mm) Level 1 Acrylic; 1-1/4" (32 mm) Level 3 Lexgard®
Bullet Resistance: Level 1 and Level 3
Glazing Fabrication Required: Radius-top Cut-Out Required; plus Four 5/16" (8 mm) Diameter Holes.



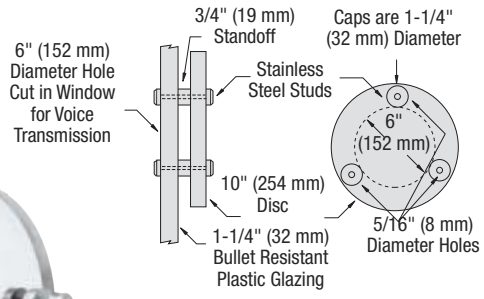
CAT. NO. CDS4S
Brushed Stainless Steel Studs (Pack of 4 Stud Sets)



CRL Clear Vision Bullet Resistant Speak-Thrus

- Disc Overlap Prevents Direct Entry of Projectiles
- For Use With Bullet Resistant Plastic Glazing Materials Only







ONLINE INSTALLATION RESOURCES

INTERIOR USE

Clear Vision Bullet Resistant Speak-Thrus offer two levels of protection, and provide a clear field of vision. The units are easy to install, and designed for use with plastic glazing materials only. Drill a 6" (152 mm) diameter hole in the bullet resistant window, surrounded by three 5/16" (8 mm) holes spaced at 120 degrees on a 7-1/2" (190 mm) diameter (template included). Secure the 10" (254 mm) Acrylic or Lexgard Disc using the Stainless Steel Studs provided with the unit. The space between the window and disc allows for clear voice transmission. The 10" (254 mm) disc provides enough overlap to prevent direct entry of projectiles. Cat. No. CDS3S Studs Sets are also available for customers preferring to fabricate their own discs. Intended for interior use only.

CAT. NO.	DESCRIPTION	BULLET RESISTANCE
CAD101	10" x 1-1/4" (254 x 32 mm) Clear Acrylic with Studs	Level 1
CLD103	10" x 1-1/4" (254 x 32 mm) Clear Lexgard® with Studs	Level 3
CDS3S	Pack of Three Stud Sets Only	---

Minimum order: 1 each.

SPECIFICATIONS:
Material: Clear Acrylic; Clear Lexgard®; Stainless Steel
Finish: Studs - Brushed Stainless Steel
Glazing: 1-1/4" (32 mm) Level 1 Acrylic; 1-1/4" (32 mm) Level 3 Lexgard®
Bullet Resistance: Level 1 and Level 3
Glazing Fabrication Required: One 6" (152 mm) Diameter Hole; plus Three 5/16" (8 mm) Diameter Holes.



CAT. NO. CDS3S
Brushed Stainless Steel Studs (Pack of 3 Stud Sets)



Lexgard® is a registered trademark of G.A.A.G. LLC

CRL No-Draft Speak-Thrus

- Easy to Install
- Eliminates Drafts
- Theft-Proof Locking Device

ONLINE ARCHITECTURAL RESOURCES

ONLINE INSTALLATION RESOURCES



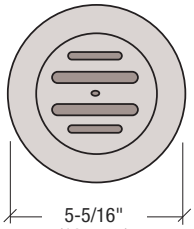
549 Series
Chrome Plated Brass

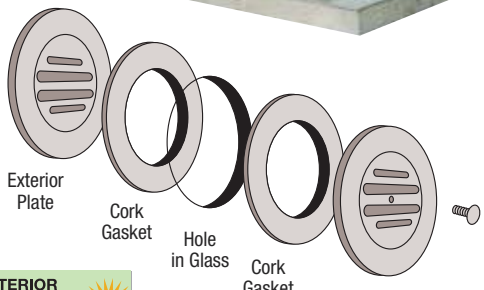


834 Series
Aluminum Construction



Our No-Draft Speak-Thrus are designed to allow audible transmission of voice requests at ticket windows, box offices, and more. They prevent tampering from the outside, and stop drafts to the interior. The 549 Series is made of brass, the 834 Series is made of aluminum. Each unit is individually boxed with gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. For glass up to 3-3/4" (95 mm) thick you can use the optional Cat. No. 8324 4" (102 mm) screws. No-Draft Speak-Thrus require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).





CAT. NO.	DESCRIPTION
549	Chrome Plated Brass
834A	Satin Anodized Aluminum
834BA	Brite Anodized Aluminum
834BGA	Brite Gold Anodized Aluminum
834DU	Bronze Anodized Aluminum
8324	8-32 x 4" (102 mm) Screws (10 pack)

Minimum order: 1 each. Speak-Thrus can be combined for quantity pricing.

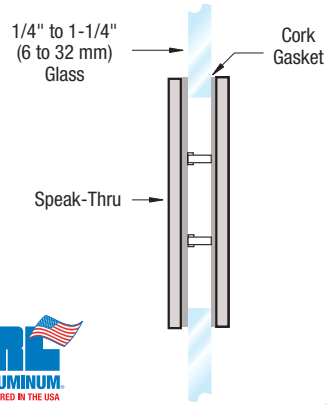
SPECIFICATIONS:
Material: 834-Aluminum; 549-Brass
Finishes: 834-Brite Anodized, Brite Gold Anodized, Bronze Anodized, Satin Anodized; 549-Chrome Plating
Glass Fabrication Required: Recommended 3-1/2" (89 mm) Diameter Hole



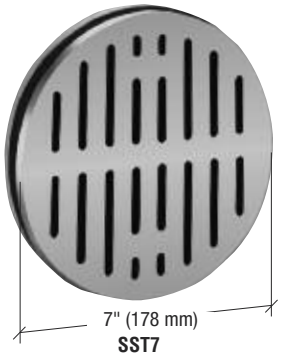
CRL Stainless Steel Speak-Thrus

- Provides Natural Voice Transmission
- Designed to Eliminate Drafts

The CRL Stainless Steel Speak-Thru provides natural voice transmission. Offset slots in front and rear prevent tampering from the outside, and stop drafts to the interior. Speak-Thru has a brushed stainless finish, and comes in two sizes. Two sets of screws accommodate glazing from 1/4" to 1-1/4" (6 to 32 mm) thick.







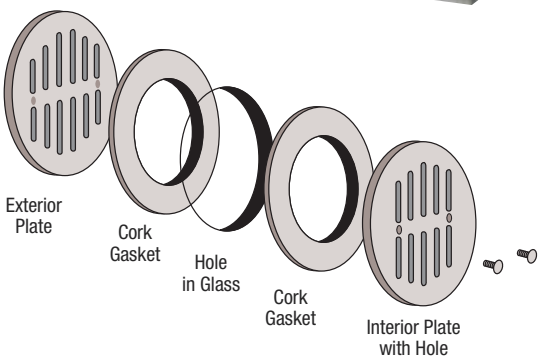
SST7
Requires 4-1/2" to 6" (114 to 152 mm) Hole.
Uses Four Screws (Included)



SST5
Requires 3" to 4-1/2" (76 to 114 mm) Hole.
Uses Two Screws (Included)







CAT. NO.	DESCRIPTION
SST5	5" (127 mm) Round Speak-Thru
SST7	7" (178 mm) Round Speak-Thru

Minimum order: 1 each. Speak-Thrus can be combined for quantity pricing.

SPECIFICATIONS:
Material: 11 Gauge Stainless Steel
Finish: Brushed Stainless Steel #4 Finish
Glass Fabrication Required: See Above

CRL Covered Speak-Thrus

- Choice of Metal or Lucite Cover
- 4" and 6" (102 and 152 mm) Models Available in Two Finishes

Covered Speak-Thrus are available with two styles of covers; all metal, or metal outer ring with lucite vision port. Both styles are screened to provide an insect-free environment. These heavy-duty units are available in satin anodized or duranodic bronze finishes. Both 4" and 6" (102 and 152 mm) sizes are made to be glazed in 1/4" (6 mm) glass.



4" (102 mm) Model with Lucite Cover



6" (152 mm) Model with Metal Cover





TAR12
for 1/2"
(12 mm) Glass



TAR134
for 1-3/4"
(44 mm) Doors

Optional Thickness Adapter Rings are available for the 4" (102 mm) Speak-Thru only. One for 1/2" (12 mm) glass; one for 1-3/4" (44 mm) doors.

INTERIOR
EXTERIOR

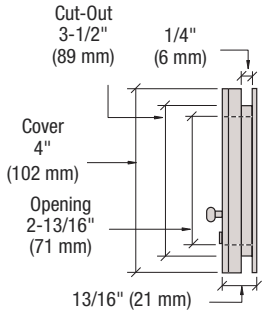
CRL US ALUMINUM MANUFACTURED IN THE USA

SPECIFICATIONS:

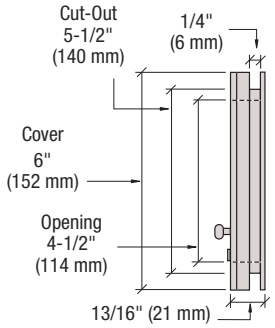
Materials: Aluminum; Lucite; Perforated Aluminum Plate
Finishes: Satin Anodized or Bronze Anodized
Glass Fabrication: 4" (102 mm) Models Require a 3-1/2" (89 mm) Diameter Hole; 6" (152 mm) Models Require a 5-1/2" (140 mm) Diameter Hole

CAT. NO.	FINISH	DESCRIPTION
405A	Satin Anodized	4" (102 mm) Metal Cover Speak-Thru
405DU	Bronze Anodized	4" (102 mm) Metal Cover Speak-Thru
410A	Satin Anodized	4" (102 mm) Lucite Cover Speak-Thru
410DU	Bronze Anodized	4" (102 mm) Lucite Cover Speak-Thru
425A	Satin Anodized	6" (152 mm) Metal Cover Speak-Thru
425DU	Bronze Anodized	6" (152 mm) Metal Cover Speak-Thru
430A	Satin Anodized	6" (152 mm) Lucite Cover Speak-Thru
430DU	Bronze Anodized	6" (152 mm) Lucite Cover Speak-Thru
TAR12A	Satin Anodized	4" x 1/2" (102 mm x 12 mm) Adapter Ring
TAR12DU	Bronze Anodized	4" x 1/2" (102 mm x 12 mm) Adapter Ring
TAR134A	Satin Anodized	4" x 1-3/4" (102 mm x 44 mm) Adapter Ring
TAR134DU	Bronze Anodized	4" x 1-3/4" (102 mm x 44 mm) Adapter Ring

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.



4" (102 mm) Model
Requires 3-1/2" (89 mm) Hole



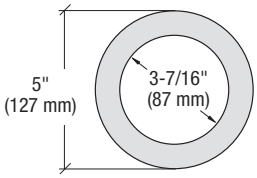
6" (152 mm) Model
Requires 5-1/2" (140 mm) Hole

CRL Plastic Speak-Thru Hole Frame

- Two-Piece Snap-In Unit for 3/16" to 1/4" (5 to 6 mm) Glass
- Available in Aluminum or Bronze Finishes

INTERIOR USE

The Plastic Speak-Thru Hole Frame is an easy to snap together unit for interior installations. It conceals roughly ground or chipped hole edges, creating an attractive appearance. It fits 4" (102 mm) diameter holes, and is adjustable for 3/16" to 1/4" (5 to 6 mm) thick glass.



SPECIFICATIONS:

Material: Plastic
Finishes: Aluminum or Bronze
Glass Fabrication Required: 4" (102 mm) Diameter Hole

CAT. NO.	FINISH	DESCRIPTION
543	Aluminum	Speak-Thru Hole Frame
543BRZ	Bronze	Speak-Thru Hole Frame

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.



Aluminum

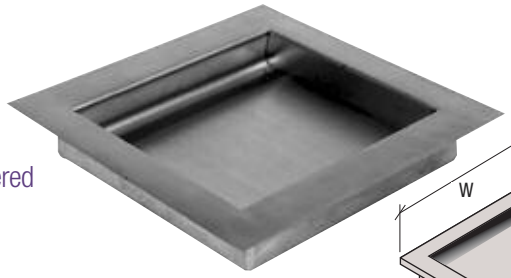


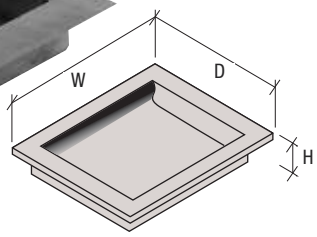
Bronze



CRL Non-Ricochet Bullet Resistant Drop In Deal Trays

- Inner Curved Design Provides Bullet Resistance
- Brushed Stainless Steel
- Level 1 or Level 3 Protection Offered
- Counter Fabrication Required







ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

Non-Ricochet Bullet Resistant Drop In Deal Trays have a specially shaped inner curved design that will provide bullet resistance. The shape assists in retaining the bullet inside the tray or directing it back towards the glass above, depending upon the angle of entry. These easy to install trays are available as Level 1 Ballistic MPSA or Level 3 Ballistic SPSA. Constructed of brushed stainless steel, with two sizes of each level available. Custom sizes are also available on special order. NOTE: Deal Tray does not have drain holes, so an overhang is recommended for exterior use.



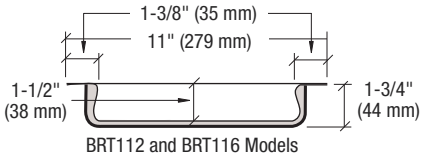
CAT. NO.	BULLET RESISTANCE	WIDTH	DEPTH	HEIGHT
BRT112	Level 1	12" (305 mm)	11" (279 mm)	1-3/4" (44 mm)
BRT116	Level 1	16" (406 mm)	11" (279 mm)	1-3/4" (44 mm)
BRT312	Level 3	12" (305 mm)	12" (305 mm)	2" (51 mm)
BRT316	Level 3	16" (406 mm)	12" (305 mm)	2" (51 mm)

Minimum order: 1 each.

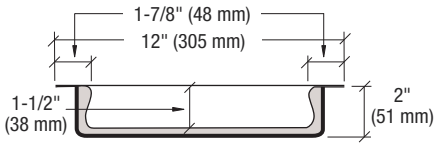
SPECIFICATIONS:

Material: Stainless Steel
Finishes: Brushed Stainless Steel #4 Finish, 14 gauge and 7 gauge (Level 3 pan only)
Counter Fabrication Required
Cut-out information available online at **crlaurence.com**

- Custom Sizes Available



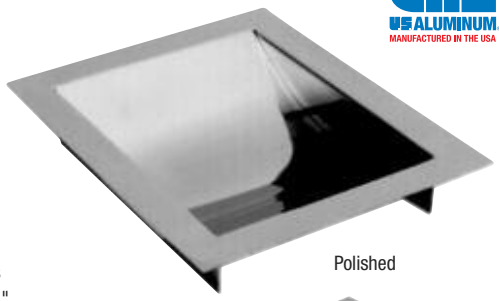
BRT112 and BRT116 Models



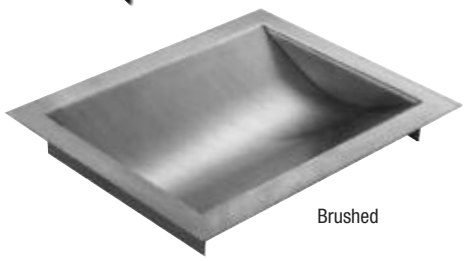
BRT312 and BRT316 Models
Side View

CRL Standard Drop In Deal Tray

- Flush Drop In Design
- Ideal for Cash and Coins
- Counter Fabrication Required
- Polished or Brushed Stainless Steel Finish



Polished



Brushed

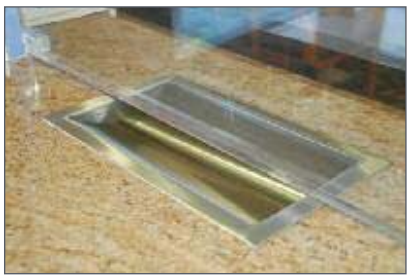
Standard Drop In Deal Trays are made of a heavy gauge stainless steel with a choice of a bright polished or brushed finish designed to withstand years of exposure while resisting nicks and scratches. The dish section measures 1-1/2" (38 mm) deep with a 1" (25 mm) wide perimeter lip all around. Three widths are available up to 16" (406 mm), making this tray an excellent choice for ticket booths, service stations, and other locations where smaller items are passed. Installation is as simple as cutting a rectangular opening in the counter top, and dropping in the Deal Tray that meets your needs. NOTE: Deal Tray does not have drain holes, so an overhang is recommended for exterior use. Custom sizes are also available on special order.

POLISHED STAINLESS CAT. NO.	BRUSHED STAINLESS CAT. NO.	WIDTH	DEPTH	HEIGHT
CTD08	CTDB08	8" (203 mm)	10" (254 mm)	1-9/16" (39 mm)
CTD12	CTDB12	12" (305 mm)	10" (254 mm)	1-9/16" (39 mm)
CTD16	CTDB16	16" (406 mm)	10" (254 mm)	1-9/16" (39 mm)

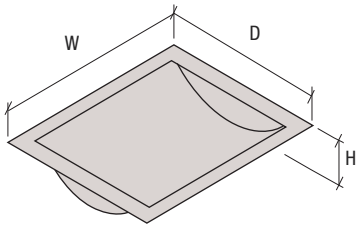
Minimum order: 1 each.

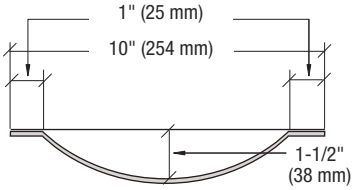
SPECIFICATIONS:

Material: Stainless Steel
Finishes: Polished or Brushed Stainless Steel #4 Finish, 16 gauge
Counter Fabrication Required
Cut-out information available online at **crlaurence.com**



- Custom Sizes Available





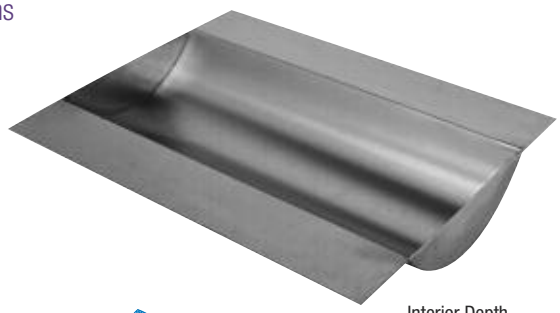
Side View

CRL Deluxe Drop In Deal Trays

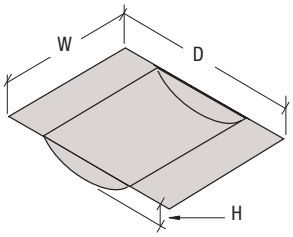
ONLINE INSTALLATION RESOURCES

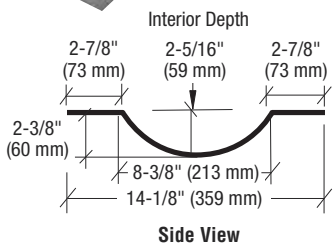
- Deep Dish Section for Passing Larger Items
- Flush Drop In Design
- Heavy Gauge Stainless Steel
- Counter Fabrication Required

The Deluxe Drop In Deal Tray is formed from heavy gauge stainless steel with a brushed finish that is resistant to nicks and scratches. Front and rear lips project 2-7/8" (73 mm) from the dish portion to provide protection for the counter top. Three widths up to 24" (610 mm) wide are available to accommodate a variety of installations. The 2-3/8" (60 mm) deep dish section allows larger items to be passed between clerk/cashier and the customer. The flush drop in design means that only a simple rectangular recess needs to be cut into the counter top, so the installation is not complicated. In addition, custom size Deluxe Trays can be fabricated to meet the requirements of any installation. **NOTE:** Deal Tray does not have drain holes, so an overhang is recommended for exterior use.









SPECIFICATIONS:
Material: Stainless Steel
Finishes: Brushed Stainless Steel #4 Finish, 16 gauge
Counter Fabrication Required
Cut-out information available online at **crlaurence.com**

CAT. NO.	WIDTH	DEPTH	HEIGHT
T12SS	12" (305 mm)	14-1/8" (359 mm)	2-3/8" (60 mm)
T18SS	18" (457 mm)	14-1/8" (359 mm)	2-3/8" (60 mm)
T24SS	24" (610 mm)	14-1/8" (359 mm)	2-3/8" (60 mm)

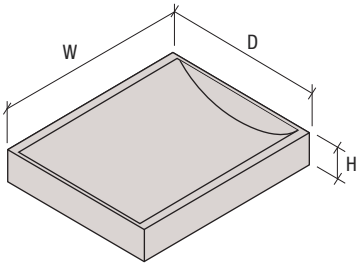
Minimum order: 1 each.

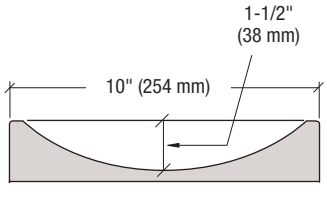
CRL Standard Counter Top Deal Tray

- Counter Top Convenience
- No Cut-Out Required in Counter
- Brushed Stainless Steel Finish
- Glass Fabrication Required

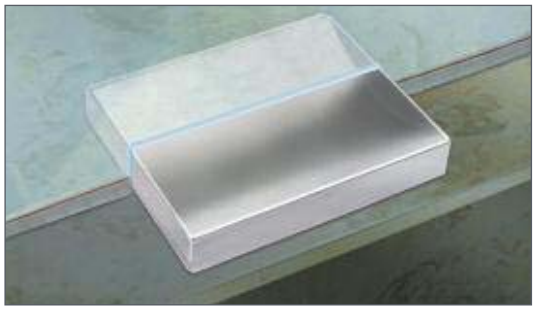
Counter Top Deal Trays are ideal for use in areas where the counter cannot be recessed or altered to accept Drop In Deal Trays. The Tray has a box shape that allows it to be placed on top of the counter in any position. Notching the glass around the Tray provides for secure transactions. Made of heavy gauge brushed stainless steel and available in two sizes. Custom sizes are also available on special order. **NOTE**: Deal Tray does not have drain holes, so an overhang is recommended for exterior use.







ONLINE INSTALLATION RESOURCES



CAT. NO.	WIDTH	DEPTH	HEIGHT
CTC12	12" (305 mm)	10" (254 mm)	2" (51 mm)
CTC16	16" (406 mm)	10" (254 mm)	2" (51 mm)

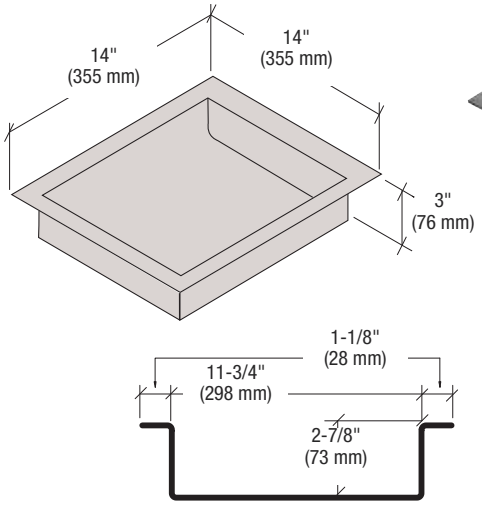
Minimum order: 1 each.

SPECIFICATIONS:
Material: Stainless Steel
Finishes: Brushed Stainless Steel #4 Finish, 16 and 11 gauge
Glass Fabrication Required

CRL Deep Deal Tray

- Flush Drop In Design Tray is Deeper for Passing Larger Items
- Brushed Stainless Steel
- Counter Fabrication Required

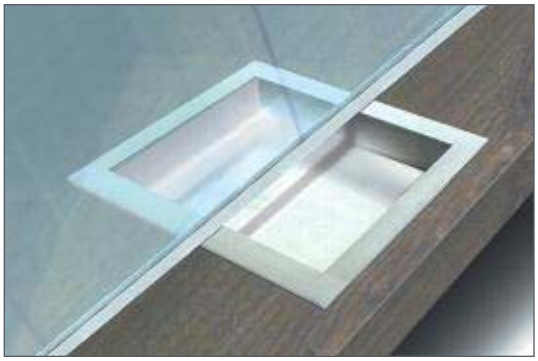
ONLINE INSTALLATION RESOURCES



Side View



The CRL Deep Deal Tray has a 3" (76 mm) height to allow for passing of larger articles from clerk to customer. The flush drop in design of the tray requires a counter with a thickness of at least 3-1/4" (83 mm). Trays are constructed of brushed stainless steel, and can be installed in counters with exposure to the outdoors. Deal Tray does not have drain holes, so an overhang is recommended for exterior use. Custom sizes are also available on special order.



CAT. NO.	WIDTH	DEPTH	HEIGHT
DT1414	14" (355 mm)	14" (355 mm)	3" (76 mm)

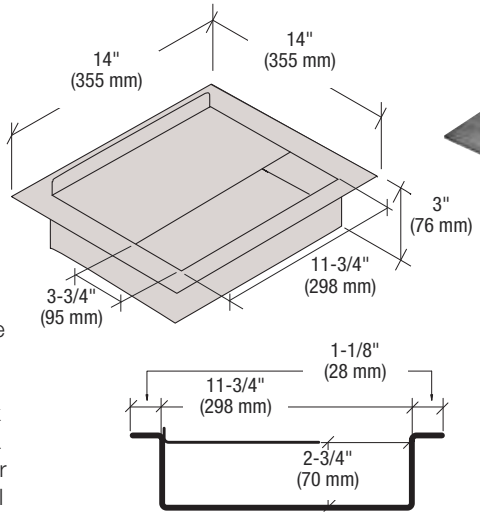
Minimum order: 1 each.

SPECIFICATIONS:
Material: Stainless Steel
Finishes: Brushed Stainless Steel #4 Finish, 16 gauge
Counter Fabrication Required

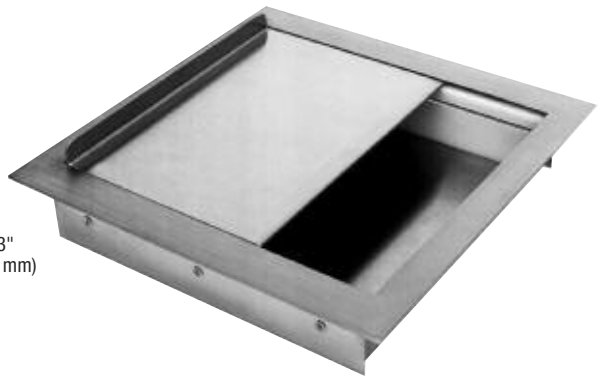
CRL Deep Deal Tray With Sliding Lid

- Deep Tray With Sliding Lid for Added Security
- Flush Drop In Design
- Brushed Stainless Steel
- Counter Fabrication Required

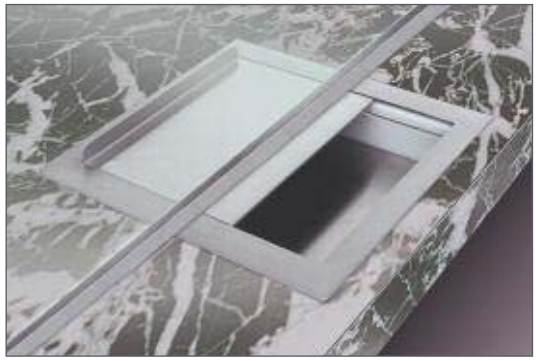
ONLINE INSTALLATION RESOURCES



Side View



This CRL Deep Deal Tray has a sliding lid to help minimize heat or cooling loss, and offer extra protection. The lid has a full width flange across the rear that acts as a handle, and slides quietly on solid bearings. Deep tray allows items up to 2-3/4" (70 mm) thick to be passed. Drop in design requires a counter at least 3-1/4" (83 mm) thick for flush installation. Brushed stainless steel finish resists nicks and scratches. Deal Tray does not have drain holes, so an overhang is recommended for exterior use. Custom size units are also available on special order.

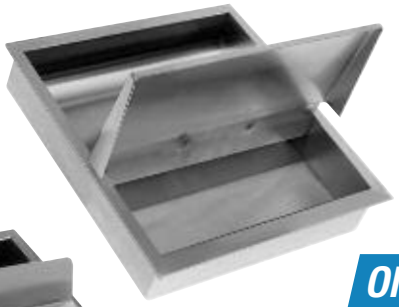


CAT. NO.	WIDTH	DEPTH	HEIGHT
DTWL1414	14" (355 mm)	14" (355 mm)	3" (76 mm)

Minimum order: 1 each.

SPECIFICATIONS:
Material: Stainless Steel
Finishes: Brushed Stainless Steel #4 Finish, 16 gauge
Counter Fabrication Required

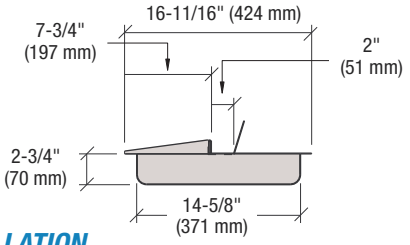
CRL Recessed Deal Tray With Flip Lid





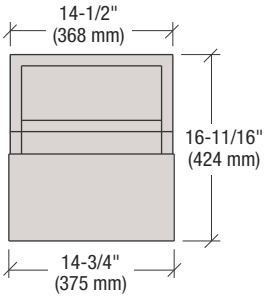
- Lid Helps Minimize Heating or Cooling Loss and Offers Extra Protection
- Counter Fabrication Required

CRL US ALUMINUM MANUFACTURED IN THE USA

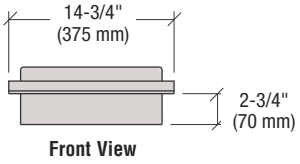


Side View

ONLINE INSTALLATION RESOURCES



Top View



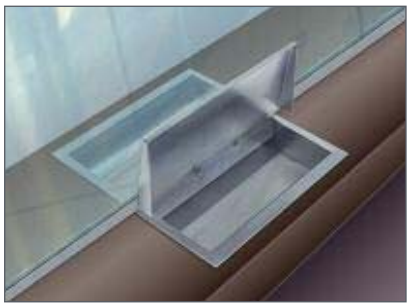
Front View

The Recessed Deal Tray with Flip Lid is designed to fit into a cut-out in the counter top for a flush appearance. The lid on the customer's side is raised by a downward push on the rear edge of the lid by the clerk. **NOTE:** Deal Tray does not have drain holes, so an overhang is recommended for exterior use.

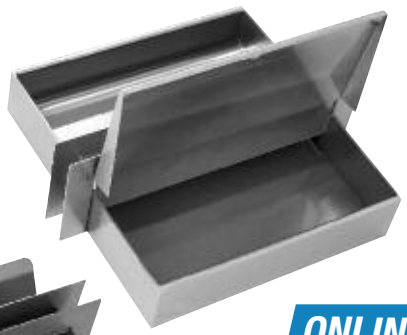
CAT. NO.	WIDTH	DEPTH	HEIGHT
FLR1416	14-3/4" (375 mm)	16-11/16" (424 mm)	2-3/4" (70 mm)

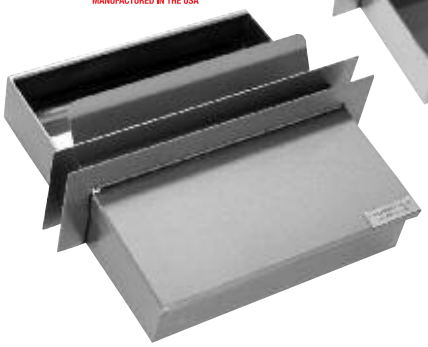
Minimum order: 1 each.

SPECIFICATIONS:
Material: Stainless Steel
Finish: 16 Gauge Brushed Stainless Steel, #4 Finish
Counter Fabrication Required



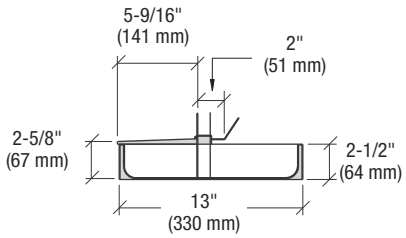
CRL Counter Top Deal Tray With Flip Lid





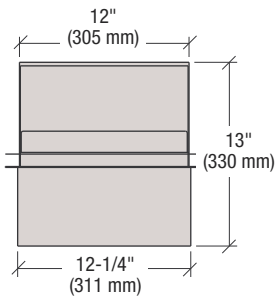
- Lid Helps Minimize Heating or Cooling Loss and Offers Extra Protection
- No Cut-Out Required In Counter
- Glass Fabrication Required

CRL US ALUMINUM MANUFACTURED IN THE USA

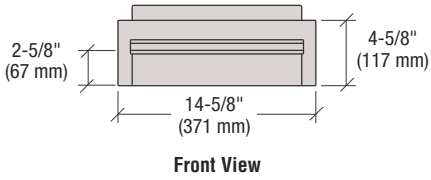


Side View

ONLINE INSTALLATION RESOURCES



Top View



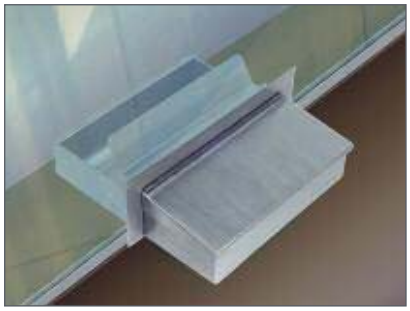
Front View

The Counter Top Deal Tray with Flip Lid is designed for use on the top of a ledge or counter. The large tray allows for passage of items as large as a carton of cigarettes. The lid on the customer's side of the window minimizes air infiltration, and opens with a downward push on the rear edge of the lid. All stainless steel construction. **NOTE:** Deal Tray does not have drain holes, so an overhang is recommended for exterior use.

CAT. NO.	WIDTH	DEPTH	HEIGHT
FL1213	12-1/4" (311 mm)	13" (330 mm)	2-5/8" (67 mm)

Minimum order: 1 each.

SPECIFICATIONS:
Material: Stainless Steel
Finish: 16 Gauge Brushed Stainless Steel, #4 Finish
Glass Fabrication Required

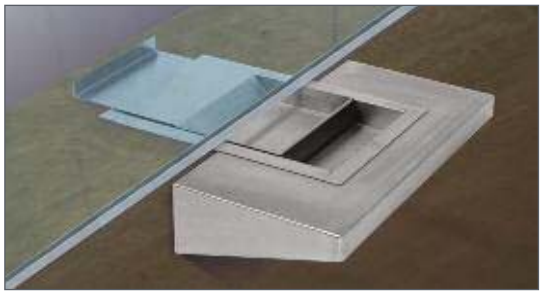


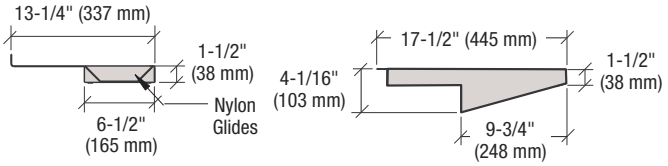
CRL DEAL TRAYS

CRL Sliding Deal Tray With Shelf

- Pass-Through Security Combined With Customer Convenience
- All Stainless Steel Construction



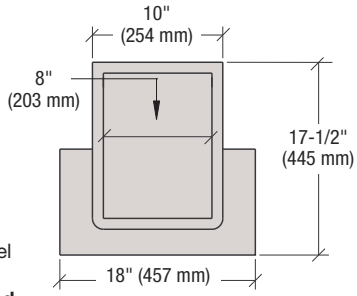




Any cash or credit transaction can now be done safety behind a security window with this Sliding Deal Tray With Shelf. Tray has 9-3/4" x 18" (248 x 457 mm) stainless steel purse shelf for customer's convenience and added strength. The cash tray has a stationary base unit and a tray with handle. All stainless steel construction. **NOTE:** An overhang is recommended for exterior use. Custom sizes are available on special order.

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES



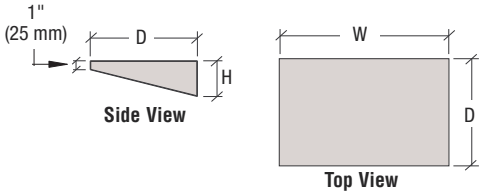
CAT. NO.	WIDTH	OVERALL DEPTH	FRONT HEIGHT	REAR HEIGHT
FL4146	18" (457 mm)	17-1/2" (445 mm)	1-1/2" (38 mm)	4-1/16" (103 mm)

Minimum order: 1 each.

SPECIFICATIONS:
Material: Stainless Steel
Finish: Brushed Stainless Steel #4 Finish, 16 and 18 gauge
Counter Fabrication Required

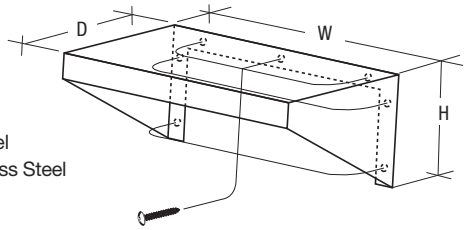
CRL Stainless Steel Purse Shelf





Stainless Steel Purse Shelves have a brushed finish that will resist nicks and scratches. Shelves can be wall mounted below pass-thru windows, or flanking push-through transaction drawers to give customers a convenient space to write checks, sign credit card receipts, etc. Custom size shelves are available on special order.

- All Stainless Steel Construction



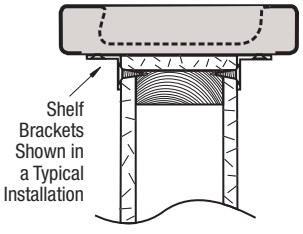
CAT. NO.	WIDTH	DEPTH	REAR HEIGHT
SSS1208	12" (305 mm)	8" (203 mm)	5-1/2" (140 mm)
SSS1912	19" (483 mm)	12" (305 mm)	4" (102 mm)

Minimum order: 1 each.

SPECIFICATIONS:
Material: Stainless Steel
Finish: Brushed Stainless Steel #4 Finish, 16 gauge

CRL Stainless Steel Shelf Brackets





Stainless Steel Shelf Brackets are available in six lengths from 24" (610 mm) to 72" (1829 mm). They are made from 1-1/2" x 1-1/2" (38 x 38 mm) brushed stainless steel angle to match shelf finish. Brackets are not drilled, so the installer has the option of drilling holes only where they are needed. Brackets are sold only in pairs.

CAT. NO.	LENGTH
SSSB24	24" (610 mm)
SSSB30	30" (762 mm)
SSSB36	36" (914 mm)
SSSB48	48" (1219 mm)
SSSB60	60" (1524 mm)
SSSB72	72" (1829 mm)

Minimum order: 1 pair.

SPECIFICATIONS:
Material: Stainless Steel
Finish: Brushed Stainless Steel #4 Finish, 16 gauge

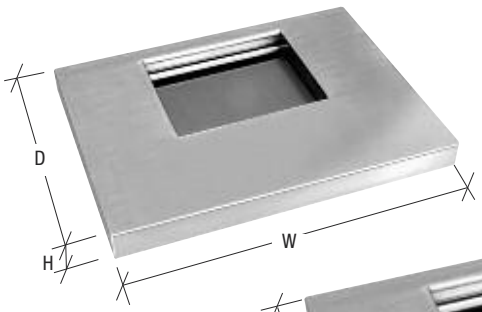
CRL Stainless Steel Shelf With Deal Tray

- 12" (305 mm) or 18" (457 mm) Shelves in Widths from 24" to 72" (610 to 1829 mm)
- Stock Sizes Ready to Ship
- Custom Sizes Available

Our Stainless Steel Shelf with Deal Tray is available in six widths. Deal Tray inside dimensions measure 11" (279 mm) wide x 8-1/4" (210 mm) deep x 1-9/16" (40 mm) high. The 18" (457 mm) Shelf provides a 7-1/2" (190 mm) writing surface on the customer's side of the Deal Tray. NOTE: Deal Tray does not have drain holes, so an overhang is recommended for exterior use. Shelves can be quickly and easily mounted using our Stainless Steel Shelf Brackets on page T512. Custom sizes and higher protection level Shelves are available on special order.

CAT. NO.	WIDTH	DEPTH	HEIGHT
SSDT2412	24" (610 mm)	12" (305 mm)	2" (51 mm)
SSDT3012	30" (762 mm)	12" (305 mm)	2" (51 mm)
SSDT3612	36" (914 mm)	12" (305 mm)	2" (51 mm)
SSDT4812	48" (1219 mm)	12" (305 mm)	2" (51 mm)
SSDT6012	60" (1524 mm)	12" (305 mm)	2" (51 mm)
SSDT7212	72" (1829 mm)	12" (305 mm)	2" (51 mm)
SSDT2418	24" (610 mm)	18" (457 mm)	2" (51 mm)
SSDT3018	30" (762 mm)	18" (457 mm)	2" (51 mm)
SSDT3618	36" (914 mm)	18" (457 mm)	2" (51 mm)
SSDT4818	48" (1219 mm)	18" (457 mm)	2" (51 mm)

Minimum order: 1 each.



Typical 18" Shelf projects 6" to clerk side and 12" to customer side from center line of tray.

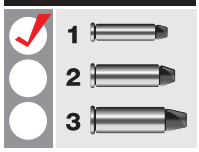


Typical 12" Shelf (Tray Centered)

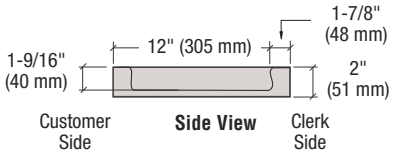
ONLINE INSTALLATION RESOURCES

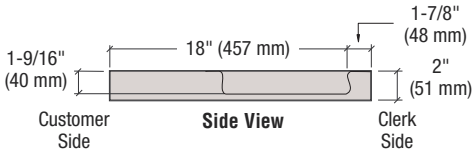
- Brushed Finish #4
- Non-Ricochet Deal Tray Provides Level 1 Protection
- Easy Out Radius on Customer Side

PROTECTION LEVELS



Higher protection levels available on request





SPECIFICATIONS:

Material: Stainless Steel

Finish: Brushed Stainless Steel #4 Finish, #2B finish on bottom plate, 16 gauge

Bullet Resistance: Level 1 Protection

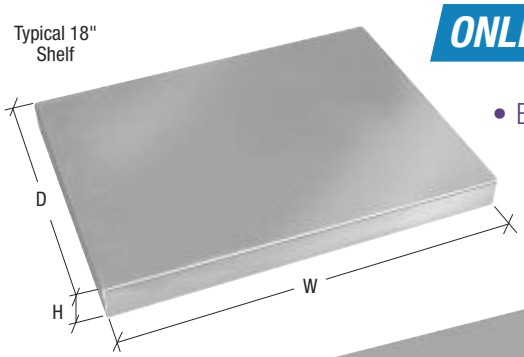
CRL Stainless Steel Shelf

- 12" (305 mm) or 18" (457 mm) Shelves in Widths from 24" to 72" (610 to 1829 mm)
- Stock Sizes Ready to Ship
- Custom Sizes Available

These Stainless Steel Shelves are available in six widths from 24" (610 mm) to 72" (1829 mm). Shelves are ideal as service counter tops for pass-thru windows, or as unobstructed counters for transactions where a security window is not required. Shelves can be quickly and easily mounted using our Stainless Steel Shelf Brackets on page T512. Custom sizes and higher protection level Shelves are available on special order.

CAT. NO.	WIDTH	DEPTH	HEIGHT
SSS2412	24" (610 mm)	12" (305 mm)	2" (51 mm)
SSS3012	30" (762 mm)	12" (305 mm)	2" (51 mm)
SSS3612	36" (914 mm)	12" (305 mm)	2" (51 mm)
SSS4812	48" (1219 mm)	12" (305 mm)	2" (51 mm)
SSS6012	60" (1524 mm)	12" (305 mm)	2" (51 mm)
SSS7212	72" (1829 mm)	12" (305 mm)	2" (51 mm)
SSS2418	24" (610 mm)	18" (457 mm)	2" (51 mm)
SSS3018	30" (762 mm)	18" (457 mm)	2" (51 mm)
SSS3618	36" (914 mm)	18" (457 mm)	2" (51 mm)
SSS4818	48" (1219 mm)	18" (457 mm)	2" (51 mm)
SSS6018	60" (1524 mm)	18" (457 mm)	2" (51 mm)
SSS7218	72" (1829 mm)	18" (457 mm)	2" (51 mm)

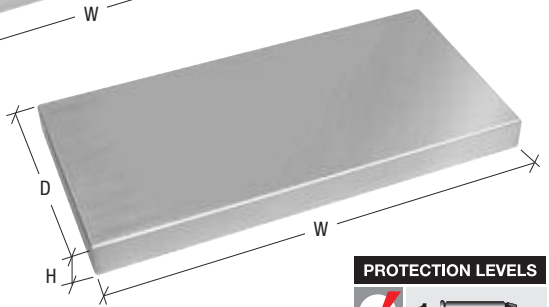
Minimum order: 1 each.



Typical 18" Shelf

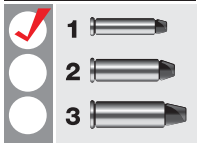
ONLINE INSTALLATION RESOURCES

- Brushed Finish #4



Typical 12" Shelf

PROTECTION LEVELS



Higher protection levels available on request

SPECIFICATIONS:

Material: Stainless Steel

Finish: Brushed Stainless Steel #4 Finish, #2B finish on bottom plate, 16 gauge

Bullet Resistance: Level 1 Protection

CRL Deal Drawer





- Flush Appearance
- Ball Bearing Glides
- Drawer Unit has Stainless Steel Construction
- Counter Fabrication Required

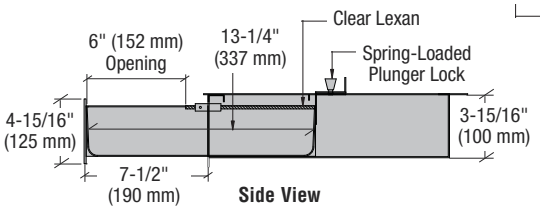
Our Deal Drawer is built to be recessed in the counter top along the front edge to achieve a flush appearance. Glazing above the flat hood portion provides a barrier that doesn't obstruct operation of drawer. A full width handle across the rear of the drawer pushes it smoothly along ball bearing glides for ease of operation. Lexan® lid will not open when drawer is extended*. Complete unit is fully assembled and ready for installation. An overhang or awning is recommended if used in an exterior application. Inside dimensions of drawer are 12-3/8" (314 mm) wide x 13-1/4" (337 mm) deep x 2-7/8" (73 mm) high.

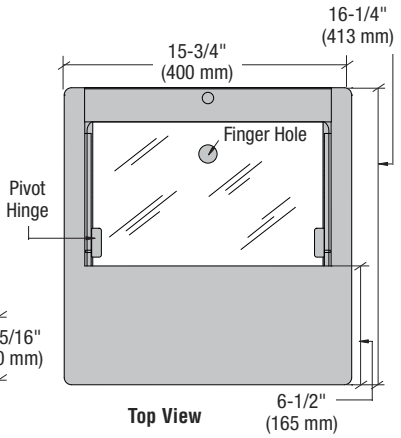
INTERIOR EXTERIOR

US ALUMINUM MANUFACTURED IN THE USA

ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES





SPECIFICATIONS:
Material: Stainless Steel; Lexan
Finish: 16 Gauge Brushed Stainless Steel, #4 Finish
Counter Fabrication Required

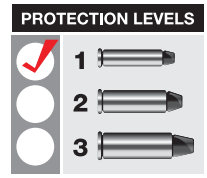
CAT. NO.	WIDTH	DEPTH	HEIGHT
DD1616	15-3/4" (400 mm)	16-1/4" (413 mm)	4-15/16" (125 mm)

Minimum order: 1 each.

CRL Sliding Deal Tray and Pass-Thru Bin

US ALUMINUM MANUFACTURED IN THE USA

PROTECTION LEVELS





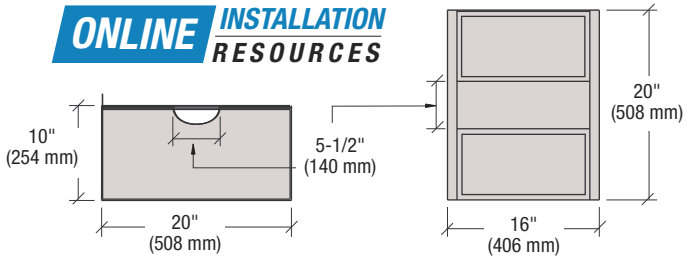
- Dual Operations Unit for Transferring Large or Small Items
- Stainless Steel Construction Provides Level 1 Protection
- Counter and Glass Fabrication Required

The Sliding Deal Tray and Pass-Thru Bin handles two jobs using one unit. The sliding lid has a built-in deal tray for transferring cash and small items by sliding the lid forward and back. Bulk items can be passed through the larger bin cavity below*. The 5-1/2" (140 mm) deep cross member on the top of the unit allows for through-wall installations. The unit can also be mounted on a counter top with the window notched around it. An overhang or awning is recommended if used in an exterior application. Openings are 14" (356 mm) wide x 6" (152 mm) deep when not covered by sliding tray.



INTERIOR EXTERIOR

ONLINE INSTALLATION RESOURCES



SPECIFICATIONS:
Material: Stainless Steel
Finish: 16 Gauge Brushed Stainless Steel, #4 Finish
Counter and Glass Fabrication Required

CAT. NO.	WIDTH	DEPTH	HEIGHT
ST1620	16" (406 mm)	20" (508 mm)	10" (254 mm)

Minimum order: 1 each.

Lexan is a registered trademark of SABIC Innovative Plastics.

CRL Large Capacity Transaction Drawers

- Popular Thru-Wall and In-Counter Models
- Level 1 and 3 Bullet Resistant Protection
- Counter or Wall Fabrication Required

Our Large Capacity Transaction Drawer is available in two different configurations; one designed to be installed into a counter, one designed to allow thru-wall installation requirements. Simply choose the drawer that best fulfills your installation requirements.

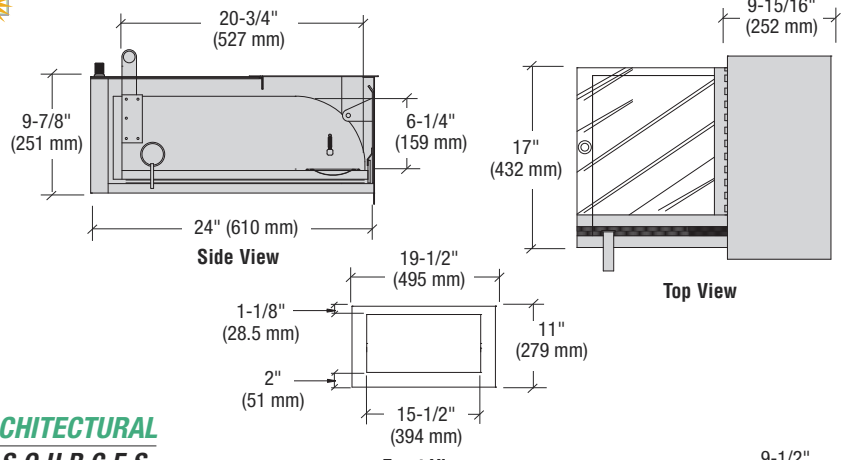
Suitable for drive-up and walk up service, this weather resistant drawer has a Lexan® lid to allow clear view of contents while preventing direct entry of outside air. Stainless steel front panel pivots up as drawer is extended. Latching knob keeps drawer lid locked when closed. Inside measurements of drawer are 12-7/8" (327 mm) wide x 20-3/4" (527 mm) deep x 6-1/4" (159 mm) high. Custom sizes are available on special order.



In-Counter Mount Shown

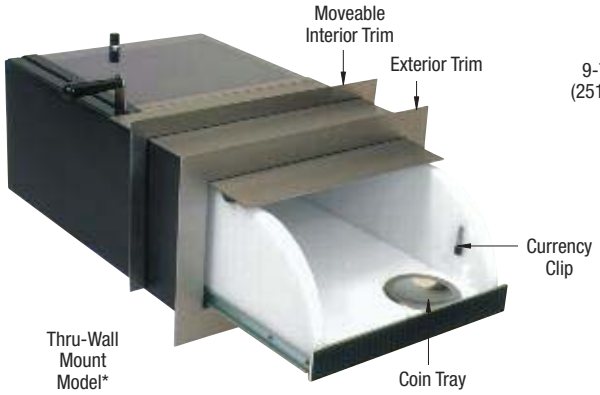
INTERIOR EXTERIOR

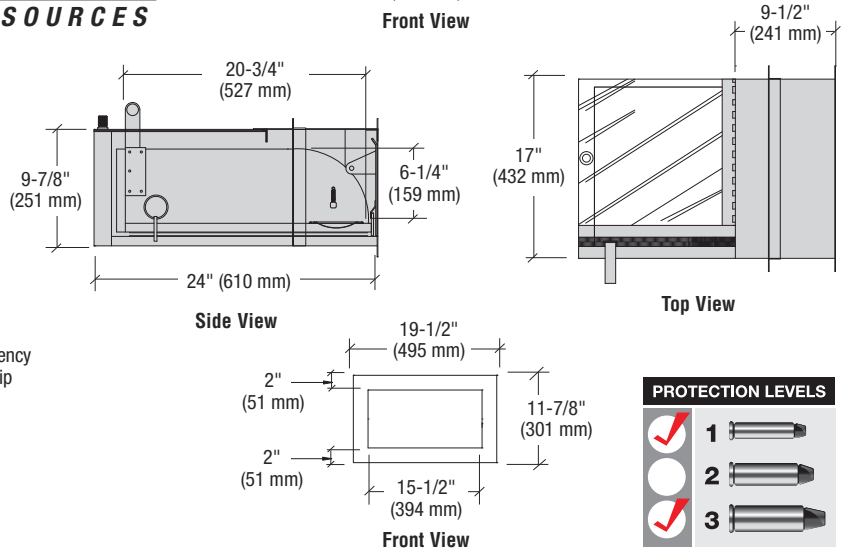




ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES





SPECIFICATIONS:

Material: Stainless Steel; Lexan®; Bullet Resistant Plastic; Bullet Resistant Fiberglass/Wood Composite
Finish: 11 Gauge (Level 1 Protection), 7 Gauge (Level 3 Protection) Brushed Stainless Steel Face Plate Only #4 Finish
Counter or Wall Fabrication Required

Lexan is a registered trademark of SABIC Innovative Plastics.

CAT. NO.	BULLET RESISTANCE	MOUNTING TYPE	WIDTH	DEPTH	HEIGHT
TD1724	1	In-Counter	17" (432 mm)	24" (610 mm)	9-7/8" (251 mm)
TD1724TW	1	Thru-Wall*	17" (432 mm)	24" (610 mm)	9-7/8" (251 mm)
TD1724C3	3	In-Counter	17" (432 mm)	24" (610 mm)	9-7/8" (251 mm)
TD1724TWC3	3	Thru-Wall*	17" (432 mm)	24" (610 mm)	9-7/8" (251 mm)

Minimum order: 1 each. Must ship common carrier. Drawers extend 9-3/4" (248 mm) from face of wall when fully opened.
*Maximum wall thickness 9-1/2" (241 mm) for Thru-Wall Model.

CRL Oversized Transaction Drawers

- Taller Than Our Large Capacity Drawer
- Popular Thru-Wall and In-Counter Models
- Level 1 and 3 Bullet Resistant Protection
- Counter or Wall Fabrication Required

INTERIOR EXTERIOR

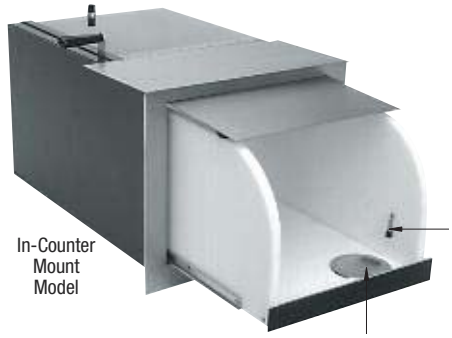
CRL US ALUMINUM MANUFACTURED IN THE USA

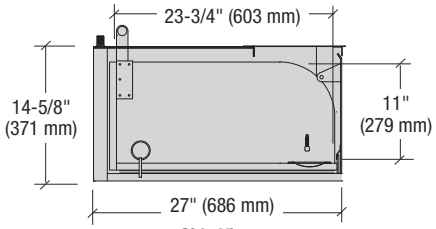
ONLINE INSTALLATION RESOURCES

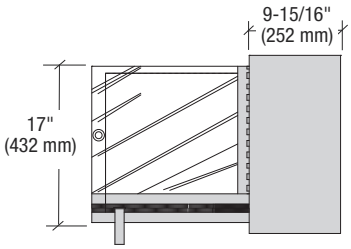
ONLINE ARCHITECTURAL RESOURCES

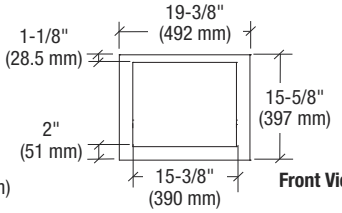
PROTECTION LEVELS
1
2
3

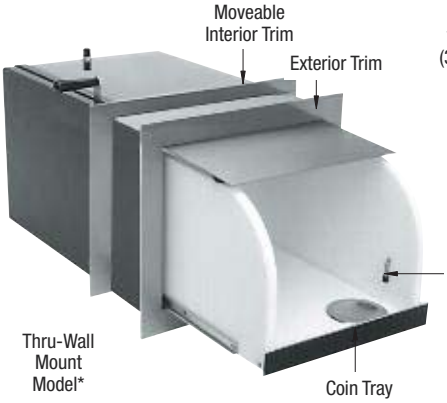
Offering the same features as our Large Capacity Transaction Drawer (see page T515), the Oversized Transaction Drawer allows the passing of larger items. Available for in-counter mount or thru-wall installation, this drawer fits a variety of applications including banks, convenience stores, fast food restaurants, pharmacies, and more. Latching knob keeps drawer lid locked when closed. Inside measurements of drawer are 12-7/8" (327 mm) wide x 23-3/4" (603 mm) deep x 11" (279 mm) high. Custom sizes are available on special order.

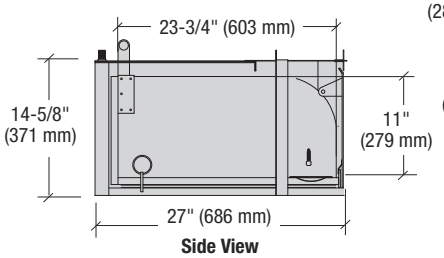


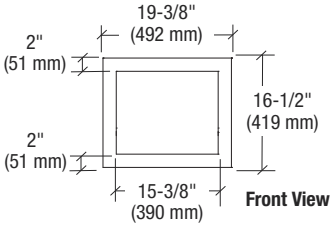


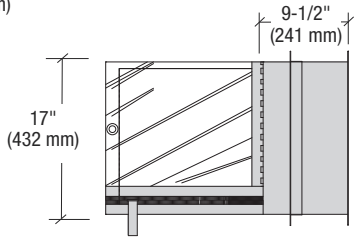












SPECIFICATIONS:

Material: Stainless Steel; Lexan®; Bullet Resistant Plastic; Bullet Resistant Fiberglass/Wood Composite
Finish: 11 Gauge (Level 1 Protection), 7 Gauge (Level 3 Protection) Brushed Stainless Steel Face Plate Only #4 Finish Black Plastic Laminate
Counter or Wall Fabrication Required

CAT. NO.	BULLET RESISTANCE	MOUNTING TYPE	WIDTH	DEPTH	HEIGHT
TD1727	1	In-Counter	17" (432 mm)	27" (686 mm)	14-5/8" (371 mm)
TD1727TW	1	Thru-Wall*	17" (432 mm)	27" (686 mm)	14-5/8" (371 mm)
TD1727C3	3	In-Counter	17" (432 mm)	27" (686 mm)	14-5/8" (371 mm)
TD1727TWC3	3	Thru-Wall*	17" (432 mm)	27" (686 mm)	14-5/8" (371 mm)

Minimum order: 1 each. Must ship common carrier. Drawers extend 12-3/4" (324 mm) from face of wall when fully opened.
*Maximum wall thickness 9-1/2" (241 mm) for Thru-Wall Model.

CRL Round Coin Tray
(Included in TD17 Drawers)

The Round Coin Tray can be used as an insert into Transaction Drawers or counters to make the passage of coins easier and more efficient. Requires a 3-1/4" (83 mm) hole in the mounting surface.



CAT. NO.	DIAMETER	DEPTH
RCT4	4-3/4" (121 mm)	1/2" (12 mm)

Minimum order: 1 each.

SPECIFICATIONS:

Material: 24 Gauge Brushed Stainless Steel, # 4 Finish
Counter or Drawer Fabrication Required

Lexan is a registered trademark of SABIC Innovative Plastics.

CRL Currency Retainer Clip
(Included in TD17 Drawers)

The Currency Retainer Clip attaches to the inner surface of a Transaction or Deal Drawer. Spring action and plastic tip secures paper currency and receipts for safe exchange.



CAT. NO.	OVERALL LENGTH
CRC1	1-3/4" (44 mm)

Minimum order: 1 each.

SPECIFICATIONS:

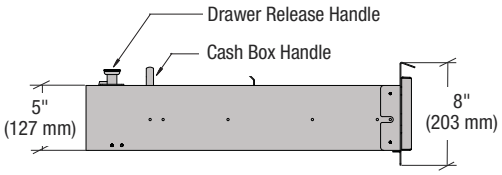
Material: Steel Spring with Plastic Tip

CRL Transaction and Cash Box Drawer

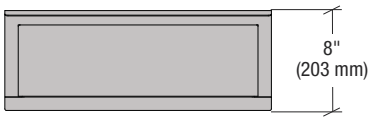
- Removable Deal Tray for Passing Larger Items
- Lockable Cash Box
- Fully Assembled and Ready for Installation







Side View

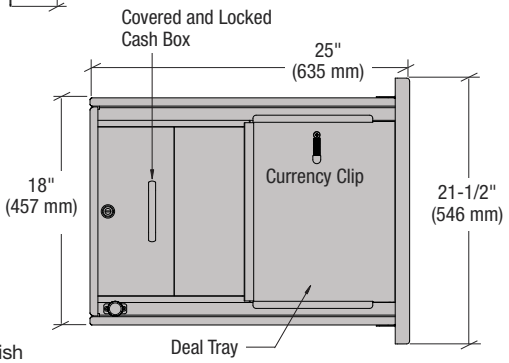


Front View

The Transaction and Cash Box Drawer for drive-in or walk-up business allows clerk to maintain customer contact while secure inside. The customer's view of cash box contents is blocked by a hinged locking cover.

Clerk can pass small packages by removing the deal tray from the front drawer. The operating handle uses a self-contained locking device. Constructed of stainless steel, the unit is fully assembled and ready for installation. Interior capacity of front Drawer with Tray removed is 14-3/8" W x 11-5/8" D x 3-3/8" H (365 x 295 x 86 mm).

INTERIOR EXTERIOR



Top View

CAT. NO.	WIDTH	DEPTH	HEIGHT
FL4463	18" (457 mm)	25" (635 mm)	5" (127 mm)

Minimum order: 1 each. *Drawer projects 10-1/4" (260 mm) when fully open.

SPECIFICATIONS:
Material: 16 Gauge Stainless Steel
Finish: Brushed Stainless Steel #4 Finish
Counter Fabrication Required

CRL Deep Transaction Drawer With Cash Tray

- Allows for Transfer of Larger Items
- Constructed of Stainless Steel
- Attachable Purse Shelves Included

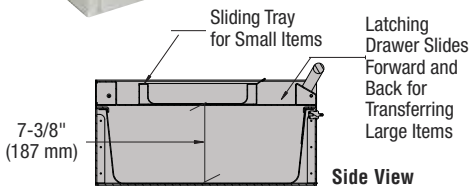
INTERIOR EXTERIOR

ONLINE ARCHITECTURAL RESOURCES

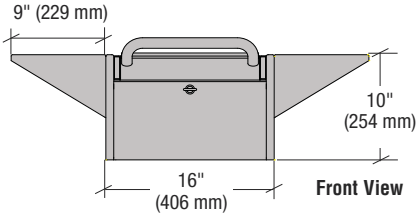




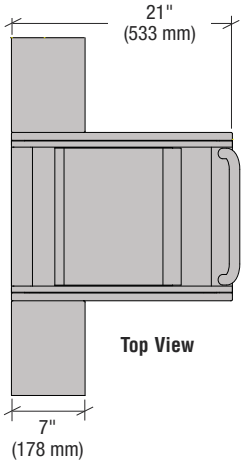
View from Clerk's Side



Side View



Front View



Top View

The Deep Transaction Drawer with Cash Tray will serve walk-up business, protect employees and inventory while allowing transfer of cash, credit or debit cards, and small products. Unique design will enable the transfer of motor oil, six-packs of beverages, and other bulk items. All these functions are built into one compact unit engineered for security and ease of operation. Self-contained, smooth operating locking mechanism requires no keys. This model also has 10 gauge steel bullet resistant liners in front and back. Two attachable purse shelves are included with the unit. **NOTE:** An overhang is recommended if used in an exterior application. Interior capacity of Drawer is 14-1/2" W x 18-1/2" D x 7-1/2" H (368 x 470 x 190 mm).

CAT. NO.	WIDTH	DEPTH	HEIGHT
FL3246C	16" (406 mm)	21" (533 mm)	10" (254 mm)

Minimum order: 1 each. *Drawer projects 8-3/4" (222 mm) when fully open.

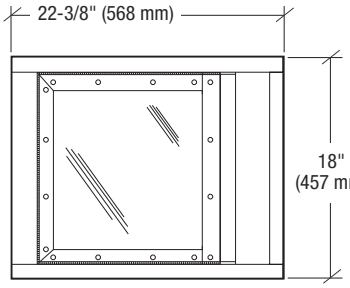
SPECIFICATIONS:
Material: 16 Gauge Stainless Steel
Finish: Brushed Stainless Steel #4 Finish
Counter Fabrication Required

CRL Bullet Resistant Quarter Round Pivot Server

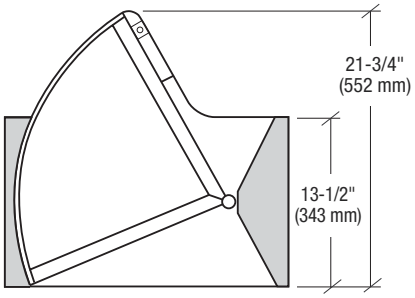
NEW!

- Level 1 Bullet Resistant Protection
- Vision Panel Allows View of Contents Before Server Pivots
- Perimeter Frame Available in Satin Anodized or Dark Bronze Anodized
- Lockable From Clerk's Side (Secure Side)
- Mounts Counter Top, Thru-Wall, or in a Window Opening





Front View



Top View

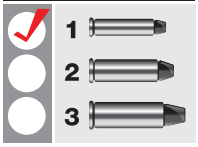
INTERIOR EXTERIOR

CRL US ALUMINUM MANUFACTURED IN THE USA

ONLINE INSTALLATION RESOURCES

Our Quarter Round Pivot Server provides pass-thru security. Satin anodized or dark bronze anodized perimeter frame surrounds a pivoting shelf. It locks to prevent unwanted rotation for maximum security. Perfect for drive-up or walk-up service. Pivot Shelf includes a coin tray and currency retainer clip. Custom sizes available upon request.

PROTECTION LEVELS



SPECIFICATIONS:

Material: Aluminum; Clear Bullet Resistant Acrylic; Opaque Bullet Resistant Plastic
Finish: Frame - Satin Anodized or Dark Bronze Anodized
Glazing: 1-1/4" (32 mm) Level 1 Acrylic

CAT. NO.	FINISH	WIDTH	HEIGHT	DEPTH
QRPS1SA	Satin Anodized	22-3/8" (568 mm)	18" (457 mm)	13-1/2" (343 mm)
QRPS1DU	Dark Bronze Anodized	22-3/8" (568 mm)	18" (457 mm)	13-1/2" (343 mm)

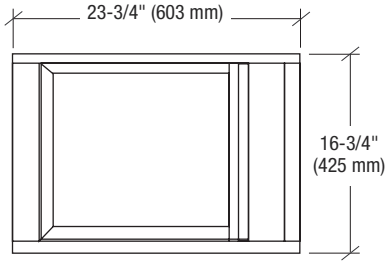
Minimum order: 1 each.

CRL Non-Bullet Resistant Quarter Round Pivot Server

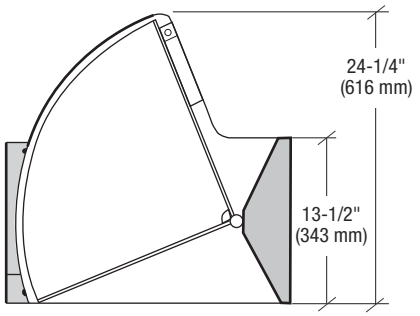
NEW!

- Helps Minimize Heating or Cooling Loss and Offers Extra Protection
- Fully Assembled and Ready for Installation
- Perfect for Drive-Up and Walk-Up Service





Front View



Top View

INTERIOR EXTERIOR

CRL US ALUMINUM MANUFACTURED IN THE USA

ONLINE INSTALLATION RESOURCES

Our Quarter Round Pivot Server is simple to operate and the perfect way to complete transactions securely. The clerk effortlessly pushes outward on the interior panel and the Server pivots towards the customer to start the transaction. Then the clerk gently pulls inward and is able to retrieve the items placed inside the Server. The perfect Pass-Thru for drive-up or walk-up service. Will work on wall thicknesses up to 13-1/2" (343 mm). Pivot Shelf includes a coin tray and currency retainer. Custom sizes are available upon request.

SPECIFICATIONS:

Material: Aluminum; Clear Acrylic; Opaque Plastic
Finish: Frame - Satin Anodized or Dark Bronze Anodized
Glazing: 1/4" (6 mm) Acrylic

CAT. NO.	FINISH	WIDTH	HEIGHT	DEPTH
QRPS2SA	Satin Anodized	23-3/4" (603 mm)	16-3/4" (425 mm)	13-1/2" (343 mm)
QRPS2DU	Dark Bronze Anodized	23-3/4" (603 mm)	16-3/4" (425 mm)	13-1/2" (343 mm)

Minimum order: 1 each.

CRL Clear Package Receivers



Left Hand Model (Customer's Side)

- Level 1 or Level 3 Bullet Resistant Protection Available
- Contents are in Full View to Clerk Without Opening Inner Door
- Custom Sizes and Features Available

The Clear Package Receiver is designed for interior use only. Satin finish aluminum extrusions are used to fasten the sides and bottom together. Bottom is constructed of plywood and bullet resistant fiberglass covered with plastic laminate. A special interlocking mechanism allows only one door to open at a time. Closer furnished on customer side door. Contents can be clearly viewed from the top and all four sides. Handing is determined by hinge placement on customer's side. Inside Dimensions: 13-5/16" (338 mm) wide x 12-1/2" (318 mm) deep x 13-3/8" (340 mm) high.



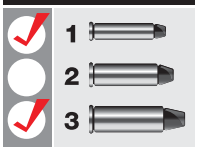
Right Hand Model (Customer's Side)

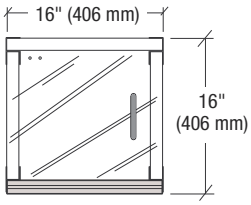
CAT. NO.	BULLET RESISTANCE	HANDING	HEIGHT* DEPTH* WIDTH*
CPR1	Level 1	Left	16" (406 mm)
CPR2	Level 1	Right	16" (406 mm)
CPR31	Level 3	Left	16" (406 mm)
CPR32	Level 3	Right	16" (406 mm)

Minimum order: 1 each. *Outside Dimensions

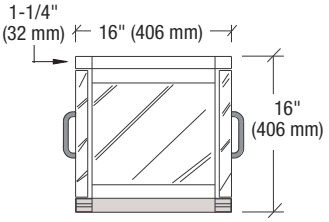
INTERIOR USE

PROTECTION LEVELS





Front or Back View



Side View

ONLINE ARCHITECTURAL RESOURCES

SPECIFICATIONS:

Material: Aluminum Extrusion; Clear Acrylic or Clear Lexgard®; Plywood; Bullet Resistant Fiberglass
Finish: Satin Anodized Aluminum
Glazing: 1-1/4" (32 mm) Level 1 Acrylic; 1-1/4" (32 mm) Level 3 Lexgard®

CRL Rotary Server With Vision Panel



- Level 1 Bullet Resistant Protection
- Drum Rotates 180 Degrees
- Vision Panel Allows View of Contents Before Drum is Turned

The Rotary Server With Vision Panel is constructed of stainless steel, bullet resistant plastic, and 1-1/4" (32 mm) Level 1 Acrylic for the vision panel. The unit rotates 180 degrees by turning the crank handle. In the locked position the stainless steel drum is turned to the customer for maximum security. Vision Panel allows for viewing contents. Unit is weatherstripped for outdoor use and provides Level 1 bullet resistant protection. Drum extends behind and in front of the unit, and is 15-1/4" (387 mm) in diameter. Interior will hold larger items such as a six pack of beverages, or a gallon of milk.



Viewed From Customer's Side

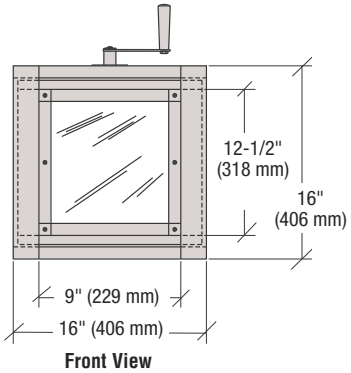
CAT. NO.	WIDTH	DEPTH	HEIGHT
RSVW1	16" (406 mm)	12-1/2" (318 mm)	16" (406 mm)

Minimum order: 1 each.

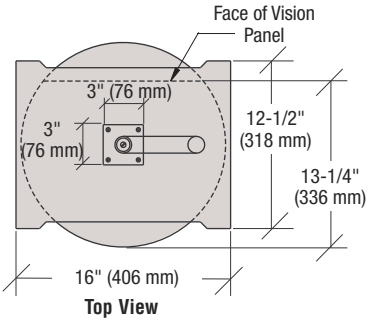
INTERIOR EXTERIOR

PROTECTION LEVELS





Front View



Top View

SPECIFICATIONS:

Material: Stainless Steel; Clear Acrylic; Opaque Bullet Resistant Plastic
Finish: Brushed Stainless Steel (Drum Portion and Sides) #4 Finish
Glazing: 1-1/4" (32 mm) Level 1 Acrylic

Lexgard is a registered trademark of G.A.A.G. LLC.

CRL Package Receivers With Steel Doors

- Level 1 and Level 3 Bullet Resistant Protection
- Interlock Security on Doors

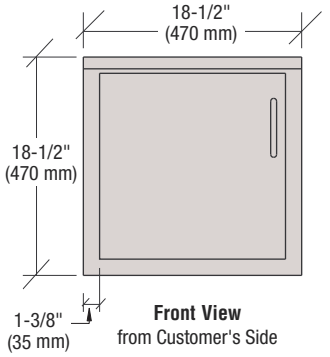
ONLINE INSTALLATION RESOURCES

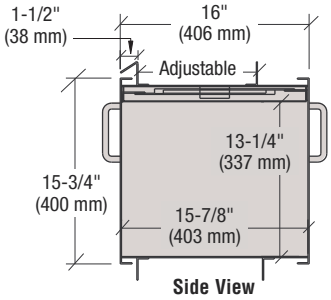
ONLINE ARCHITECTURAL RESOURCES



- Custom Sizes and Features Available

The CRL Package Receiver With Steel Doors is designed for the transfer of larger items. A special interlocking mechanism between the interior and exterior doors allows only one door to be opened at a time. A separate bar latch for the exterior door can be activated from the inside. A closer is furnished on the exterior door. The unit will mount in walls up to 11-1/2" (292 mm) thick, and requires a 15-1/2" x 15-1/2" (394 x 394 mm) wall opening. Units are available with a prime painted housing and prime painted doors, or with a prime painted housing and stainless steel doors.





CAT. NO.	DESCRIPTION	BULLET RESISTANCE	WIDTH*	DEPTH*	HEIGHT*
PPR1	Prime Painted Doors	Level 1	14-3/4" (375 mm)	15-7/8" (403 mm)	13-1/4" (337 mm)
PPR3	Prime Painted Doors	Level 3	14-3/4" (375 mm)	15-7/8" (403 mm)	13-1/4" (337 mm)
SPR1	Stainless Steel Doors	Level 1	14-3/4" (375 mm)	15-7/8" (403 mm)	13-1/4" (337 mm)
SPR3	Stainless Steel Doors	Level 3	14-3/4" (375 mm)	15-7/8" (403 mm)	13-1/4" (337 mm)

Minimum order: 1 each. Must ship common carrier. * Inside Box Dimensions

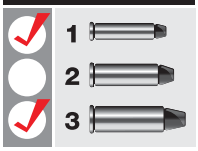
SPECIFICATIONS:

Material: Steel; Stainless Steel
Finish: Brushed Stainless Steel; Prime Painted Steel 11 Gauge; Level 3 Doors are 7 Gauge. #4 Finish on Doors.
Exterior Door is Hinged on Customer's Left Side

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

PROTECTION LEVELS



CRL Package Receivers With Vision Panel Door



- Custom Sizes and Features Available

- Clear Bullet Resistant Panel on Inner Door for Inspection Before Opening
- Level 1 and Level 3 Bullet Resistant Protection
- Interlock Security on Doors

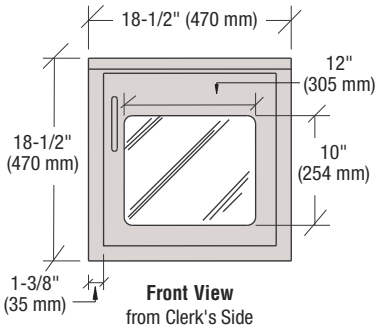
ONLINE INSTALLATION RESOURCES

ONLINE ARCHITECTURAL RESOURCES

Our Package Receivers With Vision Panel Doors have the same design as the SPR1 and SPR3 Stainless Steel Door Package Receivers. They feature a 12" wide x 10" high (305 x 254 mm) Vision Panel in the interior door. This enables the operator to see the contents inside the unit.
Level 1 unit is glazed with 1-1/4" (32 mm) Acrylic;
Level 3 unit is glazed with 1-1/4" (32 mm) Lexgard®.

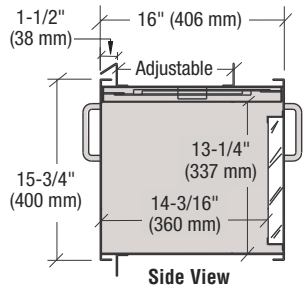


Model SPR3 Shown



CAT. NO.	DESCRIPTION	BULLET RESISTANCE	WIDTH*	DEPTH*	HEIGHT*
SPRVP1	Vision Panel Door	Level 1	14-3/4" (375 mm)	14-3/16" (360 mm)	13-1/4" (337 mm)
SPRVP3	Vision Panel Door	Level 3	14-3/4" (375 mm)	14-3/16" (360 mm)	13-1/4" (337 mm)

Minimum order: 1 each. Must ship common carrier. * Inside Box Dimensions



SPECIFICATIONS:

Materials: Steel; Stainless Steel; Clear Acrylic; Clear Lexgard®
Finish: Brushed Stainless Steel; Prime Painted Steel 11 Gauge; Level 3 Doors are 7 Gauge. #4 Finish on Doors.
Glazing: 1-1/4" (32 mm) Level 1 Acrylic; 1-1/4" (32 mm) Level 3 Lexgard®
Exterior Door is Hinged on Customer's Left Side

CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR

PROTECTION LEVELS



Lexgard is a registered trademark of G.A.A.G. LLC.

CRL Pass-Thru Hopper

ONLINE ARCHITECTURAL RESOURCES

- All Stainless Steel Construction
- Lockable From Clerk's Side (Secure Side)
- Mounts Counter Top, Thru-Wall, or in a Window Opening
- Level 2 Bullet Resistant Protection
- Stock and Custom Sizes Available
- Glass or Wall Fabrication Required

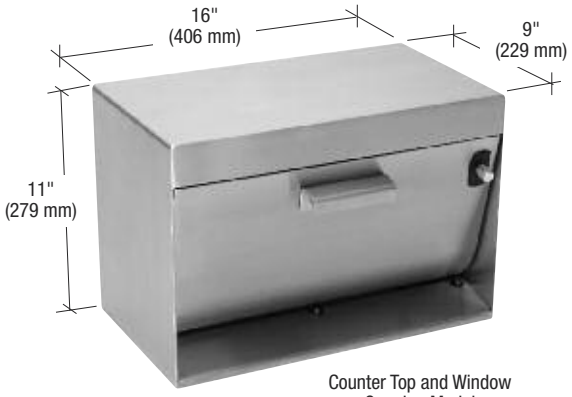
CRL US ALUMINUM MANUFACTURED IN THE USA

INTERIOR EXTERIOR



The CRL Pass-Thru Hopper is the perfect way to complete transactions when security is a concern. The Hopper is simple to operate. The clerk effortlessly pushes outward on the handle and the Hopper pivots towards the customer to start the transaction. Then the clerk gently pulls inward and is able to retrieve the items placed inside the Hopper. The perfect Pass-Thru for convenience stores, gas stations, financial institutions, police stations, jails or detention centers.

The CRL Pass-Thru Hopper is ideal for exchanging moneybags, gallon containers such as milk, as well as two-liter size beverages. It's also available with two adjustable flanges for Thru-Wall applications. Will work on wall thicknesses up to 9" (229 mm). Custom sizes are available upon request.



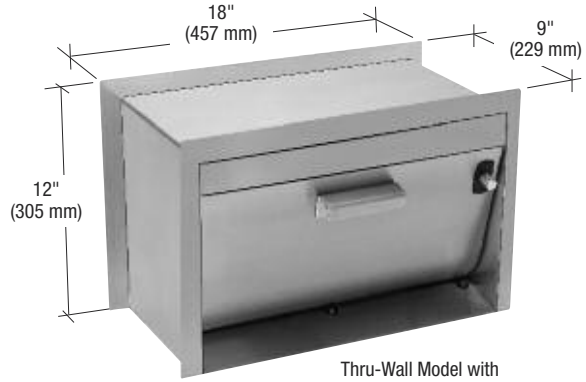
Counter Top and Window Opening Model (Clerk's Side Shown)



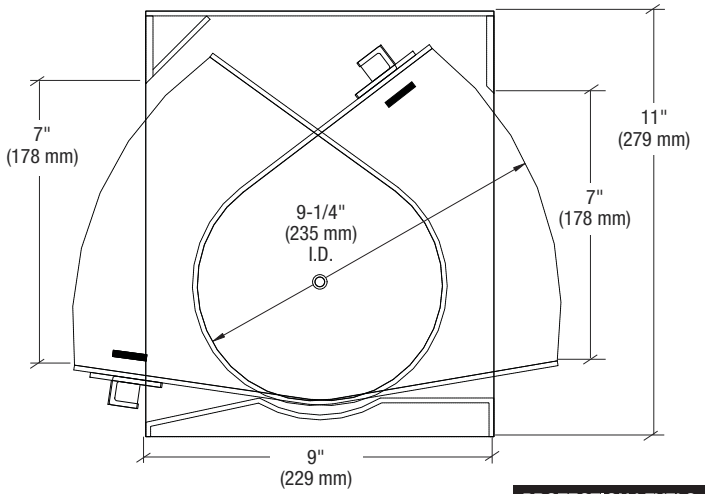
Large 15-5/8" W x 9-1/4" H x 7" D (397 x 235 x 178 mm) Inner Capacity for Bigger Items

SPECIFICATIONS:

Material: Stainless Steel
Finish: Brushed Stainless Steel #4 Finish
11 Gauge Body
14 Gauge Flanges
Glass or Wall Fabrication Required
No installation holes are drilled in body of hopper

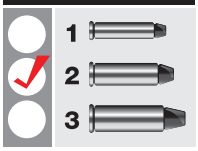


Thru-Wall Model with 1" (25 mm) Flanges (Clerk's Side Shown) Both Flanges are Adjustable



Side View

PROTECTION LEVELS



CAT. NO.	MOUNTING TYPE	WIDTH	DEPTH	HEIGHT
H0P1611	Counter Top/ Window Opening	16" (406 mm)	9" (229 mm)	11" (279 mm)
H0P1611TW	Thru-Wall	18" (457 mm)*	9" (229 mm)	12" (305 mm)*

Minimum order: 1 each. * Measurements for the Thru-Wall Unit include 1" flange on three sides of the Pass-Thru Hopper.

CRL Rotating Drum Service Windows



INTERIOR EXTERIOR

ONLINE INSTALLATION RESOURCES

- For Drive-Thru or Walk-Up Service Windows
- Satin Anodized or Bronze Anodized Finishes
- Built-In Speak-Thru Included

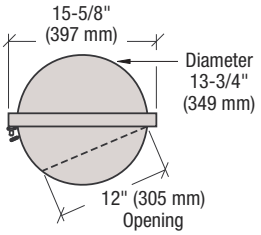
CRL US ALUMINUM MANUFACTURED IN THE USA

Our convenient Rotating Drum Service Window is used to serve packaged goods from an enclosed area. Excellent for drive-up or walk-up service windows. Satin anodized or bronze anodized aluminum frame contains a fixed 1/4" (6 mm) clear tempered glass panel and a Cat. No. 834 Speak-Thru in the upper portion. Lower portion contains a Rotating Drum that will provide pass-through security. Built-in latch prevents unwanted drum rotation. The entire unit's rough opening measures 16-1/8" wide x 36-1/4" high (410 mm x 921 mm).

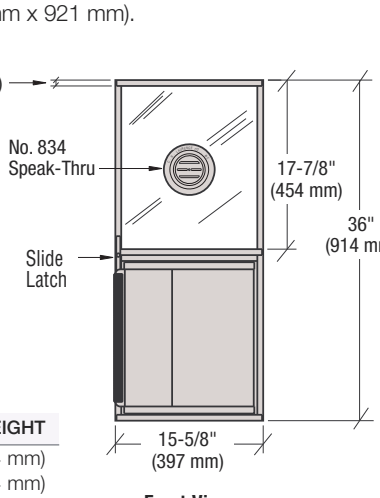


Viewed From Customer's Side

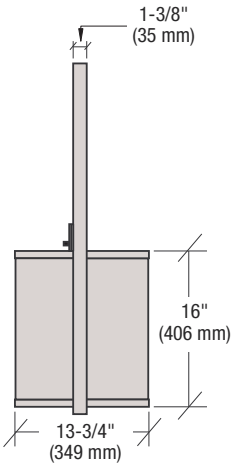
SPECIFICATIONS:
Materials: Aluminum Extrusion; Tempered Safety Glass; 16 Gauge Stainless Steel Drum
Finishes: Brushed Stainless Steel (Drum Portion Only); Frame - Satin Anodized or Bronze Anodized
Glazing: 1/4" (6 mm) Clear Tempered Safety Glass
Speak-Thru: No-Draft Aluminum with Finish to Match Frame



Top View



Front View



Side View

CAT. NO.	FINISH	WIDTH	DEPTH	HEIGHT
RS200A	Satin Anodized	15-5/8" (397 mm)	13-3/4" (349 mm)	36" (914 mm)
RS201DU	Bronze Anodized	15-5/8" (397 mm)	13-3/4" (349 mm)	36" (914 mm)

Minimum order: 1 each.

CRL Framed Rotating Drums

- Stainless Steel Drum



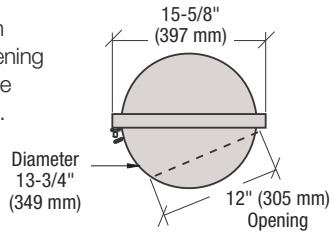
Our Framed Rotating Drum provides pass-through security. Satin anodized or bronze anodized perimeter frame surrounds a stainless steel drum. Built-in latch prevents unwanted drum rotation. Fits a rough opening of 16-1/8" (410 mm) wide x 18-5/8" (473 mm) high.

CRL US ALUMINUM MANUFACTURED IN THE USA

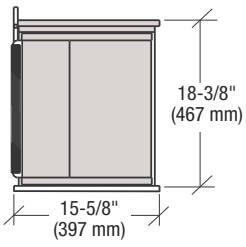
INTERIOR EXTERIOR

ONLINE INSTALLATION RESOURCES

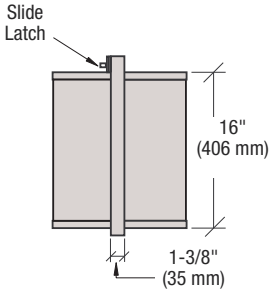
ONLINE ARCHITECTURAL RESOURCES



Top View



Front View



Side View

CAT. NO.	FINISH	WIDTH	DEPTH	HEIGHT
RS200DRUM	Satin Anodized Frame	15-5/8" (397 mm)	13-3/4" (349 mm)	18-3/8" (467 mm)
RS201DRUM	Bronze Anodized Frame	15-5/8" (397 mm)	13-3/4" (349 mm)	18-3/8" (467 mm)

Minimum order: 1 each.

SPECIFICATIONS:
Materials: Aluminum Extrusion; 16 Gauge Stainless Steel Drum
Finishes: Brushed Stainless Steel (Drum Portion Only); Frame - Satin Anodized or Bronze Anodized

CRL Clear View Package Doors

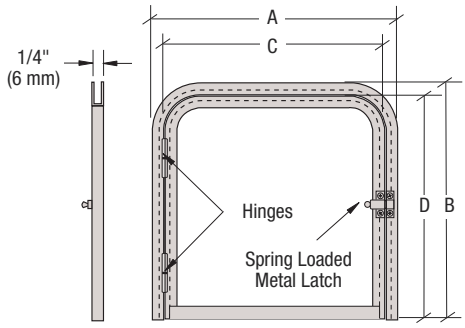


- Installs in 1/4" (6 mm) Glass
- Door Glazed With 1/4" (6 mm) Clear Glass
- Left or Right Handed Models in Two Finishes
- Metal Latch

ONLINE INSTALLATION RESOURCES



The Clear View Package Door provides an unobstructed view of items to be passed before door is opened. It is glazed with 1/4" (6 mm) clear glass, and includes 1/4" (6 mm) vinyl for glazing the frame in the cut-out. Spring loaded metal latch for security and years of reliable service. Satin anodized or duranodic bronze finishes are available hinged left or right from clerk side.
NOTE: These doors do not include spring tension closing.



Side View Inside View

SPECIFICATIONS:
Materials: Extruded Aluminum; Clear Glass; Steel Latch and Hinges
Finishes: Satin Anodized or Bronze Anodized
Glazing: 1/4" (6 mm) Thick Glass
Glass Fabrication: Cut-Out available at crlaurence.com

CAT. NO.	FINISH	HINGED*	OVERALL SIZE (A x B)	OPENING SIZE (C x D)
1213LHA	Satin Anodized	Left	13" x 12-1/2" (330 x 318 mm)	11-3/8" x 11-11/16" (289 x 297 mm)
1213RHA	Satin Anodized	Right	13" x 12-1/2" (330 x 318 mm)	11-3/8" x 11-11/16" (289 x 297 mm)
1213LHDU	Bronze Anodized	Left	13" x 12-1/2" (330 x 318 mm)	11-3/8" x 11-11/16" (289 x 297 mm)
1213RHDU	Bronze Anodized	Right	13" x 12-1/2" (330 x 318 mm)	11-3/8" x 11-11/16" (289 x 297 mm)

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing. * From clerk side.

CRL Package Drops With Aluminum Doors

ONLINE INSTALLATION RESOURCES

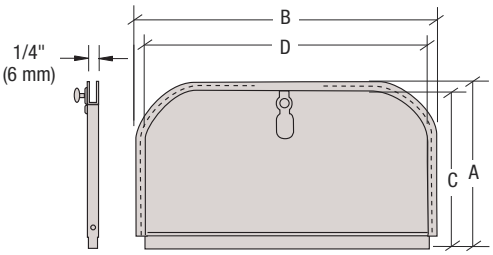






- Largest Size Offers 10" x 8-1/4" (254 x 210 mm) Opening
- Installs in 1/4" (6 mm) Glass
- Fully Reversible
- Metal Latch

These Package Drops are designed to be installed in a grooved counter or horizontal mullion with a glazing pocket for 1/4" (6 mm) glass. The units can also be installed vertically.
NOTE: These doors do not include spring tension closing.



SPECIFICATIONS:
Material: Extruded Aluminum
Finishes: Satin Anodized or Bronze Anodized
Glass Fabrication: Cut-Out available at crlaurence.com

CAT. NO.	FINISH	OVERALL SIZE (A x B)	OPENING SIZE (C x D)
300A	Satin Anodized	10-3/4" x 9-1/4" (273 x 235 mm)	10" x 8-1/4" (254 x 210 mm)
300DU	Bronze Anodized	10-3/4" x 9-1/4" (273 x 235 mm)	10" x 8-1/4" (254 x 210 mm)
522A	Satin Anodized	5-1/8" x 9-7/8" (130 x 251 mm)	4-1/4" x 8-7/8" (108 x 225 mm)
522DU	Bronze Anodized	5-1/8" x 9-7/8" (130 x 251 mm)	4-1/4" x 8-7/8" (108 x 225 mm)
532A	Satin Anodized	5-1/8" x 12-1/2" (130 x 318 mm)	4-1/4" x 11-1/2" (108 x 292 mm)
532DU	Bronze Anodized	5-1/8" x 12-1/2" (130 x 318 mm)	4-1/4" x 11-1/2" (108 x 292 mm)

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.

CRL Deluxe Through-Glass Package Drop

- Full Size Opening Directs Packages to Collection Bin
- Brushed Stainless Steel Face Plate
- Installs in 1/4" to 1" (6 to 25 mm) Glass



ONLINE INSTALLATION RESOURCES

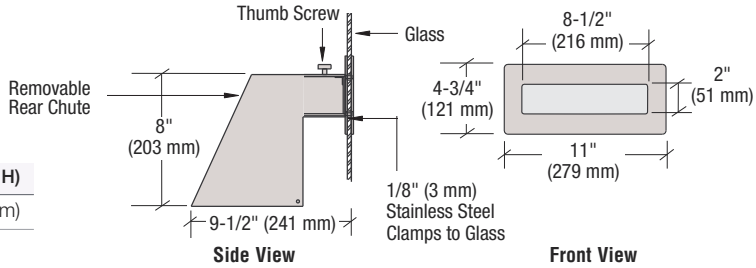


The Deluxe Through-Glass Package Drop allows customers to drop packages after business hours while maintaining store security. The unit fits through a cut-out in the glass and clamps together by tightening four screws. Brushed stainless steel face plate has an 8-1/2" (216 mm) wide x 2" (51 mm) high deposit slot backed by a spring loaded flap that helps reduce air infiltration. A detachable rear chute cover provides additional security, and has a removable spring loaded bar at the base for attachment of the vinyl slide to gently and safely direct packages to a collection bin.

SPECIFICATIONS:
Material: Stainless Steel; Steel; Plastic
Finishes: Brushed Stainless Steel (Face Plate Only); Black ABS Plastic (Rear Chute)
Glass cut-out available at crlaurence.com

CAT. NO.	DESCRIPTION	SLOT SIZE (W x H)
DVD82	Deluxe Through-Glass Package Drop	8-1/2" x 2" (216 x 51 mm)

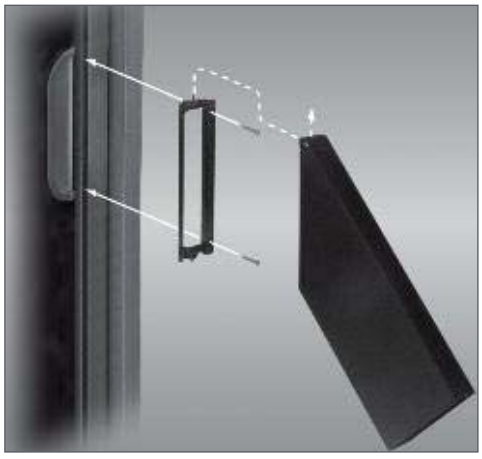
Minimum order: 1 each. All Package Drops can be combined for quantity pricing.



CRL Mail Slot Drop Chute

- Fits Over Standard Mail Slot in Glass Storefront Doors
- Angled Chute is Removable During Business Hours
- Reversible for Left or Right Side of Door



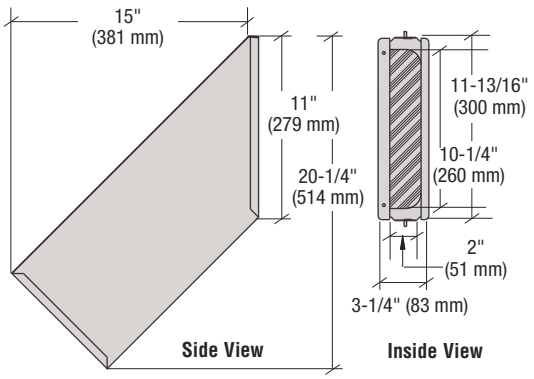


SPECIFICATIONS:
Material: Extruded Aluminum; Steel
Finishes: Mail Slot - Satin Anodized or Bronze Anodized; Rear Chute - Black Painted Steel
Glass cut-out available at crlaurence.com

The Mail Slot Drop Chute is designed to fit behind a standard size mail slot in a glass storefront door. A reversible bracket is affixed to the door directly behind the mail slot. An angled chute is then hung from the bracket to direct deposited mail into a collection bin placed on the floor. Chute is removable for full use of door during business hours. Available with or without a Standard Size Mail Slot for 1/4" (6 mm) thick glass doors in a satin anodized or bronze anodized finish.

CAT. NO.	DESCRIPTION	MAIL SLOT FINISH
EVDA	Chute, Bracket, and Mail Slot	Satin Anodized
EVDDU	Chute, Bracket, and Mail Slot	Bronze Anodized
EVDNS	Chute and Bracket Only	—

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

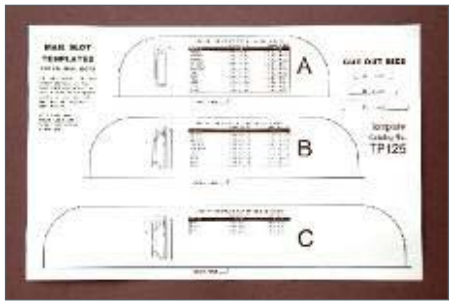


CRL Standard Mail Slots

- Conform to All Postal Regulations
- Full Radius Corners for Easy Cut-Out
- Made to Fit 1/4" (6 mm) Thick Glass
- Concealed Spring Mechanism
- Spring Tension Closing Eliminates Dust and Water Penetration
- Two Sizes and Three Finishes
- Available in Bulk Packs





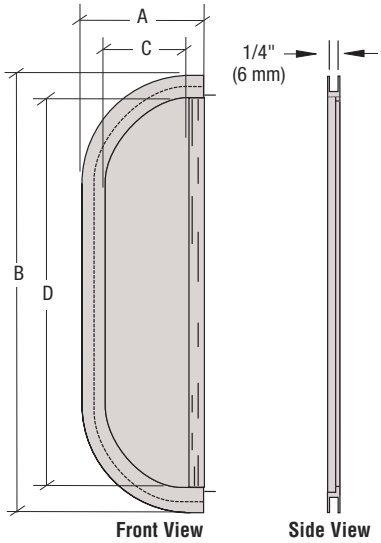


TP125 Template
(order separately or download at **crlaurence.com**

ONLINE INSTALLATION RESOURCES

SPECIFICATIONS:
Material: Extruded Aluminum
Finishes: Satin Anodized, Black Anodized or Bronze Anodized
Glass Fabrication: Glass cut-out available at **crlaurence.com**

CRL Standard Mail Slots are designed to be installed in 1/4" (6 mm) glazed entrance doors. Their full radius corners make for easy glass cut-out and installation. Concealed spring mechanism on flap keeps it closed securely, preventing infiltration of dirt, dust, and water. Standard Mail Slots are available in three popular metal finishes, and are individually packed for protection during handling prior to installation. Installation simply requires application of neutral cure silicone to inside of channel to create a weathertight seal. Openings on both sizes conform to U.S. Postal Service Regulations. Please note that some areas require MS125 Series Mail Slots to meet local postal codes. Also recommended if tenant will be receiving larger packages. If a Mail Slot Template is required order Cat. No. TP125 or download online at **crlaurence.com**.



CAT. NO.	FINISH	OVERALL SIZE (A x B)	OPENING SIZE (C x D)
MS100A	Satin Anodized	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
MS100BL	Black Anodized	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
MS100DU	Bronze Anodized	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
MS125A	Satin Anodized	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)
MS125BL	Black Anodized	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)
MS125DU	Bronze Anodized	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)

Minimum order: 1 each. All Aluminum Mail Slots can be combined for quantity pricing.

CRL Bulk Pack Standard Mail Slots



Standard Mail Slots are also available bulk packed in all one color and size. Exact same high quality product as shown above, yet at lower prices per unit. Order Cat. No. TP125 for Mail Slot Template or download online at **crlaurence.com**. 12 Bulk Mail Slots per carton.

ONLINE INSTALLATION RESOURCES

- Bulk Packaging Lowers Your Cost



CAT. NO.	FINISH	OVERALL SIZE (A x B)	OPENING SIZE (C x D)
BMS100A	Satin Anodized	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
BMS100BL	Black Anodized	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
BMS100DU	Bronze Anodized	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
BMS125A	Satin Anodized	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)
BMS125BL	Black Anodized	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)
BMS125DU	Bronze Anodized	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)

Minimum order: 12 each. All Aluminum Mail Slots can be combined for quantity pricing.

CRL Deluxe Mail Slots With Glass Channel Bar

- All Mechanisms Totally Concealed
- Available With or Without a Latch
- Made to Fit 1/4" (6 mm) Thick Glass
- Spring Tension Closing Eliminates Dust and Water Penetration
- Three Sizes and Two Finishes

Deluxe Mail Slots are furnished with a glass channel bar to fill in the glazing pocket behind the flap. They are available with or without a latch. No mounting screws are required, and all closing mechanisms are concealed. Concealed spring mechanism on flap keeps it closed securely, preventing infiltration of dirt, dust, and water. Deluxe Mail Slots are designed for use with 1/4" (6 mm) glass and are fully reversible. They are available in three sizes and two popular finishes. Order Cat. No. TP125 if a Mail Slot Template is required or download online at **crlaurence.com**.





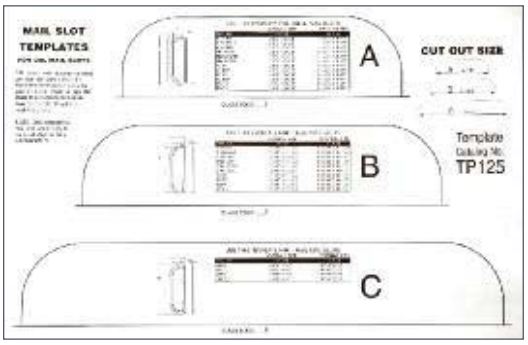




Latched



Unlatched

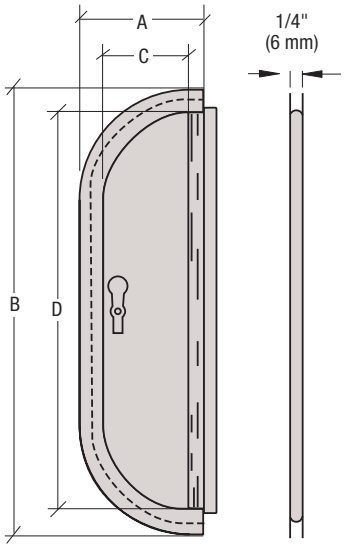


TP125 Template (order separately or download at **crlaurence.com**)

ONLINE INSTALLATION RESOURCES

SPECIFICATIONS:

Material: Extruded Aluminum
Finishes: Satin Anodized or Bronze Anodized
Glass Fabrication: Glass cut-out available at **crlaurence.com**



Front View Side View

WITHOUT LATCH CAT. NO.	WITH LATCH CAT. NO.	FINISH	OVERALL SIZE (A x B)	OPENING SIZE (C x D)
900A	905A	Satin Anodized	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
900DU	905DU	Bronze Anodized	2-5/8" x 9-5/8" (67 x 244 mm)	1-11/16" x 8-5/8" (43 x 219 mm)
922A	925A	Satin Anodized	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)
922DU	925DU	Bronze Anodized	2-5/8" x 12-1/8" (67 x 308 mm)	1-11/16" x 11-1/8" (43 x 283 mm)
933A	935A	Satin Anodized	2-5/8" x 16" (67 x 406 mm)	1-11/16" x 15" (43 x 381 mm)
933DU	935DU	Bronze Anodized	2-5/8" x 16" (67 x 406 mm)	1-11/16" x 15" (43 x 381 mm)

Minimum order: 1 each. All Aluminum Mail Slots can be combined for quantity pricing.

CRL Aluminum Package Drops

- Larger Parcel Capacity
- Made to Fit 1/4" (6 mm) Thick Glass
- Concealed Spring Mechanism
- Spring Tension Closing Eliminates Dust and Water Penetration
- Seven Sizes and Two Finishes
- All With Metal Latch





Aluminum Package Drops are a wider version of our Deluxe Mail Slots. They are preferred in facilities where larger parcels such as manuscripts, legal briefs, video tapes and discs are delivered. Designed to fit into glass doors or sidelites glazed with 1/4" (6 mm) glass. Concealed spring mechanism on flap keeps it closed securely, preventing infiltration of dirt, dust, and water. A turn latch on the flap allows for securing the flap at night, or when not in use. Package Drops are available in seven sizes and two popular finishes.



Latched



Unlatched

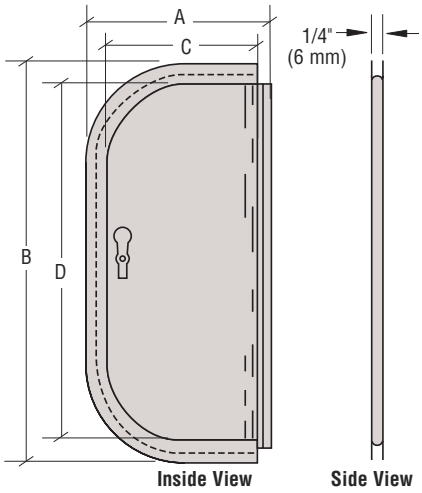
CRL U.S. ALUMINUM MANUFACTURED IN THE USA

ONLINE INSTALLATION RESOURCES

SPECIFICATIONS:
Material: Extruded Aluminum
Finishes: Satin Anodized or Bronze Anodized
Instructions and Template Included
Glass Fabrication: Glass cut-out available at crlaurence.com

CAT. NO.	FINISH	OVERALL SIZE (A x B)	OPENING SIZE (C x D)
9412A	Satin Anodized	4-1/2" x 12" (114 x 305 mm)	3-9/16" x 11" (90 x 279 mm)
9412DU	Bronze Anodized	4-1/2" x 12" (114 x 305 mm)	3-9/16" x 11" (90 x 279 mm)
9414A	Satin Anodized	4" x 14" (102 x 356 mm)	3-1/16" x 13" (78 x 330 mm)
9414DU	Bronze Anodized	4" x 14" (102 x 356 mm)	3-1/16" x 13" (78 x 330 mm)
9416A	Satin Anodized	4" x 16" (102 x 406 mm)	3-1/16" x 15" (78 x 381 mm)
9416DU	Bronze Anodized	4" x 16" (102 x 406 mm)	3-1/16" x 15" (78 x 381 mm)
9418A	Satin Anodized	4" x 18" (102 x 457 mm)	3-1/16" x 17" (78 x 432 mm)
9418DU	Bronze Anodized	4" x 18" (102 x 457 mm)	3-1/16" x 17" (78 x 432 mm)
9514A	Satin Anodized	5" x 14" (127 x 356 mm)	4-1/16" x 13" (103 x 330 mm)
9514DU	Bronze Anodized	5" x 14" (127 x 356 mm)	4-1/16" x 13" (103 x 330 mm)
9516A	Satin Anodized	5" x 16" (127 x 406 mm)	4-1/16" x 15" (103 x 381 mm)
9516DU	Bronze Anodized	5" x 16" (127 x 406 mm)	4-1/16" x 15" (103 x 381 mm)
9518A	Satin Anodized	5" x 18" (127 x 457 mm)	4-1/16" x 17" (103 x 432 mm)
9518DU	Bronze Anodized	5" x 18" (127 x 457 mm)	4-1/16" x 17" (103 x 432 mm)

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.



CRL MAIL SLOTS AND PACKAGE DROPS

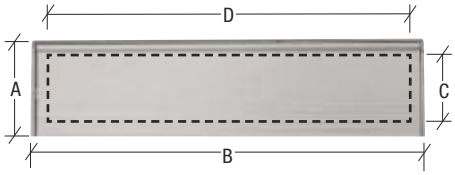
CRL No-Draft Mail Slots

ONLINE INSTALLATION RESOURCES

- 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.

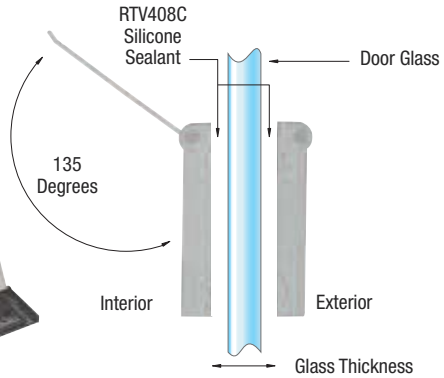




Exterior Side



Interior Side



End View

CAT. NO.	FINISH	OVERALL SIZE (A X B)	OPENING SIZE (C X D)
NDMS13A	Satin Anodized	3" x 11-1/2" (76 x 292 mm)	1-7/16" x 9-3/4" (37 x 248 mm)
NDMS13BL	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**

CRL Frameless 'All-Glass' Mail Slots

ONLINE INSTALLATION RESOURCES

- Beautiful Accessory for Frameless 'All-Glass' Entrance Doors
- Made to Fit 1/2" (12 mm) Thick Glass
- Spring Tension Closing
- Four Finishes Available

Another CRL innovation is our brass constructed Frameless Mail Slot for commercial 'all-glass' entrance doors. This easy to install unit features a 1/2" (12 mm) glass flap with a pair of spring hinges that will fit 1/2" (12 mm) thick glass. It's a beautiful alternative to the traditional aluminum mail slot. Available in four architectural finishes to complement our Door Rail and Patch Hardware. Custom finishes are also available.







U.S. Patent D480, 200

CAT. NO.	FINISH
FMS500BN	Brushed Nickel
FMS500BR	Lacquered Brass
FMS500CH	Polished Chrome
FMS500SC	Satin Chrome

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

SPECIFICATIONS:
Material: Solid Brass
Glazing: 1/2" (12 mm) Glass
Glass Fabrication: Cut-Out Required
Instructions and Templates Included







4

BLAST MITIGATION SYSTEMS

PAGES
T529 - T544

Blast Resistant Curtain Wall System NEW!

Blast Resistant Entrance Doors NEW!

Blast Resistant Storefront Systems NEW!

Blast Resistant Fixed Windows NEW!

Blast Resistant Single Hung Windows NEW!

Blast Resistant Sliding Windows NEW!

DEFENDER

BLAST MITIGATION PRODUCTS



CRL US ALUMINUM
crlaurence.com • usalum.com

These products and more can be found in this catalog section. On the bottom of each page are direct search instructions for viewing them on our web site. You can also enter the catalog number into the search box for a direct link to the product and others in that category. To view other products, click on the link to our Catalog Library found on the web site home page.

CRL Blast Resistant Entrance Doors

PAGES T529

- Tested in Accordance With DoD, GSA, and ASTM Protocols

BT601, BR604, and BR606 Blast Resistant Entrance Door Systems are engineered and successfully tested to withstand blast pressures of 1 to 6 PSI.



DEFENDER
BLAST MITIGATION PRODUCTS



CRL Blast Resistant Storefronts

PAGES T530-T537

- Tested in Compliance With Miami/Dade County Protocol and DoD UFC 4-010-01
- For 1-5/16" (33 mm) Impact Resistant Glazing

Our Blast Mitigation Storefront Systems are engineered and successfully tested to withstand explosions from pressure levels of 1 to 6 PSI. The Series BT601 has been engineered and tested to perform in accordance with UFC 4-010-01 (Jan 07) Protocols, allowing the system to be specified for DoD, GSA, and private sector projects.



CRL Blast Resistant Curtain Wall

PAGES T538-T541

- Designed for Use With 1" (25 mm) Laminated Glass
- UFC 4-010-01 Compliant

Our Blast Mitigation Curtain Wall Systems are engineered and successfully tested to withstand explosions from pressure levels of 2.91, 4.4, and 10.8 PSI. The Defender Series BW3250 Curtain Wall has been engineered and tested to perform in accordance with UFC 4-010-01 protocols, allowing the system to be specified for DoD, GSA, and private sector projects.



CRL Blast Resistant Windows

PAGES T542-T544

- DoD UFC 4-010-01, ATFP, ISC Security Design Criteria for Blast Protection for Windows, ASTM F 1642

Our Defender Blast Resistant Windows are available in single hung, fixed, and horizontal sliding versions that are all DoD Blast Rated for 1 PSI. All of these windows utilize high performance glazing, are AAMA Rated, NFRC Certified, and can be ordered in an array of architectural coatings and anodized finishes.



CRL-U.S. Aluminum Series BT601, BR604 and BR606 Defender Doors

- Blast Resistant Entrances for 1-5/16" (33 mm) Glazing
- Tested in Accordance With DoD, GSA, and ASTM Protocols

BT601, BR604, and BR606 Blast Resistant Entrance Systems are engineered and successfully tested to withstand blast pressures of 1 to 6 PSI. These unique Entrance Systems utilize our Storm Front™ Entrance and feature screw spline assembly for panel erection, insulating glass siliconed in place, high performance subsill, and steel reinforced mullions. Made in the U.S.A.

For additional information go to **crlaurence.com/blast-mitigation** or contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

DEFENDER
BLAST MITIGATION PRODUCTS



Tested to Withstand Blast Pressure of 1 to 6 PSI

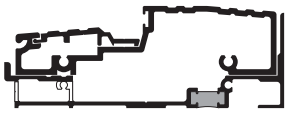


Defender Series Blast Resistant
Out-Swing Entrance Door (Exterior View)

- Threshold Choices



Low Profile
Air Resistant Threshold



High Performance
Water Resistant Threshold

A Low Profile Air Resistant Threshold is offered for installations that have soffit overhangs greater than the entrance frame height. High Performance Water Resistant Thresholds are offered to provide superior water and air management, along with ramps to meet A.D.A. requ

SERIES	BLAST LOAD	STILES	TOP RAIL	BOTTOM RAIL	APPLICATIONS
BT601 **BR604** **BR606**	1 PSI 4.4 PSI 6.0 PSI	4-5/8" (118 mm)	4-11/16" (119 mm)	7-5/16" (186 mm)	Entrances Requiring Blast Mitigation
A.D.A Bottom Rail Option				10" (254 mm)	

CRL-U.S. Aluminum Series BT601 Blast Resistant Storefront

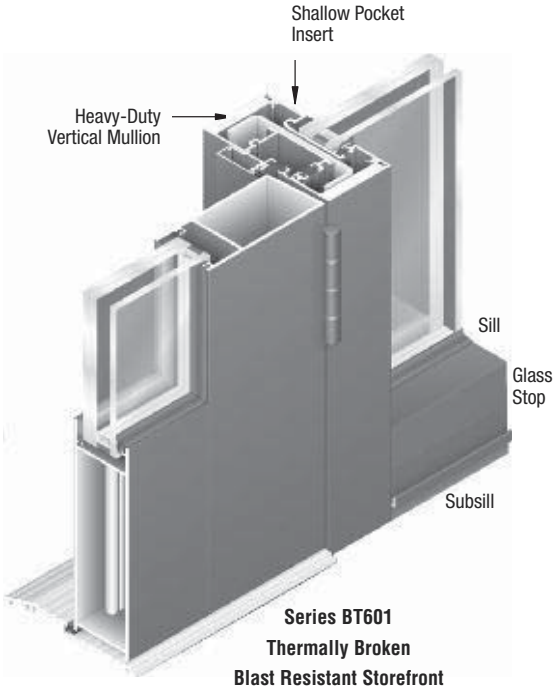
- 2-1/2" (64 mm) Face Width x 5" (127 mm) Depth
- Thermally Broken
- Tested in Compliance With Both DoD UFC 4-010-01 Blast Resistance and Miami/Dade HVHZ Protocols
- For 1-5/16" (33 mm) Impact Resistant Glazing
- Screw Spline Assembly
- Three Finishes Plus Custom Paint Available



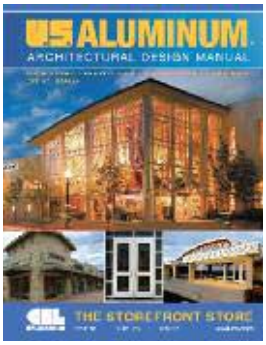
The BT601 Blast Resistant Storefront System is engineered and successfully tested to withstand a blast pressure of 1 PSI. This unique Storefront System utilizes our High Performance BT601 Entrance and features screw spline assembly for panel erection, insulating glass siliconed in place, high performance subsill, and steel reinforced mullions.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

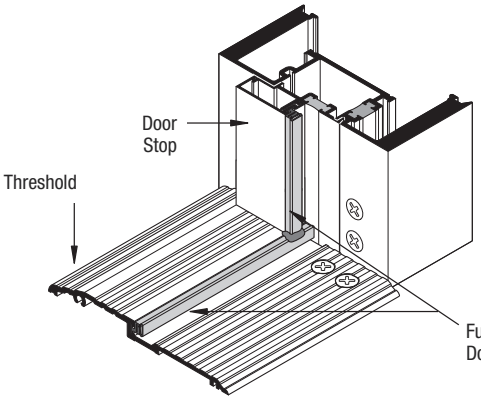
DEFENDER
BLAST MITIGATION PRODUCTS

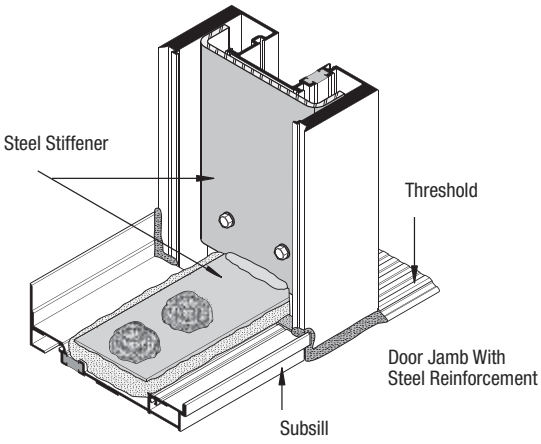


Series BT601
Thermally Broken
Blast Resistant Storefront



Complete specifications, detailed assembly drawings, windload and deadload charts, can be found in our USAL14 U.S. Aluminum Architectural Design Manual, available for viewing, download or order from the Catalog Library at **crlaurence.com/catalogs**.





SERIES	BLAST LOAD	FACE WIDTH	BACK MEMBER DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
BT601	1 PSI	2-1/2" (64 mm)	5" (127 mm)	1-5/16" (33 mm)	Exterior	Storefronts in Locations Requiring Blast Resistant Performance

TOLL Phone: (800) 421-6144
FREE Fax: (800) 262-3299
From Anywhere in the U.S. or Canada

CRL-U.S. Aluminum Series BT601 Blast Resistant Storefront Profiles

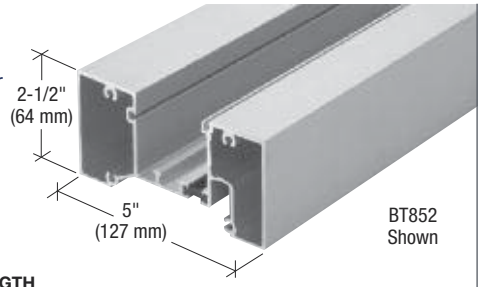
DEFENDER
BLAST MITIGATION PRODUCTS

- Clear, Bronze, and Black Anodized Finishes
- Duranar® and Duranar® Sunstorm® Color Coatings on Request

For Accessories, see page T533

Headers

- Thermally Broken for Screw Race Joinery
- BT852 for Transoms and Jambs
- BT853 for Doors



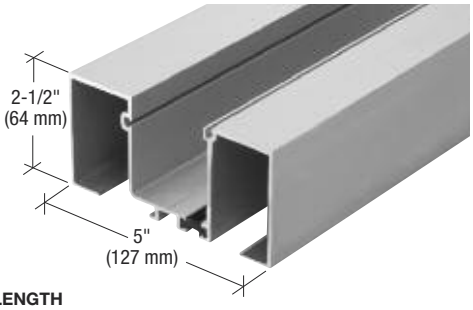
BT852 Shown

24'-2" (7.3 M) STOCK LENGTH

HEAD/JAMB CAT. NO.	DOOR HEADER CAT. NO.	FINISH
BT85211	BT85311	Clear Anodized
BT85222	BT85322	Bronze Anodized
BT85233	BT85333	Black Anodized

Deep Pocket Wall Jamb

- Thermally Broken

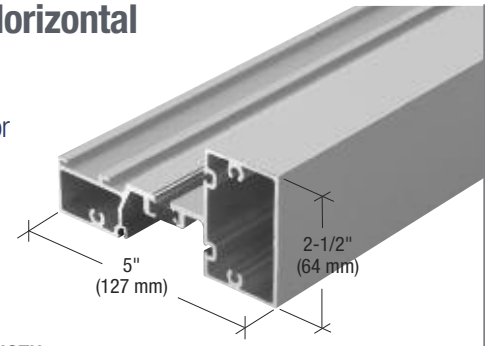


24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BT80511	Clear Anodized
BT80522	Bronze Anodized
BT80533	Black Anodized

Intermediate Horizontal Mullion

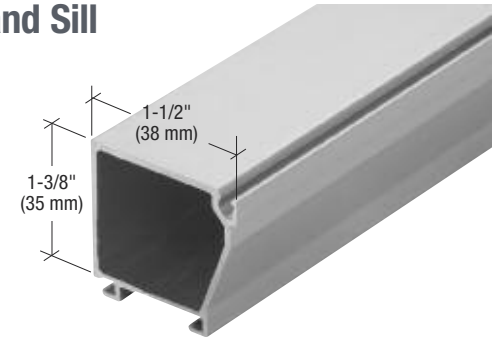
- Thermally Broken for Screw Race Joinery



24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BT86211	Clear Anodized
BT86222	Bronze Anodized
BT86233	Black Anodized

Horizontal and Sill Glass Stop

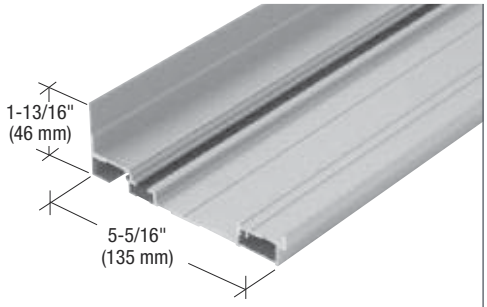


24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BR86311	Clear Anodized
BR86322	Bronze Anodized
BR86333	Black Anodized

Subsill

- Thermally Broken

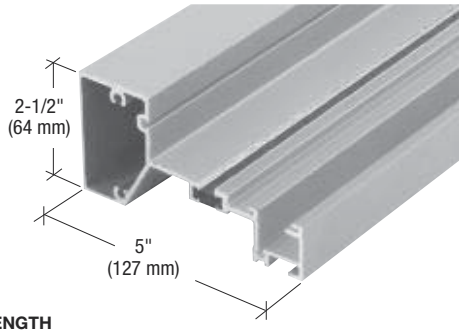


24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BT87011	Clear Anodized
BT87022	Bronze Anodized
BT87033	Black Anodized

Sill

- Thermally Broken for Screw Race Joinery



24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BT87211	Clear Anodized
BT87222	Bronze Anodized
BT87233	Black Anodized

Minimum order: 1 stock length. All CRL-U.S. Aluminum Extrusions can be combined for quantity pricing. F.O.B. CRL Service Centers. Must ship common carrier.

Duranar and Sunstorm are registered trademarks of PPG Industries Ohio, Inc.

CRL-U.S. Aluminum Series BT601 Blast Resistant Storefront Profiles

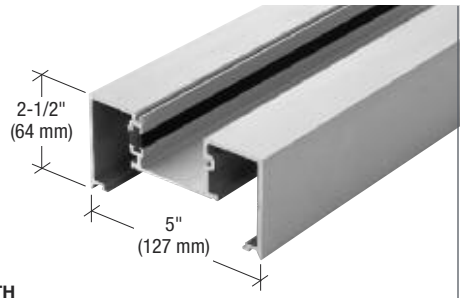
- Clear, Bronze, and Black Anodized Finishes
- Duranar® and Duranar® Sunstorm® Color Coatings on Request

DEFENDER
BLAST MITIGATION PRODUCTS

For Accessories, see page T533

Open Back Vertical Mullion

- Thermally Broken

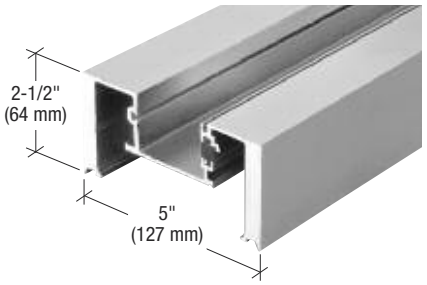


24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BT81511	Clear Anodized
BT81522	Bronze Anodized
BT81533	Black Anodized

Heavy-Duty Vertical Mullion

- Thermally Broken

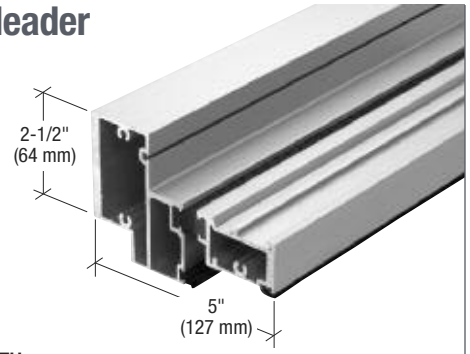


24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BT83511	Clear Anodized
BT83522	Bronze Anodized
BT83533	Black Anodized

Transom Door Header for Surface Closer

- Thermally Broken for Screw Race Joinery

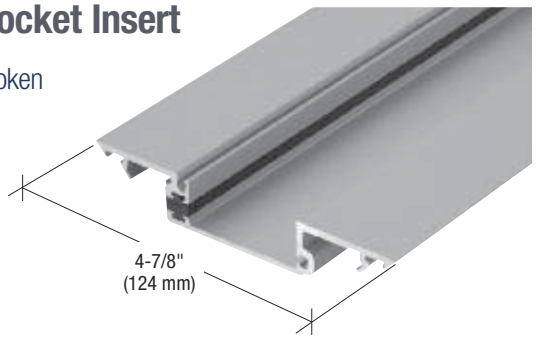


24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BT86711	Clear Anodized
BT86722	Bronze Anodized
BT86733	Black Anodized

Shallow Pocket Insert

- Thermally Broken

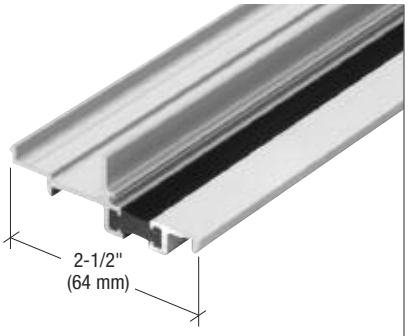


24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BT80411	Clear Anodized
BT80422	Bronze Anodized
BT80433	Black Anodized

Door Stop Insert

- Thermally Broken

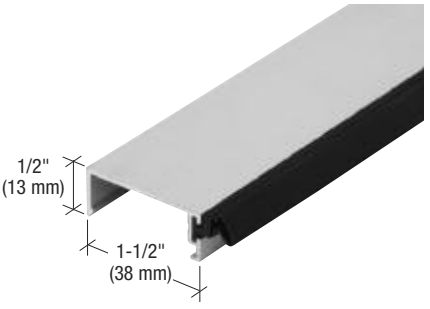


21'-2" (6.4 M) STOCK LENGTH

CAT. NO.	FINISH
BT84711	Clear Anodized
BT84722	Bronze Anodized
BT84733	Black Anodized

Door Stop With Weatherseal

- Used With BT847



21'-2" (6.4 M) STOCK LENGTH

CAT. NO.	FINISH
1G14611	Clear Anodized
1G14622	Bronze Anodized
1G14633	Black Anodized

Minimum order: 1 stock length. All CRL-U.S. Aluminum Extrusions can be combined for quantity pricing. F.O.B. CRL Service Centers. Must ship common carrier.

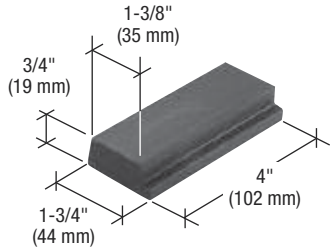
Duranar and Sunstorm are registered trademarks of PPG Industries Ohio, Inc.

CRL-U.S. Aluminum Series BT601 Blast Resistant Storefront Accessories

DEFENDER
BLAST MITIGATION PRODUCTS

Setting Block

- For Use With 1-5/16" (33 mm) Glass

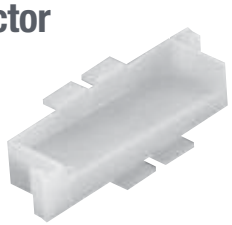


CAT. NO.	QTY/PKG
SB117	100

Minimum order: 1 pack.

Water Deflector

- Used in Shallow Pocket

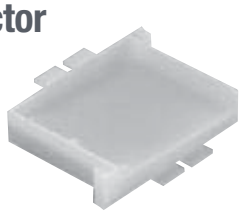


CAT. NO.	QTY/PKG
WD911	50

Minimum order: 1 pack.

Water Deflector

- WD912 Used in Deep Pocket
- WD913 Used in Jamb Pocket



CAT. NO.	QTY/PKG
WD912	50
WD913	50

Minimum order: 1 pack.

Subsill Splice Sleeve

- Used With Subsills



CAT. NO.	QTY/PKG
SV102	10

Minimum order: 1 pack.

Drill Jig

- For Horizontal to Vertical Joinery



CAT. NO.	QTY/PKG
DJ601	1

Minimum order: 1 each.

Steel Stiffeners

- 8 Gauge



SS05710 Shown

CAT. NO.	LENGTH
SS05710	10'-0" (3.05 m)
SS05810	10'-0" (3.05 m)

Minimum order: 1 stock length. Must ship common carrier.

End Dam

- Used to Control Infiltrated Water



CAT. NO.	QTY/PKG
EC870	20

Minimum order: 1 pack.

Silicone Rubber Spacer Gasket



CAT. NO.	COLOR	ROLL LENGTH
SP250	Black	250' (76 m)

Minimum order: 1 roll.

Universal EPDM Storefront Gasket



CAT. NO.	COLOR	ROLL LENGTH
NP225	Black	500' (152.4 m)

Minimum order: 1 roll.

Assembly Screw

- #12 x 2" (51 mm) Hex Washer Head Sheet Metal Screw
- For Screw Spline Joinery



CAT. NO.	QTY/PKG
ST286	100

Minimum order: 1 pack.

Assembly Screw

- #12 x 3/4" (19 mm) Hex Washer Head Sheet Metal Screw
- Sill to Subsill Attachment



CAT. NO.	QTY/PKG
ST268	100

Minimum order: 1 pack.

Assembly Screw

- #10 x 3/8" (10 mm) Flat Head Phillips Sheet Metal Screw
- Used With BT835/SS057



CAT. NO.	QTY/PKG
ST238	100

Minimum order: 1 pack.

Assembly Screw

- #8 x 1/2" (13 mm) Flat Head Phillips Sheet Metal Screw
- End Dam Fasteners



CAT. NO.	QTY/PKG
ST173	100

Minimum order: 1 pack.

CRL-U.S. Aluminum Series BR604 and BR606 Blast Resistant Storefronts

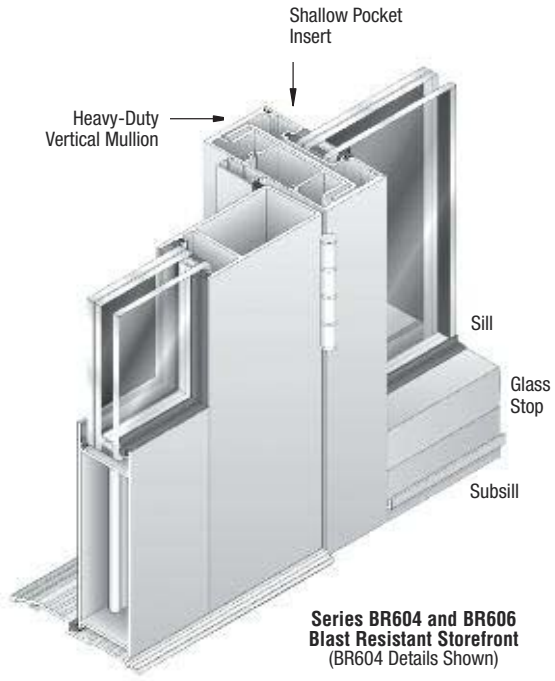
- 2-1/2" (64 mm) Face Width x 5" (127 mm) Depth
- Tested in Compliance With DoD UFC 4-010-01 Blast Resistance
- For 1-5/16" (33 mm) Impact Resistant Glazing
- Screw Spline Assembly
- Three Finishes Plus Custom Paint Available



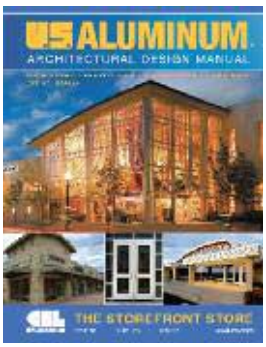
The BR604 Blast Resistant Storefront System is engineered and successfully tested to withstand a blast pressure of 4.4 PSI, and the BR606 Blast Resistant Storefront System is engineered to withstand a blast pressure of 6.0 PSI. These unique Storefront Systems utilize our High Performance BR604 and BR606 Defender Entrance Doors and feature screw spline assembly for panel erection, insulating glass siliconed in place, high performance subsill, and steel reinforced mullions.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

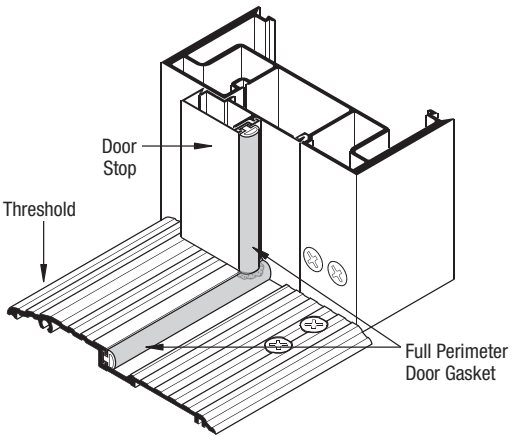
DEFENDER
BLAST MITIGATION PRODUCTS

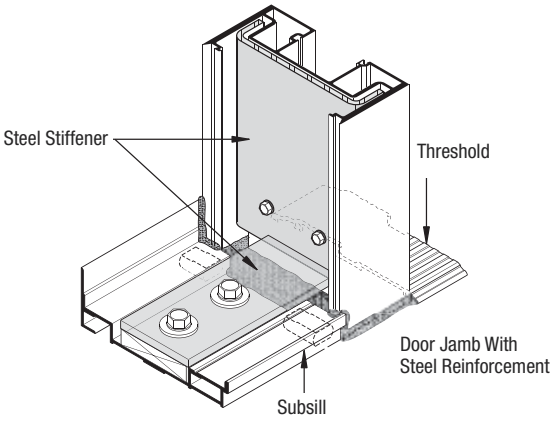


Series BR604 and BR606 Blast Resistant Storefront
(BR604 Details Shown)



Complete specifications, detailed assembly drawings, windload and deadload charts, can be found in our USAL14 U.S. Aluminum Architectural Design Manual, available for viewing, download or order from the Catalog Library at **crlaurence.com/catalogs**.





SERIES	BLAST LOAD	FACE WIDTH	BACK MEMBER DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
BR604 BR606	4.4 PSI 6.0 PSI	2-1/2" (64 mm)	5" (127 mm)	1-5/16" (33 mm)	Exterior	Storefronts in Locations Requiring Blast Resistant Performance

CRL-U.S. Aluminum Series BR604 and BR606 Blast Resistant Storefront Profiles

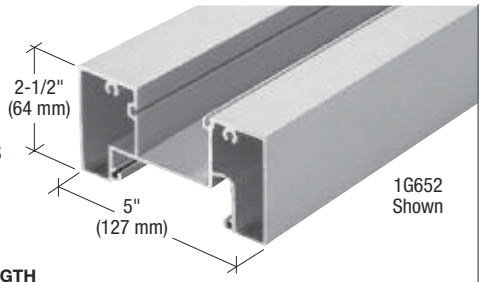
DEFENDER
BLAST MITIGATION PRODUCTS

- Clear, Bronze, and Black Anodized Finishes
- Duranar® and Duranar® Sunstorm® Color Coatings on Request

For Accessories, see page T537

Headers

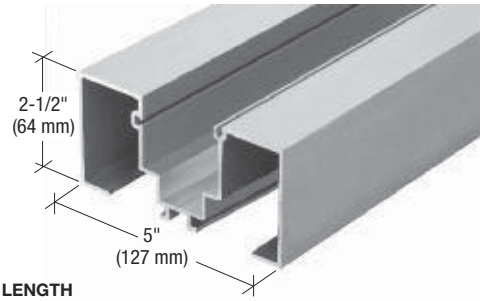
- For Screw Race Joinery
- 1G652 for Transoms and Jambs
- 1G668 for Doors



24'-2" (7.3 M) STOCK LENGTH

HEAD/JAMB CAT. NO.	DOOR HEADER CAT. NO.	FINISH
1G65211	1G66811	Clear Anodized
1G65222	1G66822	Bronze Anodized
1G65233	1G66833	Black Anodized

Deep Pocket Wall Jamb

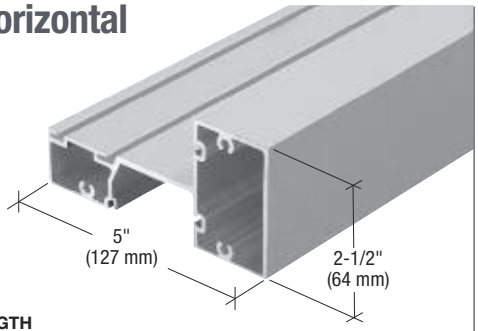


24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
1G60511	Clear Anodized
1G60522	Bronze Anodized
1G60533	Black Anodized

Intermediate Horizontal Mullion

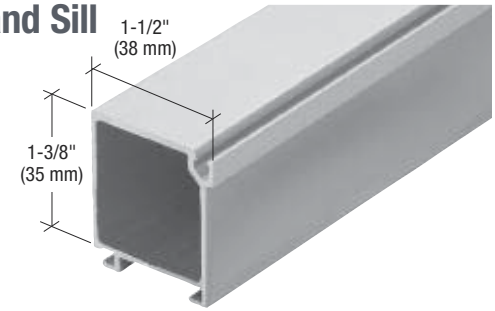
- For Screw Race Joinery



24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
1G66211	Clear Anodized
1G66222	Bronze Anodized
1G66233	Black Anodized

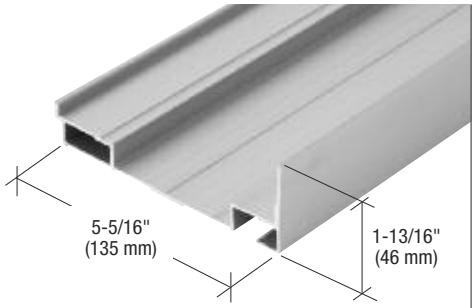
Horizontal and Sill Glass Stop



24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
1G66311	Clear Anodized
1G66322	Bronze Anodized
1G66333	Black Anodized

Subsill

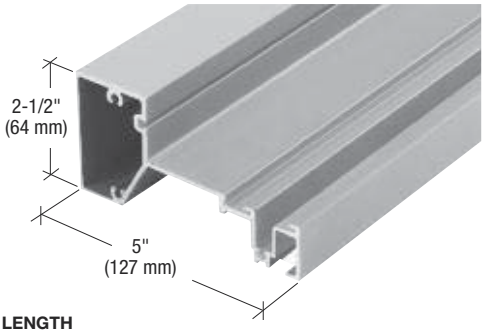


24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
1G57011	Clear Anodized
1G57022	Bronze Anodized
1G57033	Black Anodized

Sill

- For Screw Race Joinery



24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
1G67211	Clear Anodized
1G67222	Bronze Anodized
1G67233	Black Anodized

Minimum order: 1 stock length. All CRL-U.S. Aluminum Extrusions can be combined for quantity pricing. F.O.B. CRL Service Centers. Must ship common carrier.

Duranar and Sunstorm are registered trademarks of PPG Industries Ohio, Inc.

CRL-U.S. Aluminum Series BR604 and BR606 Blast Resistant Storefront Profiles

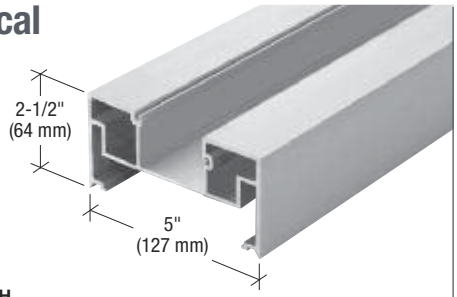
DEFENDER BLAST MITIGATION PRODUCTS

- Clear, Bronze, and Black Anodized Finishes
- Duranar® and Duranar® Sunstorm® Color Coatings on Request

For Accessories, see page T537

Open Back Vertical Mullion

- For BR604 Series

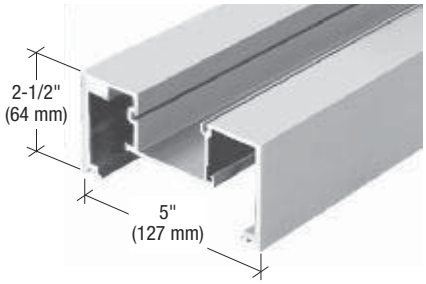


24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
1G61511	Clear Anodized
1G61522	Bronze Anodized
1G61533	Black Anodized

Heavy-Duty Vertical Mullion

- For BR606 Series

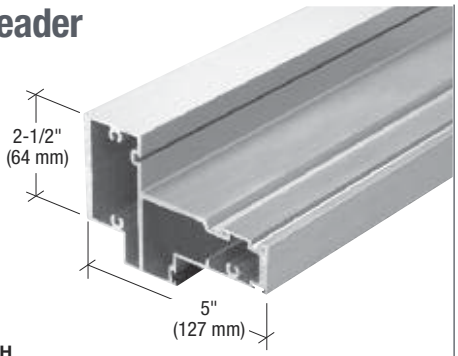


24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BR31511	Clear Anodized
BR31522	Bronze Anodized
BR31533	Black Anodized

Transom Door Header for Surface Closer

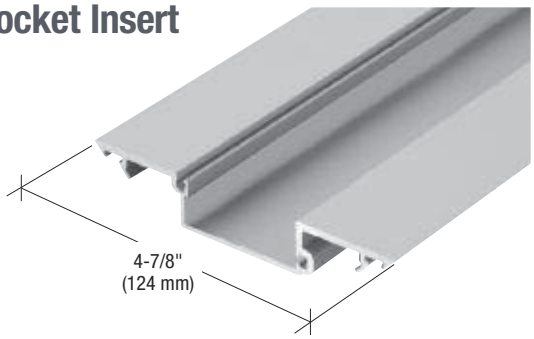
- For Screw Race Joinery



24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
1G66711	Clear Anodized
1G66722	Bronze Anodized
1G66733	Black Anodized

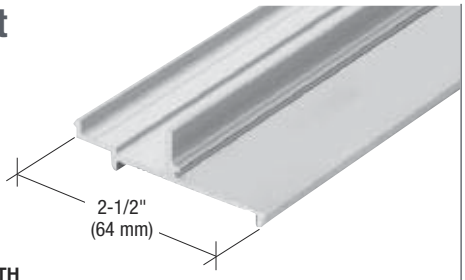
Shallow Pocket Insert



24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
1G60411	Clear Anodized
1G60422	Bronze Anodized
1G60433	Black Anodized

Door Stop Insert

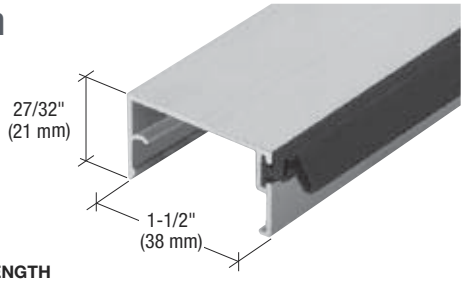


21'-2" (6.4 M) STOCK LENGTH

CAT. NO.	FINISH
BR34711	Clear Anodized
BR34722	Bronze Anodized
BR34733	Black Anodized

Door Stop With Weatherseal

- Used With BR347



21'-2" (6.4 M) STOCK LENGTH

CAT. NO.	FINISH
BR34611	Clear Anodized
BR34622	Bronze Anodized
BR34633	Black Anodized

Minimum order: 1 stock length. All CRL-U.S. Aluminum Extrusions can be combined for quantity pricing. F.O.B. CRL Service Centers. Must ship common carrier.

Duranar and Sunstorm are registered trademarks of PPG Industries Ohio, Inc.

CRL-U.S. Aluminum Series BR604 and BR606 Blast Resistant Storefront Accessories

DEFENDER
BLAST MITIGATION PRODUCTS

Shear Block

- For Horizontal Mullions
- Screws Included

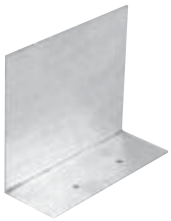


CAT. NO.	USED WITH	QTY/PKG
AP004	BR606	10

Minimum order: 1 pack.

End Dam

- Used to Control Infiltrated Water



CAT. NO.	QTY/PKG
EC801	20

Minimum order: 1 pack.

Subsill Splice Sleeve

- Used With Subsills

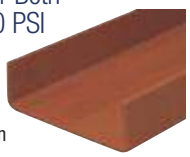


CAT. NO.	QTY/PKG
SV102	10

Minimum order: 1 pack.

Steel Stiffeners

- Available for Both 4.4 and 6.0 PSI Loads



BS36010 Shown

CAT. NO.	FOR PSI	LENGTH
BS36010	4.4	10'-0" (3.05 m)
BS36510	6.0	10'-0" (3.05 m)

Minimum order: 1 stock length.
Must ship common carrier.

Water Deflector

- Used in Shallow Pocket

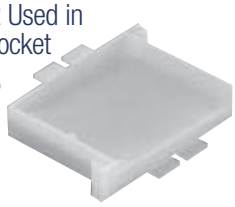


CAT. NO.	QTY/PKG
WD911	50

Minimum order: 1 pack.

Water Deflector

- WD912 Used in Deep Pocket
- WD913 Used in Jamb Pocket

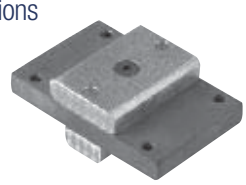


CAT. NO.	QTY/PKG
WD912	50
WD913	50

Minimum order: 1 pack.

Drill Jig

- For Horizontal Mullions

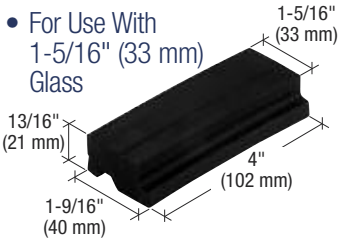


CAT. NO.	QTY/PKG
DJ801	1

Minimum order: 1 each.

Setting Block

- For Use With 1-5/16" (33 mm) Glass



CAT. NO.	QTY/PKG
SB917	100

Minimum order: 1 pack.

Spacer Gasket for Butt Glazing

- Silicone Rubber



CAT. NO.	COLOR	ROLL LENGTH
SP250	Black	250' (76 m)

Minimum order: 1 roll.

Universal EPDM Storefront Gasket



CAT. NO.	COLOR	ROLL LENGTH
NP225	Black	500' (152.4 m)

Minimum order: 1 roll.

Assembly Screw

- #8 x 1/2" (13 mm) Pan Head Phillips Sheet Metal Screw
- Splice Sleeve Fasteners



CAT. NO.	QTY/PKG
ST206	100

Minimum order: 1 pack.

Assembly Screw

- #8 x 1/2" (13 mm) Flat Head Phillips Sheet Metal Screw
- End Dam Fasteners



CAT. NO.	QTY/PKG
ST173	100

Minimum order: 1 pack.

Assembly Screw

- #10 x 3/4" (19 mm) Flat Head Tek Screw
- Used With BR315/BS365



CAT. NO.	QTY/PKG
ST248	100

Minimum order: 1 pack.

Assembly Screw

- #12 x 3/4" (19 mm) Hex Washer Head Sheet Metal Screw
- Sill to Subsill Attachment



CAT. NO.	QTY/PKG
ST268	100

Minimum order: 1 pack.

Assembly Screw

- #12 x 1" (25 mm) Hex Washer Head Sheet Metal Screw
- Used for Reinforcement to Vertical Mullion



CAT. NO.	QTY/PKG
ST266	100

Minimum order: 1 pack.

Assembly Screw

- #12 x 2" (51 mm) Hex Washer Head Sheet Metal Screw
- For Screw Spline Joinery



CAT. NO.	QTY/PKG
ST286	100

Minimum order: 1 pack.

CRL-U.S. Aluminum Blast Resistant Series BW3250 Curtain Wall

- Thermally Improved
- 2-1/2" (64 m) Face Dimension
- 8" (203 mm) System Depth
- For 1" (25 mm) Laminated Insulating Glazing
- UFC 4-010-01 Compliant
- Exterior Glazed
- Silicone Glazed

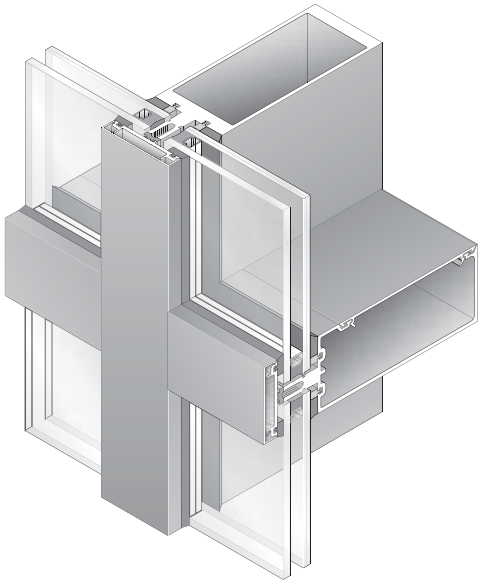


Strength, versatility and economics make Series BW3250 Blast Resistant Curtain Wall an industry standard for low to mid-rise applications where blast protection is required. Based on our top-selling Series 3250 Curtain Wall system, the Blast Wall offers the blast mitigation protection required by the Unified Facilities Criteria 4-010-01. Series BW3250 is thermally improved by a continuous thermal spacer interlocked with the horizontal and vertical pressure plates. Dual or two-tone colors can be achieved by specifying different finishes for the exterior face covers and interior mullions. Two piece horizontals and extruded shear blocks allow for a concealed horizontal to vertical joint. BW3250 requires that 1" (25 mm) insulating impact resistant glazing be used.

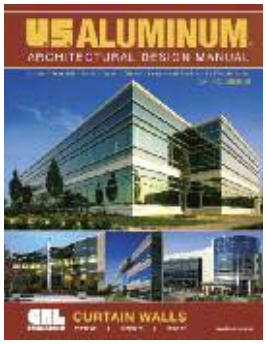
For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

DEFENDER
BLAST MITIGATION PRODUCTS

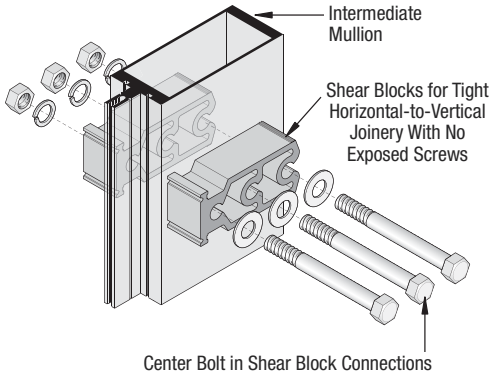
- Open Back Horizontals



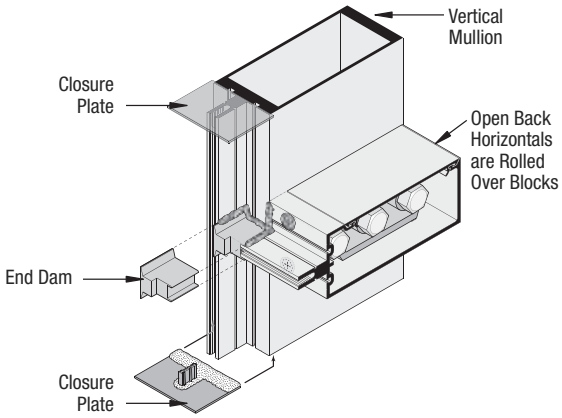
Series BW3250
Blast Resistant Curtain Wall



Complete specifications, detailed assembly drawings, windload and deadload charts, can be found in our USAL15 U.S. Aluminum Architectural Design Manual, available for viewing, download or order from the Catalog Library at **crlaurence.com/catalogs**.



Center Bolt in Shear Block Connections Only Required at 10.8 PSI Conditions



Injection molded Closure Plates at top and bottom of verticals prevent perimeter seal failure. Injection molded End Dams at vertical and horizontal intersections control any infiltrated water.

SERIES	FACE WIDTH	OVERALL DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
BW3250	2"-1/2" (64 mm)	8" (203 mm)	1" (25 mm)	Exterior	Low to Mid-Rise Buildings Where Blast Resistance is Required

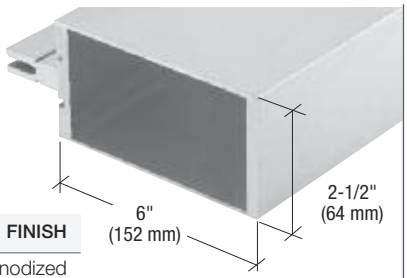
CRL-U.S. Aluminum Series BW3250 Blast Resistant Curtain Wall Profiles

DEFENDER BLAST MITIGATION PRODUCTS

- Clear, Bronze, and Black Anodized Finishes
- Duranar® and Duranar® Sunstorm® Color Coatings on Request

For Accessories, see pages T540-T541

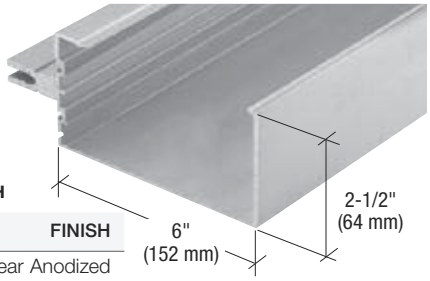
Vertical/Horizontal Mullion



24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BW46211	Clear Anodized
BW46222	Bronze Anodized
BW46233	Black Anodized

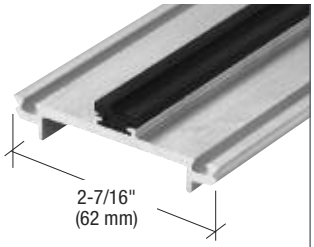
Open Back Horizontal Mullion



24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BW46411	Clear Anodized
BW46422	Bronze Anodized
BW46433	Black Anodized

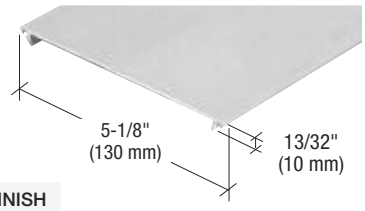
Pressure Bar With Thermal Spacer



24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
CW93399	Mill

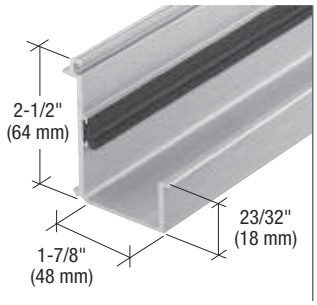
Horizontal Inserts



24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BW46311	Clear Anodized
BW46322	Bronze Anodized
BW46333	Black Anodized

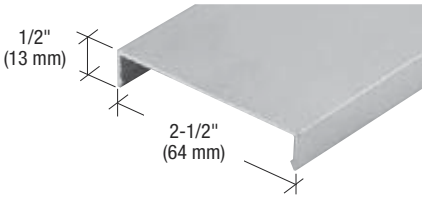
Perimeter Pressure Bar With Thermal Spacer



24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BW47711	Clear Anodized
BW47722	Bronze Anodized
BW47733	Black Anodized

Face Cap



24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
CW90111	Clear Anodized
CW90122	Bronze Anodized
CW90133	Black Anodized

Minimum order: 1 stock length. All CRL-U.S. Aluminum Extrusions can be combined for quantity pricing. F.O.B. CRL Service Centers. Must ship common carrier.

CRL Face Cap Remover

- Removes Most Pressure Bar System Face Caps
- Adjustable for Varying Size Face Caps
- Lightweight, Easy Grip Handle

The CRL Face Cap Remover is designed to remove exterior face caps on a wide selection of curtain walls by simply hooking onto one side of the face cap and then pulling to pop off the cap. This tool has an easy to grip, lightweight handle, and is quick and easy to adjust for use on varying size face caps. Minimum order is one each.

MANUFACTURED IN AUSTRALIA BY C.R. LAURENCE



CAT. NO. FCR1

VIDEO



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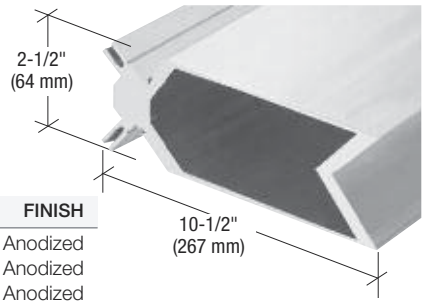
CRL-U.S. Aluminum Series BW3250 Blast Resistant Curtain Wall Accessories

DEFENDER BLAST MITIGATION PRODUCTS

- Clear, Bronze, and Black Anodized Finishes
- Duranar® and Duranar® Sunstorm® Color Coatings on Request

90 Degree Corner Mullion

- Used With CW969 and CW993



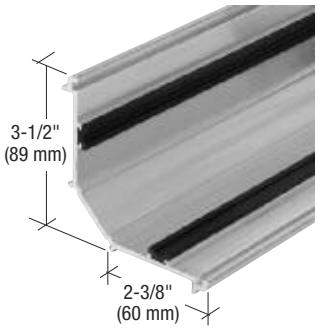
24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
BW49211	Clear Anodized
BW49222	Bronze Anodized
BW49233	Black Anodized

Minimum order: 1 stock length. All CRL-U.S. Aluminum Extrusions can be combined for quantity pricing. F.O.B. CRL Service Centers. Must ship common carrier.

90 Degree Outside Corner Pressure Bar

- Thermally Isolated
- Used With CW969 and BW492



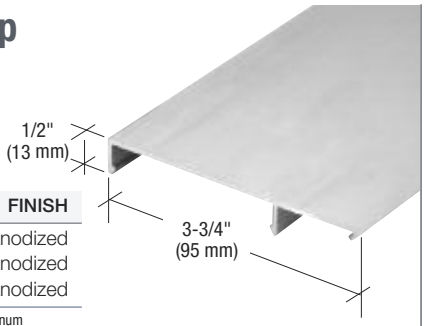
24'-2" (7.3 M) STOCK LENGTH

CAT. NO.	FINISH
CW99399	Mill

Minimum order: 1 stock length. All CRL-U.S. Aluminum Extrusions can be combined for quantity pricing. F.O.B. CRL Service Centers. Must ship common carrier.

90 Degree Face Cap

- For Outside Corner
- Used With BW492 and CW993



24'-2" (7.3 M) STOCK LENGTH

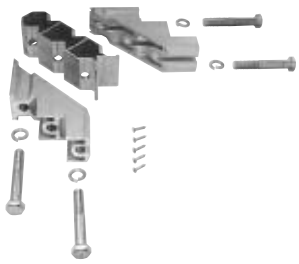
CAT. NO.	FINISH
CW96911	Clear Anodized
CW96922	Bronze Anodized
CW96933	Black Anodized

Minimum order: 1 stock length. All CRL-U.S. Aluminum Extrusions can be combined for quantity pricing. F.O.B. CRL Service Centers. Must ship common carrier.

NOTE: Requires Two Per Corner

Horizontal Shear Blocks for Corner Mullions

- Packages for 2.91, 4.4, and 10.8 PSI
- Used With BW492



CAT. NO.	UP TO PSI	QTY/PKG
AP539	2.91	6
AP494	4.4	6
AP497	10.8	6

Minimum order: 1 pack.

Horizontal Shear Blocks for Jamb Mullions

- Packages for 2.91, 4.4, and 10.8 PSI
- Used With BW462 and BW464



CAT. NO.	UP TO PSI	QTY/PKG
AP538	2.91	6
AP464	4.4	6
AP467	10.8	6

Minimum order: 1 pack.

Horizontal Sheer Blocks for Intermediate Mullions

- Packages for 2.91, 4.4, and 10.8 PSI
- Used With BW462 and BW464

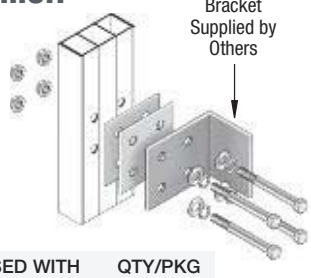


CAT. NO.	UP TO PSI	QTY/PKG
AP527	2.91	12
AP465	4.4	12
AP468	10.8	12

Minimum order: 1 pack.

Jamb Mullion Anchor

- For BW462

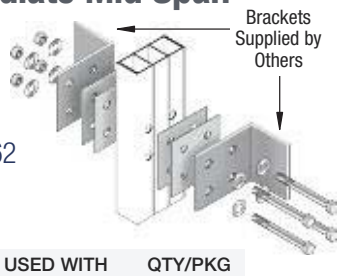


CAT. NO.	USED WITH	QTY/PKG
AP481	BW462	6

Minimum order: 1 pack.

Intermediate Mid Span Mullion Anchor

- For BW462

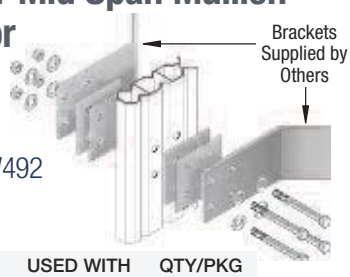


CAT. NO.	USED WITH	QTY/PKG
AP482	BW462	12

Minimum order: 1 pack.

Corner Mid Span Mullion Anchor

- For BW492



CAT. NO.	USED WITH	QTY/PKG
AP483	BW492	6

Minimum order: 1 pack.

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CRL-U.S. Aluminum Series BW3250 Blast Resistant Curtain Wall Accessories

DEFENDER
BLAST MITIGATION PRODUCTS

Intermediate 'T' Anchor

- Top and Bottom Anchor



CAT. NO.	USED WITH	QTY/PKG
AP971	BW462	12

Minimum order: 1 pack.

Wall Jamb Anchor

- Left and Right Jamb Top and Bottom Anchor

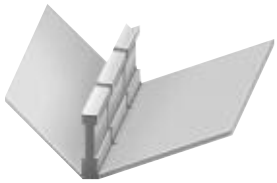


CAT. NO.	USED WITH	QTY/PKG
AP972L	Left Hand BW462	6
AP972R	Right Hand BW462	6

Minimum order: 1 pack.

Top and Bottom 90 Degree Corner Anchor

- For BW492

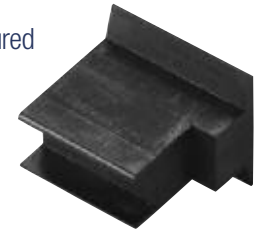


CAT. NO.	USED WITH	QTY/PKG
AP492	BW492	6

Minimum order: 1 pack.

End Dam

- Used With Captured Vertical Mullions

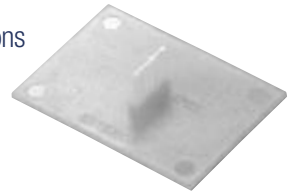


CAT. NO.	QTY/PKG
HD975	50

Minimum order: 1 pack.

Closure Plate

- For Captured Vertical Mullions

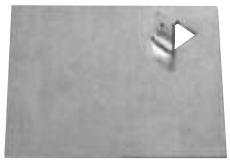


CAT. NO.	QTY/PKG
CP900	50

Minimum order: 1 pack.

Closure Plate

- For 90 Degree Corner Mullions



CAT. NO.	QTY/PKG
CP901	10

Minimum order: 1 pack.

Splice Sleeves

- For Expansion Joints
- 8" (203 mm) Length



CAT. NO.	USED WITH	QTY/PKG
SL461	BW462 Intermediates	12
SL491	BW492 Corners	6

Minimum order: 1 pack.

Temporary Glass Retainer

- Used With Captured Mullions



CAT. NO.	QTY/PKG
CW368	50

Minimum order: 1 pack.

Assembly Screw

- 1/4"-20 x 1" (25 mm) Hex Washer Head Cap Screw
- Used for Pressure Bar Attachment



CAT. NO.	QTY/PKG
MS222000200	200

Minimum order: 1 pack.

Exterior Gasket

- Dense EPDM

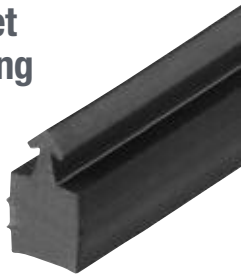


CAT. NO.	COLOR	ROLL LENGTH
NP430	Black	250' (76 m)

Minimum order: 1 roll.

Spacer Gasket for Butt Glazing

- Silicone Rubber

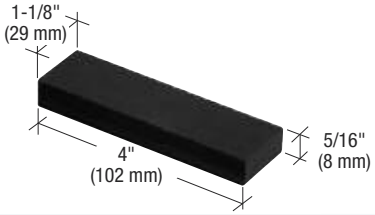


CAT. NO.	COLOR	ROLL LENGTH
SP250	Black	250' (76 m)

Minimum order: 1 roll.

Setting Block

- EPDM for 1" (25 mm) Glazing



CAT. NO.	QTY/PKG
SB504	100

Minimum order: 1 pack.

CRL-U.S. Aluminum Blast Resistant Windows

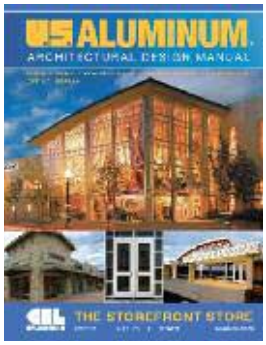
- DoD Blast Rated for 1 PSI
- Fixed Windows
- Concealed Vent Windows
- Horizontal Sliding Windows
- Single Hung Windows

CRL-U.S. Aluminum Blast Resistant Windows are offered in a number of configurations to meet typical and specialized building conditions. Fixed and operable versions can be retrofit into existing openings or incorporated into window wall systems for new construction. Concealed Vent type windows feature quality operating hardware for years of trouble-free service. Locking hardware options assure security, and integrated weatherstripping provides an airtight seal when closed. An array of architectural coatings and anodized finishes can be selected to provide windows that will complement the structure's aesthetic appeal. Accessories such as screens, mulling bars, subsills, head and jamb channels are available to complete the installation.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.







DEFENDER
BLAST MITIGATION PRODUCTS

Complete specifications, detailed assembly drawings, windload and deadload charts can be found in our USAL14 U.S. Aluminum Architectural Design Manual, available for viewing, download or order from the Catalog Library at **crlaurence.com/catalogs**.



CRL-U.S. Aluminum Blast Resistant Windows

DEFENDER BLAST MITIGATION PRODUCTS

Series BR7500 Windows

- DoD UFC 4-010-01 (Jan 07), ATFP, ISC Security Design Criteria for Blast Protection for Windows, ASTM F 1642
- C-75 Rated Project Out Window
- Accepts 1-1/32" (26 mm) Laminated Glazing
- Minimal Sightline
- Use With BR604, BR606 and BT601 Storefront or BW3250 Curtain Wall
- Structural Silicone Glazed
- Thermally Improved Design
- Reinforced Corner Construction
- Finishes Range From Clear, Bronze or Black Anodized Finishes to a Wide Selection of Custom Matched Painted Coatings
- Made in the U.S.A.



The Series BR7500 Blast Resistant Concealed Vent is a minimal sightline window perfect for use in blast mitigation storefront and curtain wall openings. Standard hardware includes Stainless Steel 4-Bar Hinges and Cam Locking Handles. As with all of our operable windows, vent construction starts with tubular vent components that are mitered, reinforced with corner keys, and crimped at all corners. When closed, the vent is sealed to the frame with bulb gaskets, ensuring an airtight seal. For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

Series BW7600 Windows

- DoD UFC 4-010-01 (Jan 07), ATFP, ISC Security Design Criteria for Blast Protection for Windows, ASTM F 1642
- AAMA CW100-Rated
- Accepts 1-1/32" (26 mm) Laminated Glazing
- Minimal Sightline
- Structural Silicone Glazed
- Use With BR604, BR606, and BT601 Storefront or BW3250 Curtain Wall
- Reinforced Corner Construction
- Thermally Broken
- U-Factor 0.56 to 0.34
- Multi-Point Locking Handles
- Made in the U.S.A.



The Series BW7600 Concealed Vent is a minimal sightline window offering a DoD 1 PSI blast resistant capability. Standard hardware includes a single Multi-Point Locking Handle. As with all of our operable windows, vent construction starts with tubular vent components that are mitered, reinforced with corner keys, and crimped at all corners. When closed, the vent is sealed to the frame with bulb gaskets, ensuring an air tight seal. For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

CRL-U.S. Aluminum Blast Resistant Windows

DEFENDER
BLAST MITIGATION PRODUCTS

- Tested to AAMA Class CW60
- Thermally Insulated-NFRC Certified
- U-Factors as Low as 0.34
- Choice of Block or Fin Frame
- 1-1/32" (26 mm) Glazing
- DoD Blast Rated for 1 PSI

Series BW8000 Single Hung Windows

- Custom Sized to Job Specifications
- Screens, Mulling Bars, Subsills, Head and Jamb Channels are Available
- Frame Depth 4-1/2" (114 mm)



As part of the 8000 Series of heavy commercial windows, the BW8000 Blast Mitigation Single Hung Window offers a DoD 1 PSI blast resistance capability to the product line. The 4-1/2" (114 mm) deep frame is designed to match typical building conditions, including our entrances and storefronts. An efficient thermally insulated frame accepts glazing infills from 1" to 1-5/16", with extruded pulls at the interlock and bottom rail. The window features a self-locking latch and Class 5 balances for ease of operation. Accessories like mulling bars, sub-sills, and head and jamb channels are available. For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

Series BW8100 Fixed Windows

- Custom Sized to Job Specifications
- Mulling Bars, Subsills, Head and Jamb Channels are Available
- Frame Depth 4-1/2" (114 mm)



The Series BW8100 Fixed Window offers that rare combination of durability and toughness to meet blast mitigation requirements. The Defender Series of Blast Mitigation products are designed to provide protection for DoD and private sector facilities. Other Defender Series products include Storefront and Curtain Wall. For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

Series BW8200 Horizontal Sliding Windows

- Custom Sized to Job Specifications
- Dry Glazed
- Screens, Mulling Bars, Subsills, Head and Jamb Channels are Available
- Frame Depth 4-1/2" (114 mm)



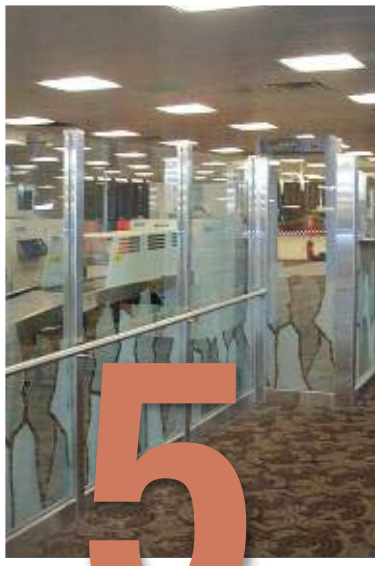
The BW8200 Horizontal Sliding Window offers smooth operation, durability, and toughness to meet blast mitigation requirements. The Defender Series of Blast Mitigation products are designed to provide protection for DoD and private sector facilities. This Defender Series Horizontal Slider has a self locking latch and tandem adjustable rollers for ease of operation. For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.











SECURITY SOLUTIONS

5 PAGES
T545 - T608

- Access Control Handles
- Bollards NEW!
- Center Locks
- Check Point Security System Posts NEW!
- Commercial Door Handles
- Custom Door Handles
- Deadlocks
- Electric Strikes and Magnetic Locks
- Glass Mounted Lever Locks
- Glass Presence Indicators
- CRL Security Screen™ NEW!
- Jackson® Style Panic Devices
- Key Cylinders and Thumbturns
- Lever Locks
- Locking and Standard Ladder Pulls NEW!
- Mortise Locks
- Push-Pull Indicators
- Security and Safety Mirrors
- Slip-On Glass Door Locks
- Steel Security Screen Doors

CRL US ALUMINUM
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These products and more can be found in this catalog section. On the bottom of each page are direct search instructions for viewing them on our web site. You can also enter the catalog number into the search box for a direct link to the product and others in that category. To view other products, click on the link to our Catalog Library found on the web site home page.



CRL Security Check Point Barrier Systems

PAGES T560-T564

- Custom Systems for Airport Terminals, Convention Centers, Hotels, Schools, and Other High Security Locations
- Choice of Brushed Stainless or Polished Stainless Finishes, With Custom Powder Coated Finishes Also Available



Allow CRL to assist in custom designing a Security Check Point Barrier System for your application. Systems for interior or exterior commercial or institutional projects are typically fabricated using a combination of our CRL Heavy Glass Aluminum Base Shoe and rectangular Aluminum Posts that can be clad in alloy 304 brushed or polished stainless steel. They may also be powder coated in a variety of custom colors to match the surrounding area.

CRL Bollards

PAGE T565

- Round, Square, Rectangular, and Triangular Profiles Available
- Available in Alloy 304 or 316 14 Gauge Stainless Steel and in 464 .080 Thick Bronze-Naval Brass
- Available Cover Only or With Concrete Filled 8" (203 mm) Schedule 80 Pipe Reinforcement



CRL Bollards are installed in pathways to deter intrusion, divert traffic, and define routes or roadways. They provide safety and protection to buildings and structures while still maintaining pedestrian freedom, all while adding to the building's overall architectural design. Our Bollards are intended for applications where design is crucial, and they are incorporated into the overall landscape architecture.

CRL Security Locks and Accessories

PAGES T566-T588



- Center Locks, Keyed Latches, Plunger Locks, Slip-on Patch Locks, Heavy-Duty Lever Locksets, and Many More Styles to Choose From
- An Enormous Selection of Lock Types for Most Any Security Solution
- A Complete Line of Accessory Items to Complement Your Lock Choice



CRL has a large offering of Locks, Keepers, Housings, Locksets, Latches, Thumbturns, Cylinders, and other accessories needed to secure businesses, schools, entrances, storerooms, and other places where security is desired. There are also several locks to choose from whether you have a single door to secure, or double doors. Some locks require glass fabrication, while others simply slip-on, and can be removed during business hours for a clean storefront appearance. Several finishes are offered in both locks and accessories, making matching of the surrounding hardware easy.

CRL Access Control Hardware

PAGES T589-T595



- Push Pad and Cross Bar Panic Exit Devices for Use With Narrow, Medium, and Wide Stile Aluminum, Wood, or Hollow Metal Doors
- CRL-Blumcraft Access Control Handles With a Large Selection of Exterior Fixed Pulls for Medium and Wide Stile Doors



Security solutions are made easier with your choice of Panic Exit Devices, Access Control Handles, Electric Strikes, Magnetic Locks, and numerous accessory items. Our Push Pad and Cross Bar Panic Exit Devices are for use with narrow, medium, and wide stile aluminum, wood, or hollow metal doors. They are available as concealed vertical rod, and rim exit devices. CRL-Blumcraft Access Control Handles come in a variety of selections to suit a number of configurations. In addition, several Electric Strikes, Magnetic Locks, and associated items are in stock and ready to ship.

CRL Locking Ladder Pulls and Pull Handles

PAGES T596-T602



- Locking Ladder Pulls Present a Sensible Option for "All-Glass" Entrances
- Locks Operate at a Comfortable 42" (1067 mm) Above the Floor
- No More Kneeling Down or Bending Over to Engage Lock
- Several Standard Ladder Pull Choices Also Available When Locking is Not Required



Locking Ladder Pulls not only add security, but are an outstanding option for any "all-glass" entrance by eliminating kneeling down or bending over to reach for a lock at the bottom of the door. Stock Locking Ladder Pulls lock into the floor only. Custom Locking Ladder Pulls that are for either ceiling or floor locking are available on special order. Locking Ladder Pulls will also accept most standard manufactured rim type cylinders. If locking is not required, CRL also offers both stock and custom Standard Ladder Pulls. Both Locking Ladder Pulls and Standard Ladder Pulls are available in a choice of polished stainless steel or brushed stainless steel.

CRL Security and Safety Mirrors

PAGES T605-T608



- Place in Strategic Locations to Prevent Accidents, Reduce Theft, and Also Provide a Clear View of Potential Problem Areas
- Ideal for Warehouses, Offices, Retail Stores, Schools, and Hospitals
- A Variety of Shapes, Sizes, and Angle Degrees Provides Several Choices for Any Application





CRL Security and Safety Mirrors can help prevent accidents at blind corners and intersections in offices, warehouses, retail stores, schools, hospitals, and anywhere else subject to trouble-prone areas. A choice of mirror shapes, along with varied angle degrees makes the selection process easier for you to find the one just right for your application.

CRL Steel Security Door Combination Lock Sets

- For Use On All CRL Steel Security Screen Doors
- Door Range: 1-3/8" (35 mm) to 1-3/4" (44 mm)
- Back Set: Adjustable 2-3/8" (60 mm) or 2-3/4" (70 mm)
- Three Finishes From Which to Choose

DEADBOLT FEATURES:
Deadbolt: 1" (25 mm) x 2-1/4" (57 mm), square corner faceplate, 7/8" (22 mm) housing diameter, 1" (25 mm) throw with anti-saw roller bar for added security
Strike: 1" (25 mm) x 2-1/4" (57 mm) square corner
Key Cylinder: Schlage® (SCC) keyway
Keys: Two nickel silver cut keys per lock

CRL Niagara Deadbolt and Lever Sets



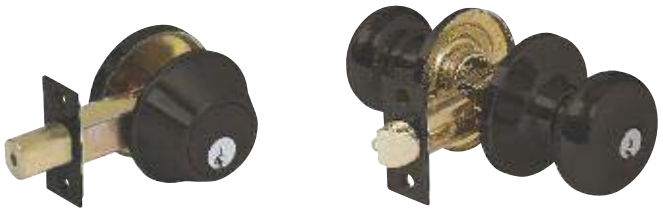
Satin Nickel Shown

LEVER FEATURES:
Latch: 1" (25 mm) x 2-1/4" (57 mm), square corner and radius faceplate, 7/8" (22 mm) housing diameter, 1/2" (13 mm) throw
Strike: 1-5/8" (41 mm) x 2-1/4" (57 mm) square corner, full lip
Key Cylinder: Schlage® (SCC) keyway
Keys: Two nickel silver cut keys per lock

CAT. NO.	FINISH
CLL2BR	Polished Brass
CLL20RB	Oil Rubbed Bronze
CLL2SN	Satin Nickel

Minimum order: 1 set. All Deadbolt Sets can be combined for quantity pricing.

CRL Parkland Deadbolt and Knob Sets



Oil Rubbed Bronze Shown

KNOB FEATURES:
Latch: 1" (25 mm) x 2-1/4" (57 mm), square corner and radius faceplate, 7/8" (22 mm) housing diameter, 1/2" (13 mm) throw
Strike: 1-5/8" (41 mm) x 2-1/4" (57 mm) square corner, full lip
Key Cylinder: Schlage® (SCC) keyway
Keys: Two nickel silver cut keys per lock

CAT. NO.	FINISH
CLK2BR	Polished Brass
CLK20RB	Oil Rubbed Bronze
CLK2SN	Satin Nickel

Minimum order: 1 set. All Deadbolt Sets can be combined for quantity pricing.

CRL One Way Screw Tool

- For Installing One Way Screws



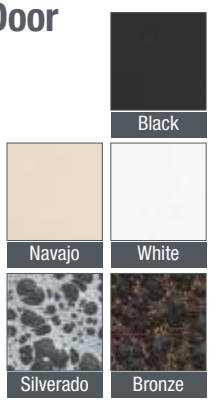
CAT. NO.	QTY.
50631250	1

Minimum order: 1 each.

CRL Security Screen Door One Way Screws

- Special Notched Head for Security
- Install With Cat. No. 50631250 (See Left)





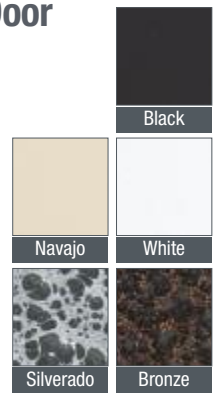
CAT. NO.	COLOR	QTY.
50252100	Black	8
50252050	Navajo	8
50252090	White	8
50252040	Silverado	8
50252010	Bronze	8

Minimum order: 1 pack.

CRL Security Screen Door Sweeps

- Includes Installation Hardware
- Adds Additional Height
- Easy to Install
- Thick Rubber Sweep





CAT. NO.	COLOR	WIDTH	QTY.
50250020	Black	36" (914 mm)	1
50250050	Navajo	36" (914 mm)	1
50250090	White	36" (914 mm)	1
50250065	Silverado	36" (914 mm)	1
50250015	Bronze	36" (914 mm)	1

Minimum order: 1 each.

Schlage is a registered trademark of Allegion plc.

CRL Security Check Point Barrier Systems

- Each Unit Custom Fabricated to Exact Requirements
- Systems for Interior or Exterior Commercial or Institutional Applications
- Designed to Work With Many Different Types of Glazing
- Surface Mount or Core Mount Applications
- Two Standard Architectural Finishes
- Custom Powder Coated Finishes Also Available

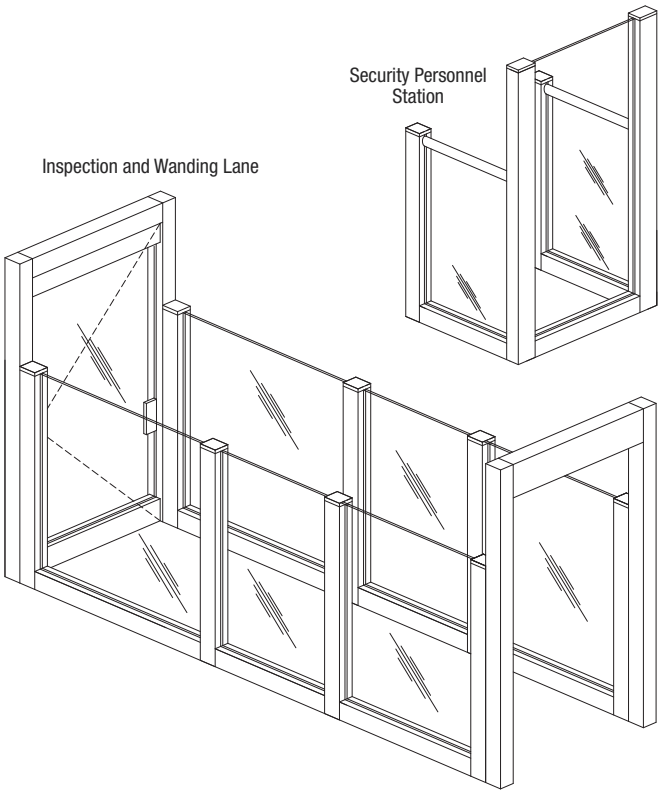
USE MONOLITHIC TEMPERED GLASS

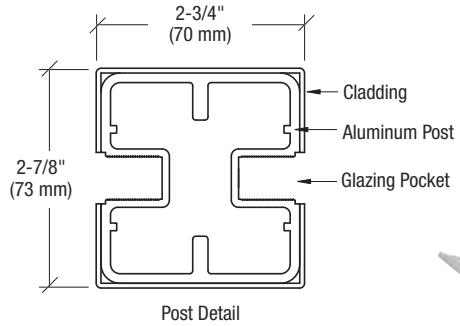


CRL can custom design Security Check Point Barrier Systems that are ideal for airport terminals, arenas, convention centers, hotels, schools, and many other areas that have security concerns.

Barriers are typically fabricated using a combination of our Heavy Glass Aluminum Base Shoe and rectangular Aluminum Posts that can be cladded in alloy 304 brushed or polished stainless, or powder coated in a variety of custom colors that can adapt to a wide variety of conditions.

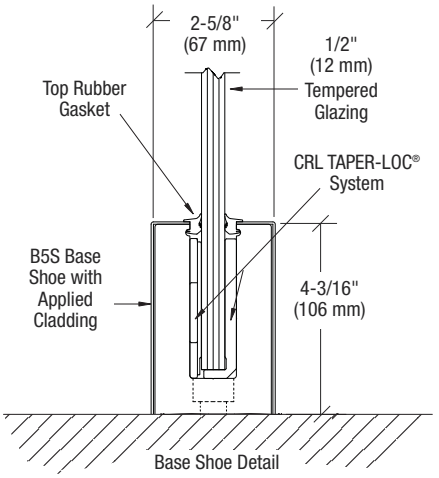
1/2" (12 mm) tempered glazing is recommended, but not supplied by CRL. Glass sizing assistance is available. Units can be shipped knocked down, or fully assembled in a crate.





Post Detail

- Typically Used in Airports to Control the Traffic Flow at Security

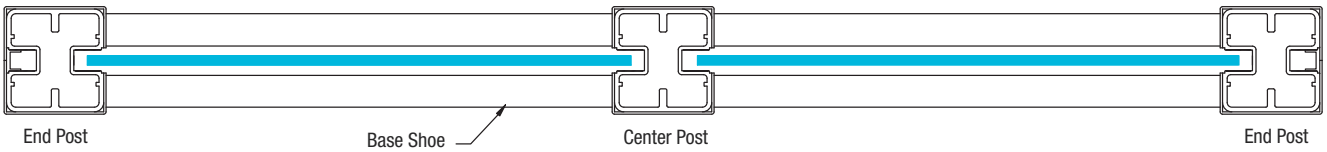


Base Shoe Detail



Optional Hand Railing Brackets Can Be Glass or Post Mounted

Security 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 Railing Technical Sales at Ext. 7730 will assist you with plans for the Security 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

Barrier Post Configurations



End Post



180 Degree Center Post



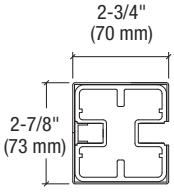
135 Degree Center Post

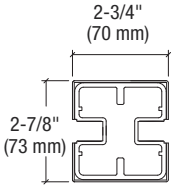


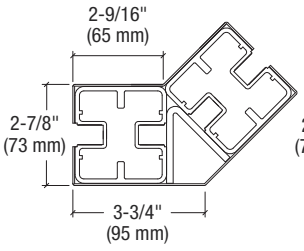
90 Degree Corner Post

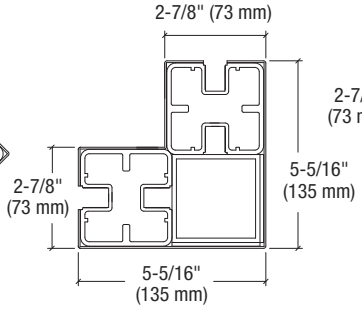


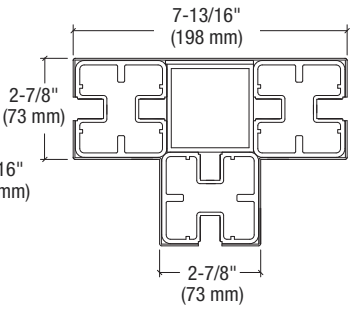
3-Way Post





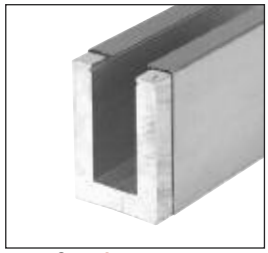






Major Components

Base Shoe With Cladding



See crlaurence.com

Vertical Posts



See Pages T562-T563

Surface Mount Post Stanchions



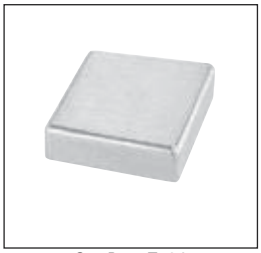
See Page T564

Core Mount Post Stanchions



See crlaurence.com

Post Top Cap

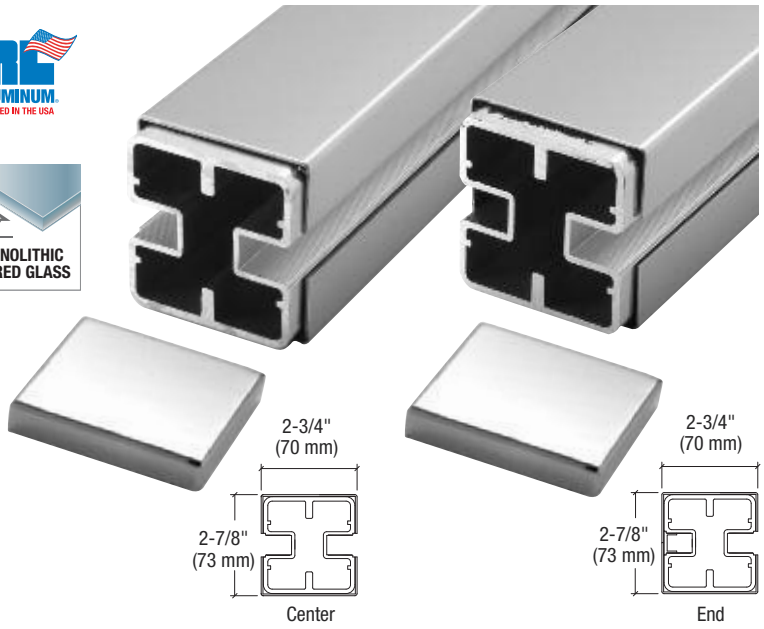


See Page T564

CRL 180 Degree Center and End Barrier Post Kits

- Aluminum Post With 304 Alloy Stainless Steel Cladding and Top Cap
- 316 Alloy Stainless Cladding Available Upon Request
- Custom Powder Coated Finishes Available Upon Request
- Accommodates 1/2" (12 mm) Thick Tempered Glass
- Post Heights Up to 72" (1.8 m)

USE MONOLITHIC TEMPERED GLASS



CRL 180 Degree Center and End Barrier Post Kits are designed for interior and exterior applications and can be ordered in heights of up to 72" (1.8 m). Two architectural cladded finishes are available in polished or brushed 304 alloy stainless steel. Surface mount and core mounting options are also available. **NOTE:** Maximum 48" (1.2 m) on center post spacing is standard for 72" (1.8 m) tall posts.



180 DEGREE CENTER POST KITS*

CAT. NO.	FINISH
BPC1BSC	Brushed Stainless
BPC1PSC	Polished Stainless

Minimum order: 1 each. *Must specify post height at time of order.

END POST KITS*

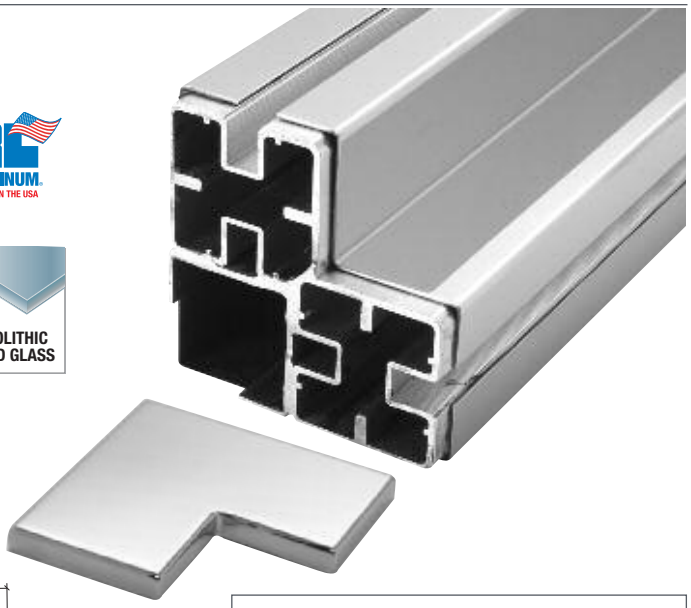
CAT. NO.	FINISH
BPE1BSC	Brushed Stainless
BPE1PSC	Polished Stainless

Minimum order: 1 each. *Must specify post height at time of order.

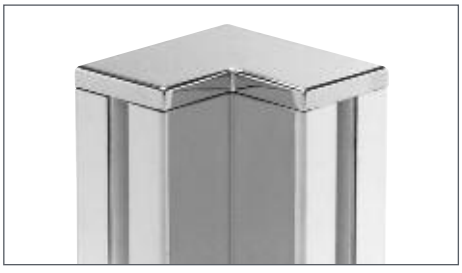
CRL 90 Degree Corner Barrier Post Kits

- Aluminum Post With 304 Alloy Stainless Steel Cladding and Top Cap
- 316 Alloy Stainless Cladding Available Upon Request
- Custom Powder Coated Finishes Available Upon Request
- Accommodates 1/2" (12 mm) Thick Tempered Glass
- Post Heights Up to 72" (1.8 m)

USE MONOLITHIC TEMPERED GLASS



CRL 90 Degree Corner Barrier Post Kits are designed for interior and exterior applications and can be ordered in heights of up to 72" (1.8 m). Two architectural cladded finishes are available in polished or brushed 304 alloy stainless steel. Surface mount and core mount options are also available. **NOTE:** Maximum 48" (1.2 m) on center post spacing is standard for 72" (1.8 m) tall posts.



90 DEGREE CORNER POST KITS*

CAT. NO.	FINISH
BPL1BSC	Brushed Stainless
BPL1PSC	Polished Stainless

Minimum order: 1 each. *Must specify post height at time of order.

CRL 135 Degree Center Barrier Post Kits

- Aluminum Post With 304 Alloy Stainless Steel Cladding and Top Cap
- 316 Alloy Stainless Cladding Available Upon Request
- Custom Powder Coated Finishes Available Upon Request
- Accommodates 1/2" (12 mm) Thick Tempered Glass
- Post Heights Up to 72" (1.8 m)

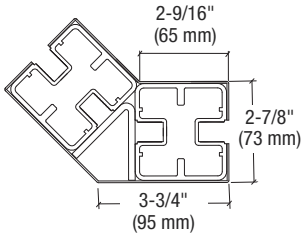
CRL US ALUMINUM MANUFACTURED IN THE USA

USE MONOLITHIC TEMPERED GLASS





CRL 135 Degree Center Barrier Post Kits are designed for interior and exterior applications and can be ordered in heights of up to 72" (1.8 m). Two architectural cladded finishes are available in polished or brushed 304 alloy stainless steel. Surface mount and core mount options are also available. **NOTE:** Maximum 48" (1.2 m) on center post spacing is standard for 72" (1.8 m) tall posts.





135 DEGREE CENTER POST KITS*

CAT. NO.	FINISH
BPA1BSC	Brushed Stainless
BPA1PSC	Polished Stainless

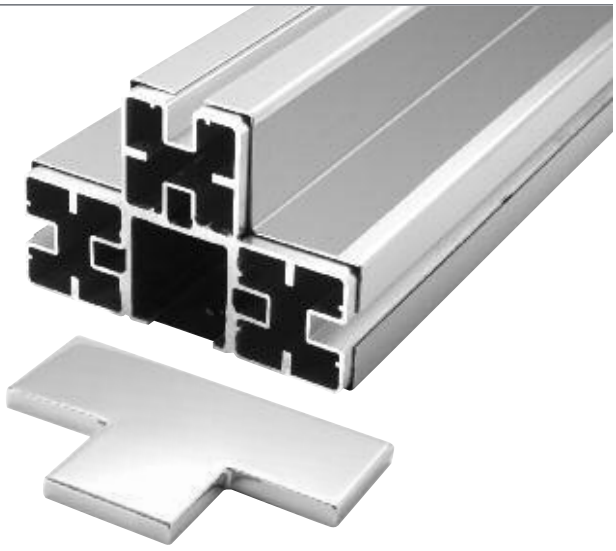
Minimum order: 1 each. *Must specify post height at time of order.

CRL 3-Way Barrier Post Kits

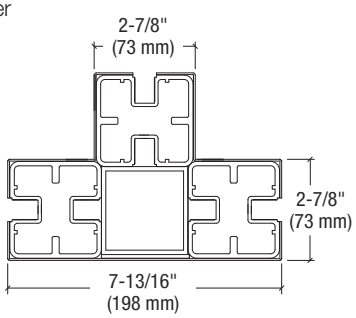
- Aluminum Post With 304 Alloy Stainless Steel Cladding and Top Cap
- 316 Alloy Stainless Cladding Available Upon Request
- Custom Powder Coated Finishes Available Upon Request
- Accommodates 1/2" (12 mm) Thick Tempered Glass
- Post Heights Up to 72" (1.8 m)

CRL US ALUMINUM MANUFACTURED IN THE USA

USE MONOLITHIC TEMPERED GLASS



CRL 3-Way Barrier Post Kits are designed for interior and exterior applications and can be ordered in heights of up to 72" (1.8 m). Two architectural cladded finishes are available in polished or brushed 304 alloy stainless steel. Surface mount and core mounting options are also available. **NOTE:** Maximum 48" (1.2 m) on center post spacing is standard for 72" (1.8 m) tall posts.





3-WAY POST KITS*

CAT. NO.	FINISH
BPT1BSC	Brushed Stainless
BPT1PSC	Polished Stainless

Minimum order: 1 each. *Must specify post height at time of order.

CRL Barrier Post Surface Mount Stanchions

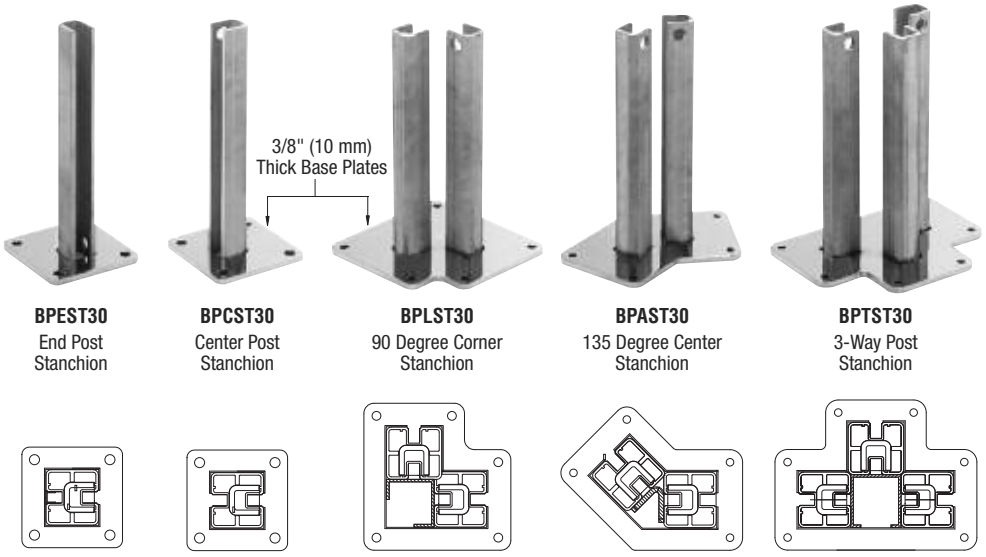
CRL US ALUMINUM MANUFACTURED IN THE USA

USE MONOLITHIC TEMPERED GLASS

- Designed for Mounting on Steel or Concrete Surfaces
- Galvanized Grade 50 Steel Finish
- 30" (762 mm) Standard Height
- Custom Heights Also Available
- Brushed and Polished Stainless Steel Base Plates Available

Barrier Post Surface Mount Stanchions are designed for use with CRL's Barrier Post Kits and our B5S, B5G or 8B Series Cladded Base Shoe. Surface Mount Stanchions are designed to attach to concrete and steel substrates. Use CRL 3/8" (10 mm) tall Drain Blocks under the Base Shoe for proper alignment during installation for a finished look.

CRL also offers custom fabrication for projects that require custom sizes or angles for those complex job site conditions. For additional product information, visit our web site at **crlaurence.com/barrier-systems**.



BPEST30
End Post Stanchion

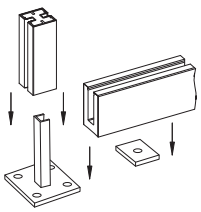
BPCST30
Center Post Stanchion

BPLST30
90 Degree Corner Stanchion

BPAST30
135 Degree Center Stanchion

BPTST30
3-Way Post Stanchion

3/8" (10 mm) Drain Blocks are also available for shimming the base shoe to the same height as the base plate stanchion thickness. See **crlaurence.com /barrier-systems** for more information.



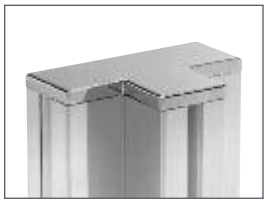
BRUSHED STAINLESS CAT. NO.	POLISHED STAINLESS CAT. NO.	STANCHION HEIGHT	FOR USE WITH
BPEST30BS	BPEST30PS	30" (762 mm)	End Post
BPCST30BS	BPCST30PS	30" (762 mm)	Center Post
BPLST30BS	BPLST30PS	30" (762 mm)	90 Degree Corner Post
BPAST30BS	BPAST30PS	30" (762 mm)	135 Degree Center Post
BPTST30BS	BPTST30PS	30" (762 mm)	3-Way Post

Minimum order: 1 each.

CRL Barrier Post Replacement Caps

- Installs Easily With Silicone Sealant
- 304 Grade Stainless Steel Available in Two Architectural Finishes
- 316 Grade Stainless Steel Available Upon Request
- Powder Coated Finishes Are Also Available





CRL US ALUMINUM MANUFACTURED IN THE USA

USE MONOLITHIC TEMPERED GLASS



CAT. NO. BPEC
End and 180 Degree Center Post Cap



CAT. NO. BPLC
90 Degree Corner Post Cap



CAT. NO. BPAC
135 Degree Center Post Cap



CAT. NO. BPTC
3-Way Post Cap

CRL Barrier Post Replacement Caps are designed to easily slip into the post extrusion. Use Cat. No. 95CBL Silicone to secure and fasten the Caps to Posts. Brushed and polished stainless steel finishes available from stock, with custom powder coated finishes available upon request. Standard Cap height is 1/2" (13 mm).

BRUSHED STAINLESS CAT. NO.	POLISHED STAINLESS CAT. NO.	DESCRIPTION
BPECBS1	BPECPS1	End and 180 Degree Center Post Cap
BPLCBS1	BPLCPS1	90 Degree Corner Post Cap
BPACBS1	BPACPS1	135 Degree Center Post Cap
BPTCBS1	BPTCPS1	3-Way Post Cap

Minimum order: 1 each.

CRL Architectural Bollards

NEW!

- Available Cover Only or With Concrete Filled 8" (203 mm) Schedule 80 Pipe Reinforcement
- Available in Alloy 304 or 316 14 Gauge Stainless Steel; Polished, Brushed, and Non-Directional Finish
- Available in 464 .080 Thick Bronze-Naval Brass; Brushed or Antique Finish
- Round, Square, Rectangular, and Triangular Profiles in Stock and Custom Sizes
- Design Options Include Single or Double Line Accents





CRL US ALUMINUM MANUFACTURED IN THE USA

CRL Architectural Bollards provide roadway and pathway definition. They are intended for applications where design is crucial, and they are incorporated into the overall landscape architecture. Architectural Bollards are installed in pathways to deter intrusion, divert traffic, and define routes or roadways. They provide safety and protection to buildings and structures while still maintaining pedestrian freedom, all while adding to the building's overall architectural design.

CRL offers assistance with design, structural requirements, and installation details for all Architectural Metals 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.

The Wide Variety of Commercial Lock Systems and Components From CRL Can Provide "Security Solutions" for You

CRL US ALUMINUM MANUFACTURED IN THE USA

- Center Locks
- Patch Locks
- Cylinder Locks
- Panic Exit Devices
- Electronic Locks
- Aluminum Door Locks
- Specialty Locks
- Access Handles



'All-Glass' Entrances
When trying to get the most attractive visual impact for an entrance, our Center Locks will meet your needs.
See pages T566 to T571.



Security and Safety for Aluminum Doors
We offer a wide variety of Panic Devices for most aluminum storefront applications.
See page T590.



Elegant Entrances
Our Panic, Deadbolt, and Egress Control Handles will help give entrances a look that will turn heads.
See pages T592 to T593.

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 US ALUMINUM MANUFACTURED IN THE USA

USE MONOLITHIC TEMPERED GLASS



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/center-locks**.

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" (102 x 254 mm) 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.	CLAD FINISH
DL410LBS	DL410RBS	Brushed Stainless
DL410LPS	DL410RPS	Polished Stainless
DL410LPB	DL410RPB	Polished Brass
DL410LSC	DL410RSC	Satin Anodized
DL410LDU	DL410RDU	Black Bronze Anodized

Minimum order: 1 each. *See page T568 for Handing Chart. All Center Locks and Keepers can be combined for quantity pricing.



Glass Cut-Out Required

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 Stock Finishes
- Custom Sizes for Other Glass Thicknesses and Custom Finishes Can Be Special Ordered



Non-Handed

CRL 4" x 10" (102 x 254 mm) 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	CLAD FINISH
DLK410BS	Non-Handed	Brushed Stainless
DLK410PS	Non-Handed	Polished Stainless
DLK410PB	Non-Handed	Polished Brass
DLK410SC	Non-Handed	Satin Anodized
DLK410DU	Non-Handed	Black Bronze Anodized

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.



Glass Cut-Out Required

CRL 4" x 10" Center Locks and Glass Keepers

CRL US ALUMINUM MANUFACTURED IN THE USA

USE MONOLITHIC TEMPERED GLASS

CRL Center Locks With Long Throw Deadlock

ONLINE ARCHITECTURAL RESOURCES

- 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" (102 x 254 mm) 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.



Glass Cut-Out Required

CAT. NO.	CLAD FINISH
DT410BS	Brushed Stainless
DT410PS	Polished Stainless
DT410PB	Polished Brass
DT410SC	Satin Anodized
DT410DU	Black Bronze Anodized

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.

CRL Center Locks With Hook Throw Deadlock

ONLINE ARCHITECTURAL RESOURCES

- 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" (102 x 254 mm) 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.



Glass Cut-Out Required

CAT. NO.	CLAD FINISH
DH410BS	Brushed Stainless
DH410PS	Polished Stainless
DH410PB	Polished Brass
DH410SC	Satin Anodized
DH410DU	Black Bronze Anodized

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

ONLINE ARCHITECTURAL RESOURCES

- 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 Glass Keepers for the 4" x 10" (102 x 254 mm) Long Throw and Hook Throw Deadlocks. Available in five finishes for 1/2" (12 mm) heavy glass doors.



Glass Cut-Out Required

CAT. NO.	CLAD FINISH
DTK410BS	Brushed Stainless
DTK410PS	Polished Stainless
DTK410PB	Polished Brass
DTK410SC	Satin Anodized
DTK410DU	Black Bronze Anodized

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.

CRL 4" x 10" Center Lock Strikes



Back-Up Plate



Dust Box
Small 1-3/4" (45 mm) Jamb Shown



Strike

- Brushed Stainless Steel
- Dust Box and Back-Up Plate Included
- Non-Handed

ONLINE ARCHITECTURAL RESOURCES

CRL 4" x 10" (102 x 254 mm) 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.	CLAD FINISH
DL4515	DL4540	DL4545	Brushed Stainless

Minimum order: 1 each. All Center Lock Strikes can be combined for quantity pricing.

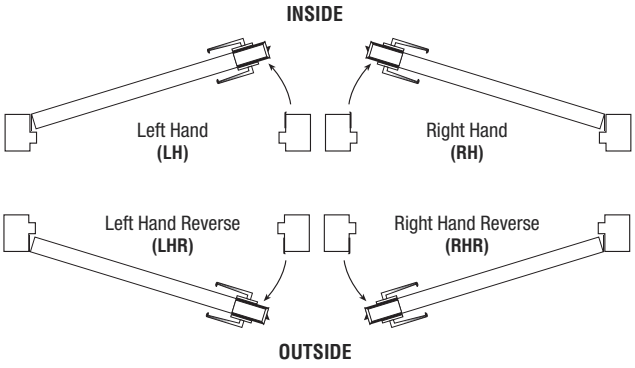
CRL 6" x 10" Center Locks With Deadlatch

- 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
- Available in Five Stock Finishes
- Hassle-Free Installation Without the Mess of Cement or Silicone
- Jamb Mount Strike Plates on Special Order

USE MONOLITHIC TEMPERED GLASS



6" x 10" (152 x 254 mm) 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

ONLINE INSTALLATION RESOURCES

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.	CLAD 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

ONLINE INSTALLATION RESOURCES

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, or standard DLK610 Glass Mount Keeper.



LHR Shown

ENTRANCE LOCK

LH CAT. NO.	RH CAT. NO.	LHR CAT. NO.	RHR CAT. NO.	CLAD 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.

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

ONLINE INSTALLATION RESOURCES

CRL US ALUMINUM MANUFACTURED IN THE USA

PASSAGE LOCK

LH CAT. NO.	RH CAT. NO.	LHR CAT. NO.	RHR CAT. NO.	CLAD 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

ONLINE INSTALLATION RESOURCES

CRL US ALUMINUM MANUFACTURED IN THE USA

STOREROOM LOCK

LH CAT. NO.	RH CAT. NO.	LHR CAT. NO.	RHR CAT. NO.	CLAD 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 on 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

ONLINE INSTALLATION RESOURCES

CRL US ALUMINUM MANUFACTURED IN THE USA

CLASSROOM LOCK

LH CAT. NO.	RH CAT. NO.	LHR CAT. NO.	RHR CAT. NO.	CLAD 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

- Requires No Electrical Connections
- Complies With A.D.A. Standards
- Five Stock Finishes Available

ONLINE INSTALLATION RESOURCES

CRL US ALUMINUM MANUFACTURED IN THE USA



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" (152 x 254 mm) 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.	CLAD 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.	CLAD 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.

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

USE MONOLITHIC TEMPERED GLASS

4" x 10" (102 x 254 mm) 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.



RH/LHR Shown

ONLINE INSTALLATION RESOURCES

LH/RHR* CAT. NO.	RH/LHR* CAT. NO.	CLAD 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 T568 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.



Glass Cut-Out Required

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

USE MONOLITHIC TEMPERED GLASS

6" x 10" (152 x 254 mm) 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.



RH/LHR Shown

ONLINE INSTALLATION RESOURCES

LH/RHR* CAT. NO.	RH/LHR* CAT. NO.	CLAD 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 T568 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.



Glass Cut-Out Required

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

USE MONOLITHIC TEMPERED GLASS

6" x 10" (152 x 254 mm) 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.



Non-Handed

ONLINE INSTALLATION RESOURCES

ENTRANCE LOCK* CAT. NO.	FOR OTHER LOCKS CAT. NO.	CLAD 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.



Glass Cut-Out Required

CRL 6" x 10" Center Lock Strikes

- Available to Fit Four Different Jamb Sizes
- Dust Box and Back-Up Plate Included
- Left and Right Handed Models
- Brushed Stainless Steel

CRL 6" x 10" (152 x 254 mm) 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 T568 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" or 1/2" (10 or 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 T588)

USE MONOLITHIC TEMPERED GLASS

CRL US ALUMINUM MANUFACTURED IN THE USA



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" and 1/2" (10 and 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 installation.

NOTE: When used on a pair of doors, one door must have a rail lock engaging into the floor for maximum security.

CRL Low Profile Center Lock

- Small Size Complements Our Low Profile Door Rail Line
- Uses Our Standard Thumbturns and Keyed Cylinders
- Non-Handed

ONLINE INSTALLATION RESOURCES

USE MONOLITHIC TEMPERED GLASS

CRL US ALUMINUM MANUFACTURED IN THE USA

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 T588). Fits both 3/8" and 1/2" (10 and 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.	CLAD FINISH
DT36BS	Brushed Stainless
DT36PS	Polished Stainless
DT36PB	Polished Brass
DT36SA	Satin Anodized
DT36DU	Black Bronze Anodized

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.



Glass Cut-Out Required



CRL Low Profile Glass Keeper

- Small Size Complements Our Low Profile Door Rail Line
- Works With Low Profile Center Lock (See Above)
- Non-Handed

ONLINE INSTALLATION RESOURCES

USE MONOLITHIC TEMPERED GLASS

CRL US ALUMINUM MANUFACTURED IN THE USA

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" and 1/2" (10 and 12 mm) thick tempered glass.

CAT. NO.	CLAD FINISH
DTK36BS	Brushed Stainless
DTK36PS	Polished Stainless
DTK36PB	Polished Brass
DTK36SA	Satin Anodized
DTK36DU	Black Bronze Anodized

Minimum order: 1 each. All Center Locks and Keepers can be combined for quantity pricing.



Glass Cut-Out Required



CRL Glass Lever Lock Housings

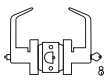
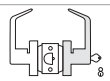
- Low Profile Body Design for Use With 3/8" or 1/2" (10 or 12 mm) Tempered Glass
- Supplied With ANSI A156.2 Grade 1 or Grade 2 Lever Lock
- Non-Handed and Reversible
- Five Architectural Finishes Available
- Four Function Options



Glass Fabrication is required. Installation Instructions and Fabrication Template Included.



CRL's Lever Lock Housings are easy to install and come complete with Housing and Lever Lockset for 3/8" or 1/2" (10 or 12 mm) thick glas The Entrance and Storeroom models are available with either a Schlage® 'C' 6-Pin keyway or a 7-Pin Small Format Interchangeable Core (SFIC See page T598 for additional information. An ANSI 1-1/4" x 4-7/8" (32 x 124 mm) Strike is included.

INTERIOR	EXTERIOR	FUNCTION ANSI NUMBER	FUNCTION DESCRIPTION
		Entrance F 109	Pushing inside button locks outside trim, requiring key to unlock. Pushing and twisting button locks outside lever and always requires a key to unlatch. Inside lever always allows free egress.
		Storeroom F 86	Outside lever always locked. Key unlatches only. Inside lever always allows free egress.
		Passage F 75	Both levers are always free.
		Privacy F 76	Push button locking from inside. Lock can be opened from outside with narrow flat head screwdriver or by rotating inside lever.

CRL Cylindrical Lever Lock Code Compliances

- ANSI A156.2 Grade 1. UL10C and UBC 7.2 for Positive Pressure
- ANSI A117.1 and A.D.A. for Barrier-Free Accessibility
- C-UBC California Amended Uniform Builders Code - 2001
- NFPA-80 National Fire Protection - 1999
- NFPA101 National Fire Protection - Life Safety - 2000

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. You can also send us an e-mail at **architectural@crlaurence.com**.

CRL Glass Lever Lock Housing - Entrance

ONLINE INSTALLATION RESOURCES

GRADE 1 SCHLAGE® 6-PIN CAT. NO.	GRADE 1 7-PIN SFIC CAT. NO.	GRADE 1 FINISH	GRADE 2 SCHLAGE® 6-PIN CAT. NO.	GRADE 2 7-PIN SFIC CAT. NO.	GRADE 2 FINISH
LH50SA	LH52SA	Satin Anodized	LH55SA	LH57SA	Satin Anodized
LH50PS	LH52PS	Polished Stainless Steel	LH55PS	LH57PS	Polished Stainless Steel
LH50BS	LH52BS	Brushed Stainless Steel	LH55BS	LH57BS	Brushed Stainless Steel
LH50PB	LH52PB	Polished Brass	LH55PB	LH57PB	Polished Brass
LH50DU	LH52DU	Black Bronze Anodized	LH55DU	LH57DU	Black Bronze Anodized

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

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



CRL Glass Lever Lock Housing - Storeroom

ONLINE INSTALLATION RESOURCES

GRADE 1 SCHLAGE® 6-PIN CAT. NO.	GRADE 1 7-PIN SFIC CAT. NO.	GRADE 1 FINISH	GRADE 2 SCHLAGE® 6-PIN CAT. NO.	GRADE 2 7-PIN SFIC CAT. NO.	GRADE 2 FINISH
LH70SA	LH72SA	Satin Anodized	LH75SA	LH77SA	Satin Anodized
LH70PS	LH72PS	Polished Stainless Steel	LH75PS	LH77PS	Polished Stainless Steel
LH70BS	LH72BS	Brushed Stainless Steel	LH75BS	LH77BS	Brushed Stainless Steel
LH70PB	LH72PB	Polished Brass	LH75PB	LH77PB	Polished Brass
LH70DU	LH72DU	Black Bronze Anodized	LH75DU	LH77DU	Black Bronze Anodized

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

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



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Schlage is a registered trademark of Allegion plc.

CRL Glass Lever Lock Housing - Passage

ONLINE INSTALLATION RESOURCES



GRADE 1	
CAT. NO.	FINISH
LH10SA	Satin Anodized
LH10PS	Polished Stainless
LH10BS	Brushed Stainless
LH10PB	Polished Brass
LH10DU	Black Bronze Anodized

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

GRADE 2	
CAT. NO.	FINISH
LH15SA	Satin Anodized
LH15PS	Polished Stainless
LH15BS	Brushed Stainless
LH15PB	Polished Brass
LH15DU	Black Bronze Anodized

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

CRL Glass Lever Lock Housing - Privacy

ONLINE INSTALLATION RESOURCES



GRADE 1	
CAT. NO.	FINISH
LH40SA	Satin Anodized
LH40PS	Polished Stainless
LH40BS	Brushed Stainless
LH40PB	Polished Brass
LH40DU	Black Bronze Anodized

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

GRADE 2	
CAT. NO.	FINISH
LH45SA	Satin Anodized
LH45PS	Polished Stainless
LH45BS	Brushed Stainless
LH45PB	Polished Brass
LH45DU	Black Bronze Anodized

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

CRL Glass Lever Lock Keepers

ONLINE INSTALLATION RESOURCES

USE MONOLITHIC TEMPERED GLASS

- For Use With 1/2" (12 mm) Tempered Glass
- Five Architectural Finishes Available
- Installs Easily With Bolts; No Silicone or Cement Needed

These Glass Keepers are for use on glass panels adjacent to swinging doors using our Lever Lock Housings. They are non-handed and reversible. **NOTE:** Glass cut-out is required. When used in a double door application, the door with this Glass Keeper must be secured with a lock at the bottom of the door.





CAT. NO.	FINISH
LHK1SA	Satin Anodized
LHK1PS	Polished Stainless
LHK1BS	Brushed Stainless
LHK1PB	Polished Brass
LHK1DU	Black Bronze Anodized

Minimum order: 1 each. All Lever Locks and Lock Keepers can be combined for quantity pricing.

CRL Glass Lever Lock Keepers With Electric Strike

ONLINE INSTALLATION RESOURCES

USE MONOLITHIC TEMPERED GLASS

- For Use With 1/2" (12 mm) Tempered Glass
- Five Architectural Finishes Available

These Glass Keepers with Electric Strikes are special ordered and can ship within one week. The electric strike is 12V or 24V AC or DC with fail safe or fail secure options. They are non-handed and reversible. **NOTE:** Glass cut-out is required. When used in a double door application, the door with this Glass Keeper must be secured with a lock at the bottom of the door.





FAIL SAFE CAT. NO.	FAIL SECURE CAT. NO.	FINISH
LHE1SA	LHE2SA	Satin Anodized
LHE1PS	LHE2PS	Polished Stainless
LHE1BS	LHE2BS	Brushed Stainless
LHE1PB	LHE2PB	Polished Brass
LHE1DU	LHE2DU	Black Bronze Anodized

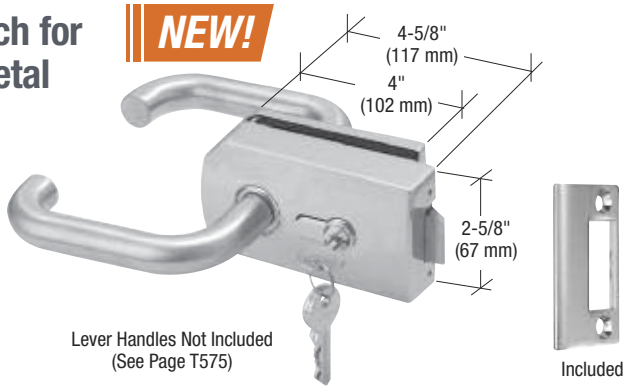
Minimum order: 1 each. All Lever Locks and Lock Keepers can be combined for quantity pricing.

CRL Glass Mounted Latch for Doors Locking Into a Metal Frame Stop

NEW!

- Works on Single Acting Doors
- For 3/8" or 1/2" (10 or 12 mm) Tempered Glass

ONLINE INSTALLATION RESOURCES



Lever Handles Not Included
(See Page T575)

Included

GLASS FABRICATION REQUIRED:
Two 1-3/4" (45 mm) Holes.
COMES WITH:
EC3 and EC4 Series Cylinder/Thumbturn with 3 Keys Each, Template, and Instructions.



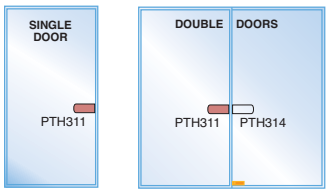
CAT. NO.	FINISH
PTH310A	Clear Anodized
PTH310BS	Brushed Stainless
PTH310PS	Polished Stainless

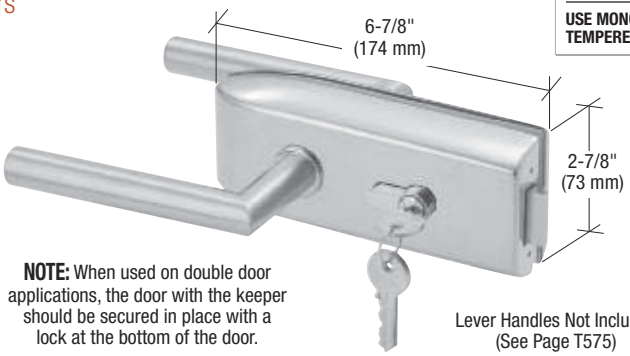
Minimum order: 1 each. All PTH Series Patch Fittings can be combined for quantity pricing.

CRL Glass Mounted Latch

ONLINE INSTALLATION RESOURCES

- Works on Single or Double Doors
- For 3/8" or 1/2" (10 or 12 mm) Tempered Glass
- Field Reversible





NOTE: When used on double door applications, the door with the keeper should be secured in place with a lock at the bottom of the door.

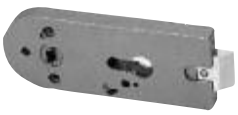
Lever Handles Not Included
(See Page T575)



GLASS FABRICATION REQUIRED:
Two 1-3/4" (45 mm) Holes.
COMES WITH:
EC3 and EC4 Series Cylinder/Thumbturn with 3 Keys Each, Template, and Instructions.



Included



Cat. No. PTH300L
Replacement Latch Mechanism
(Sold Separately)

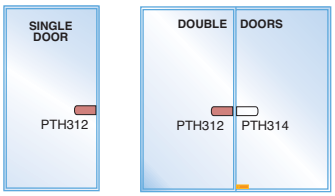
CAT. NO.	FINISH
PTH311A	Clear Anodized
PTH311BR	Polished Brass
PTH311BS	Brushed Stainless
PTH311PS	Polished Stainless

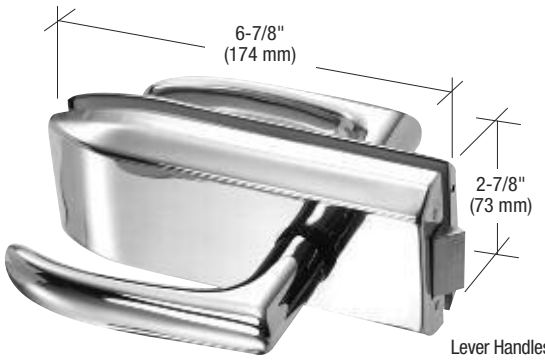
Minimum order: 1 each. All PTH Series Patch Fittings can be combined for quantity pricing.

The PTH311 comes assembled for use with the EC4 Keyed Cylinder on all outswing doors and on inswing doors without a PTH314 Glass Mounted Latch Keeper. When used on inswing doors with PTH314, the EC3 Extended Length Keyed Cylinder must be used.

CRL Glass Mounted Passage Latch

- Works on Single or Double Doors
- For 3/8" or 1/2" (10 or 12 mm) Tempered Glass





NOTE: When used on double 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 T575)

ONLINE INSTALLATION RESOURCES

GLASS FABRICATION REQUIRED:
Two 1-3/4" (45 mm) Holes.
COMES WITH:
Template and Instructions



Included



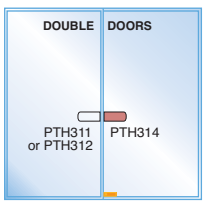
CAT. NO.	FINISH
PTH312A	Clear Anodized
PTH312BR	Polished Brass
PTH312BS	Brushed Stainless
PTH312PS	Polished Stainless

Minimum order: 1 each. All PTH Series Patch Fittings can be combined for quantity pricing.

CRL Glass Mounted Latch Keeper

ONLINE INSTALLATION RESOURCES

- Works With Either Latch Above on Double Doors



NOTE: When used on double door applications, the door with the keeper should be secured in place with a lock at the bottom of the door.



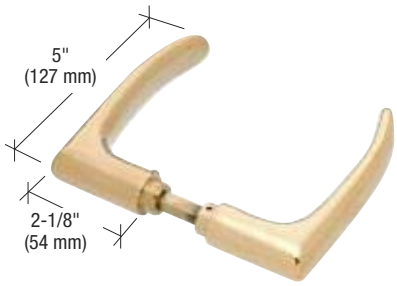


GLASS FABRICATION REQUIRED:
Two 1-3/4" (45 mm) Holes.
COMES WITH:
Template and Instructions.

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.

CRL Sculptured Style Lever Handles



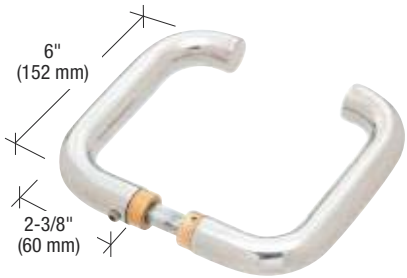
- Available in Three Finishes

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



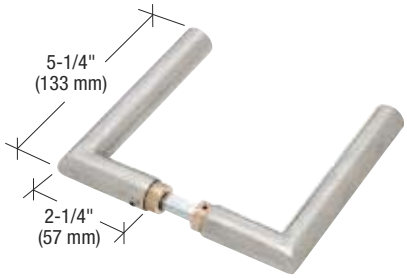
- Available in Four Finishes

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

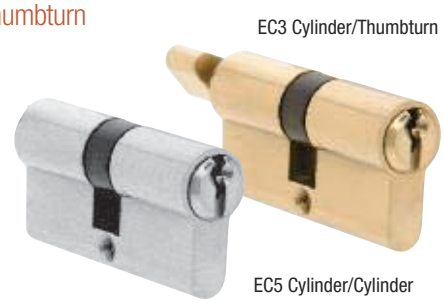
CAT. NO.	FINISH
PTH306BR	Polished Brass
PTH306BS	Brushed Stainless
PTH306PS	Polished Stainless

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 Deluxe Slip-On Plunger Lock for 3/8" and 1/2" Glass

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. Pre-numbered replacement keys sold separately.



USE MONOLITHIC TEMPERED GLASS

- No Glass Fabrication Required

DELUXE SLIP-ON PLUNGER LOCKS

CAT. NO.	GLASS THICKNESS	FINISH
03P38	3/8" (10 mm)	Chrome
03P12	1/2" (12 mm)	Chrome

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

REPLACEMENT KEYS

CAT. NO.	DESCRIPTION
01PKEY1	Key #1 for 03P Locks
01PKEY2	Key #2 for 03P Locks
01PKEY3	Key #3 for 03P Locks
01PKEY4	Key #4 for 03P Locks

Minimum order: 1 each.

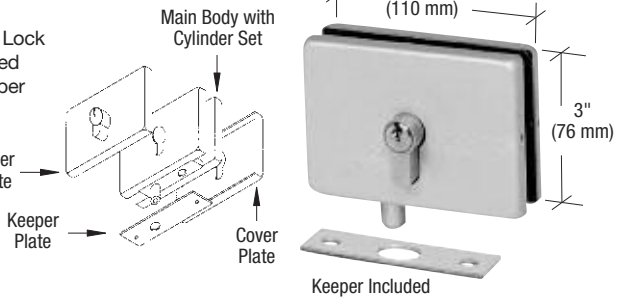
CRL European EUR Series Glass Mounted Patch Lock With Keeper Plate

For Floor and Jamb Mount Applications

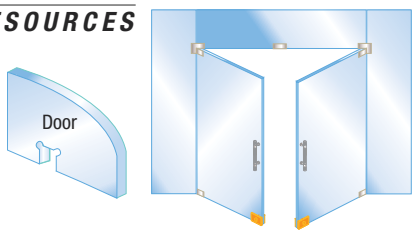
ONLINE INSTALLATION RESOURCES

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



This European Series Glass Mounted Patch Lock with Keeper can be mounted at the bottom of the door, or on the side of the door when used in a jamb-type installation.



USE MONOLITHIC TEMPERED GLASS

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

ONLINE INSTALLATION RESOURCES

USE MONOLITHIC TEMPERED GLASS

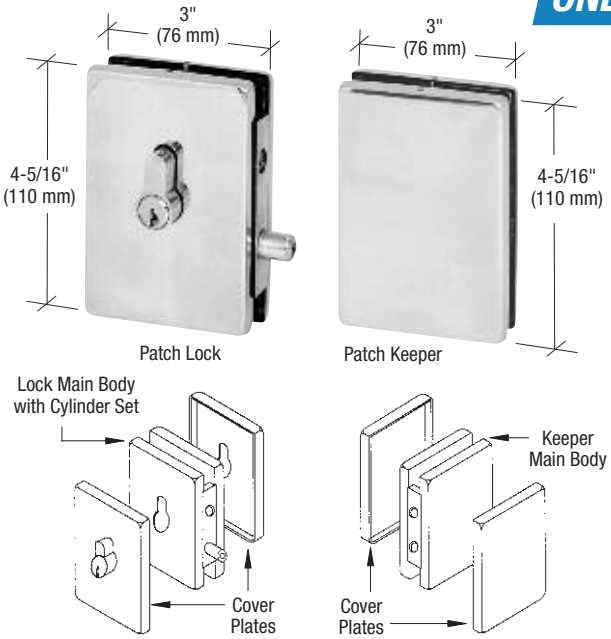
PATCH LOCK INCLUDES:
Aluminum Machined Body with Lock Mechanism and Randomly Keyed Cylinder; Cover Plates (Choice of Four Finishes); Gaskets for 3/8" (10 mm) or 1/2" (12 mm) Glass; Template and Instructions

SPECIFICATIONS:
For Use With:
EUR682 Center Housed Keeper (Order Separately)
Glass Fabrication Required:
One Cut-Out

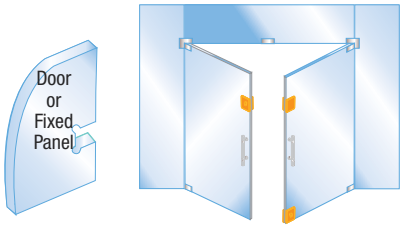
GLASS MOUNTED KEEPER INCLUDES:
Aluminum Machined Body with Keeper Hole; Cover Plates (Choice of Four Finishes); Gaskets for 3/8" (10 mm) or 1/2" (12 mm) Glass; Template and Instructions

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 Patch Locks can be combined for quantity pricing.

CRL Deluxe Slip-On Patch Lock for 3/8" or 1/2" Glass

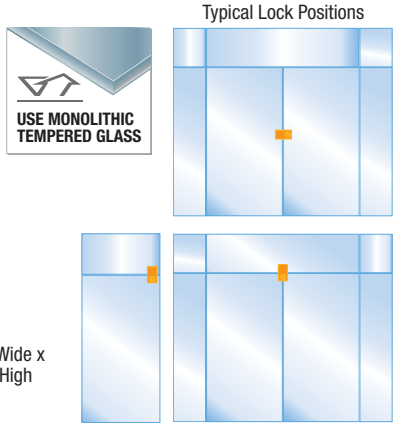
- Does Not Require Glass Fabrication

This CRL Deluxe Slip-On 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. Pre-numbered replacement keys sold separately.



Measures:
4-3/4" (120 mm) Wide x
2-3/4" (70 mm) High

Typical Lock Positions



SPECIFICATIONS:
For Use With: 3/8" or 1/2" (10 or 12 mm) Glass Doors
Recommended Gap Between Panels: 3/16" (5 mm)

ONLINE INSTALLATION RESOURCES



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.

DELUXE SLIP-ON PATCH LOCK

CAT. NO.	GLASS THICKNESS	FINISH
01P38	3/8" (10 mm)	Chrome
01P12	1/2" (12 mm)	Chrome

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

REPLACEMENT KEYS

CAT. NO.	DESCRIPTION
01PKEY1	Key #1 for 01P Locks
01PKEY2	Key #2 for 01P Locks
01PKEY3	Key #3 for 01P Locks
01PKEY4	Key #4 for 01P Locks

Minimum order: 1 each.

CRL Glass Mounted Slip-On Patch Lock for 3/8" or 1/2" Glass

- No Glass Fabrication Required

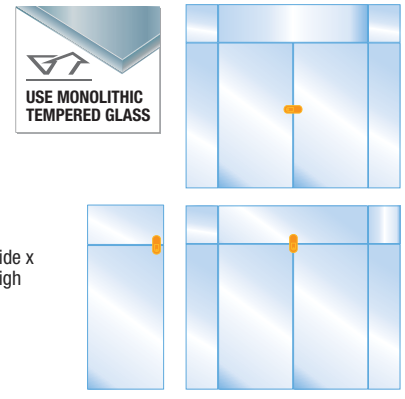
SPECIFICATIONS:
For Use With: 3/8" or 1/2" (10 or 12 mm) Glass Doors
Recommended Gap Between Panels: 3/16" (5 mm)
Includes:
Lock Housing (Brass or Chrome Finish);
Three Keys; Gaskets and Instructions





Measures:
5-1/2" (139 mm) Wide x
3-1/4" (82 mm) High

Typical Lock Positions



The Glass Mounted Slip-On Patch Lock affords ease of installation, 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.

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 KEY

CAT. NO.	DESCRIPTION
SL1PKEY	Blank Key for Slip-On Lock

Minimum order: 1 each.

CRL Cylindrical Lever Lock Code Compliances

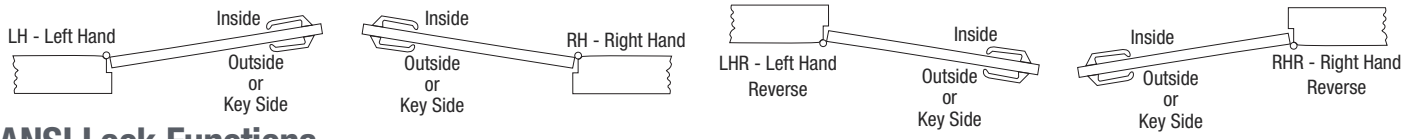
- ANSI A156.2 Grade 1. UL10C and UBC 7.2 for Positive Pressure
- ANSI A117.1 and A.D.A. for Barrier-Free Accessibility
- C-UBC California Amended Uniform Builders Code – 2001
- NFPA-80 National Fire Protection - 1999
- NFPA101 National Fire Protection - Life Safety - 2000

CRL Mortise Lever Lock Code Compliances

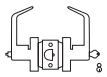
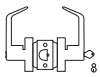
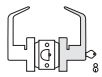
- ANSI A156.13 Series 1000 Grade 1 Listed. UL10C and UBC 7.2 for Positive Pressure
- ANSI A117.1 and A.D.A. for Barrier-Free Accessibility
- C-UBC California Amended Uniform Builders Code – 2001
- NFPA-80 National Fire Protection - 1999
- NFPA101 National Fire Protection - Life Safety - 2000

Door Handing Capabilities

Door handing is determined from outside or key (secure) side of the door.



ANSI Lock Functions

INTERIOR	EXTERIOR	FUNCTION ANSI NUMBER	FUNCTION DESCRIPTION
		ENTRANCE F 109	Pushing inside button locks outside trim, requiring key to unlock. Pushing and twisting button locks outside lever and always requires a key to unlatch. Inside lever always allows free egress.
		CLASSROOM F 84	Outside lever locked or unlocked by key.
		STOREROOM F 86	Outside lever always locked. Key unlatches only. Inside lever always allows free egress.
		PASSAGE F 75	Both levers are always free.
		PRIVACY F 76	Push button locking from inside. Lock can be opened from outside with narrow flat head screwdriver or by rotating inside lever.
		ENTRANCE F 20	Latchbolt operated by lever from either side, except when outside lever is made inoperative by push button rocker. Deadbolt projected by key from outside and by thumbturn from inside. Deadbolt retracted by key from outside. Both bolts retracted by inside lever with simultaneous retraction.

CRL Heavy-Duty Mortise Lever Lockset

- ANSI A156.13 Series 1000 Grade 1
- Supplied in ANSI-F20 Entrance Lock Function
- Field Reversible (Non-Handed)
- Fits Doors 1-3/8" to 1-3/4" (35 to 45 mm) Thick
- 2-3/4" (70 mm) Backset
- Schlage® 'C' 6-Pin, 1-1/8" (29 mm) Mortise Cylinder
- Supplied With ANSI 1-1/4" x 4-7/8" (32 x 124 mm) Strike
- Locks are Keyed Randomly

Other functions are available through our special order program. For more information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can also send us an e-mail at **architectural@crlaurence.com**.

UL is a registered trademark of UL LLC.
Schlage is a registered trademark of Allegion plc.

ONLINE INSTALLATION RESOURCES



Interior Side



CAT. NO.	DESCRIPTION	FINISH
ML9453	Heavy-Duty Mortise Lever Lock	Satin Chrome

Minimum order: 1 each. Specify handing when ordering.

CRL Heavy-Duty Grade 1 and Grade 2 Lever Locksets - Entrance

- ANSI A156.2 Grades 1 and 2
- Grade 1 Includes Clutch Feature
- Choice of Keyways
- UL Listed

ONLINE INSTALLATION RESOURCES

c UL us LISTED



Schlage® 'C' 6-Pin Keyway

These CRL Heavy-Duty Commercial Grade 1 and 2 Lever Locksets are non-handed, and reversible. Grade 1 Locksets have a clutch feature that disengages the outer lever when the latch is locked. This prevents latch failure when excessive torque is applied to the outer lever in an attempt to force entry.

These Locksets are UL Listed with a 3-hour fire rating, and fit door thicknesses from 1-3/8" to 1-3/4" (35 to 45 mm) with a 2-3/4" (70 mm) backset. Available with either a Schlage® 'C' 6-pin keyway or a 7-pin Small Format Interchangeable Core (SFIC), and an ANSI 1-1/4" x 4-7/8" (32 x 124 mm) Strike.

NOTE: Locksets are keyed randomly.

GRADE 1

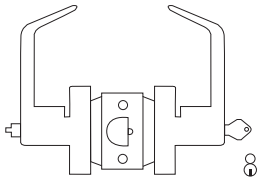
SCHLAGE® 6-PIN CAT. NO.	7-PIN SFIC CAT. NO.	FINISH
D50ENT	D52ENT	Brushed Chrome
D50ENTCH	D52ENTCH	Polished Chrome
D50ENTBN	D52ENTBN	Brushed Nickel
D50ENTPB	D52ENTPB	Polished Brass
D50ENT0RB	D52ENT0RB	Oil Rubbed Bronze

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

GRADE 2

SCHLAGE® 6-PIN CAT. NO.	7-PIN SFIC CAT. NO.	FINISH
D55ENT	D57ENT	Brushed Chrome
D55ENTCH	D57ENTCH	Polished Chrome
D55ENTBN	D57ENTBN	Brushed Nickel
D55ENTPB	D57ENTPB	Polished Brass
D55ENT0RB	D57ENT0RB	Oil Rubbed Bronze

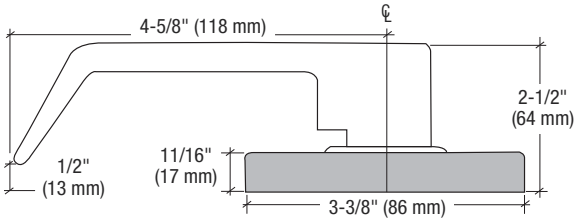
Minimum order: 1 each. All Lever Locksets can be combined for quantity pricing.



Entrance Function (F 109)



7-Pin SFIC Keyway



CRL Heavy-Duty Grade 1 and Grade 2 Lever Locksets - Storeroom

- ANSI A156.2 Grades 1 and 2
- Grade 1 Includes Clutch Feature
- Choice of Keyways
- UL Listed

ONLINE INSTALLATION RESOURCES

c UL us LISTED



Schlage® 'C' 6-Pin Keyway

These CRL Heavy-Duty Commercial Grade 1 and 2 Lever Locksets are non-handed, and reversible. Grade 1 Locksets have a clutch feature that disengages the outer lever when the latch is locked. This prevents latch failure when excessive torque is applied to the outer lever in an attempt to force entry.

These Locksets are UL Listed with a 3-hour fire rating, and fit door thicknesses from 1-3/8" to 1-3/4" (35 to 45 mm) with a 2-3/4" (70 mm) backset. Available with either a Schlage® 'C' 6-pin keyway or a 7-pin Small Format Interchangeable Core (SFIC), and an ANSI 1-1/4" x 4-7/8" (32 x 124 mm) Strike.

NOTE: Locksets are keyed randomly.

GRADE 1

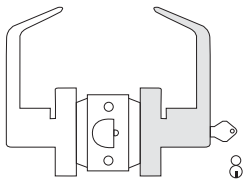
SCHLAGE® 6-PIN CAT. NO.	7-PIN SFIC CAT. NO.	FINISH
D70STR	D72STR	Brushed Chrome
D70STRCH	D72STRCH	Polished Chrome
D70STRBN	D72STRBN	Brushed Nickel
D70STRPB	D72STRPB	Polished Brass
D70STR0RB	D72STR0RB	Oil Rubbed Bronze

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

GRADE 2

SCHLAGE® 6-PIN CAT. NO.	7-PIN SFIC CAT. NO.	FINISH
D75STR	D77STR	Brushed Chrome
D75STRCH	D77STRCH	Polished Chrome
D75STRBN	D77STRBN	Brushed Nickel
D75STRPB	D77STRPB	Polished Brass
D75STR0RB	D77STR0RB	Oil Rubbed Bronze

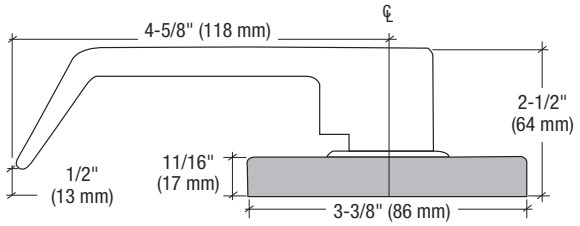
Minimum order: 1 each. All Lever Locksets can be combined for quantity pricing.



Storeroom Function (F 86)



7-Pin SFIC Keyway



UL is a registered trademark of UL LLC.
Schlage is a registered trademark of Allegion plc.

CRL Heavy-Duty Grade 1 and Grade 2 Lever Locksets - Classroom

- ANSI A156.2 Grades 1 and 2
- Grade 1 Includes Clutch Feature
- Choice of Keyways
- UL Listed

ONLINE INSTALLATION RESOURCES

c UL US LISTED



Schlage® 'C' 6-Pin Keyway

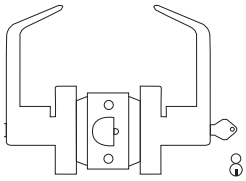
These CRL Heavy-Duty Commercial Grade 1 and 2 Lever Locksets are non-handed, and reversible. Grade 1 Locksets have a clutch feature that disengages the outer lever when the latch is locked. This prevents latch failure when excessive torque is applied to the outer lever in an attempt to force entry.

These Locksets are UL Listed with a 3-hour fire rating, and fit door thicknesses from 1-3/8" to 1-3/4" (35 to 45 mm) with a 2-3/4" (70 mm) backset. Available with either a Schlage® 'C' 6-pin keyway or a 7-pin Small Format Interchangeable Core (SFIC) and an ANSI 1-1/4" x 4-7/8" (32 x 124 mm) Strike.
NOTE: Locksets are keyed randomly.

GRADE 1

SCHLAGE® 6-PIN CAT. NO.	7-PIN SFIC CAT. NO.	FINISH
D80CLS	D82CLS	Brushed Chrome
D80CLSCH	D82CLSCH	Polished Chrome
D80CLSBN	D82CLSBN	Brushed Nickel
D80CLSPB	D82CLSPB	Polished Brass
D80CLS0RB	D82CLS0RB	Oil Rubbed Bronze

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



Classroom Function
(F 84)

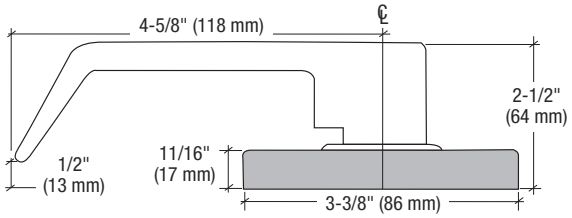


7-Pin SFIC Keyway

GRADE 2

SCHLAGE® 6-PIN CAT. NO.	7-PIN SFIC CAT. NO.	FINISH
D85CLS	D87CLS	Brushed Chrome
D85CLSCH	D87CLSCH	Polished Chrome
D85CLSBN	D87CLSBN	Brushed Nickel
D85CLSPB	D87CLSPB	Polished Brass
D85CLS0RB	D87CLS0RB	Oil Rubbed Bronze

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



CRL Heavy-Duty Grade 1 and Grade 2 Lever Locksets - Passage

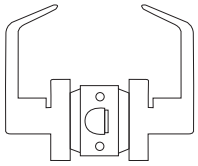
- ANSI A156.2 Grades 1 and 2
- UL Listed

ONLINE INSTALLATION RESOURCES

c UL US LISTED



These CRL Heavy-Duty Commercial Grade 1 and 2 Lever Locksets are non-handed and reversible. Locksets are UL Listed with a 3-hour fire rating, and fit door thicknesses from 1-3/8" to 1-3/4" (35 to 45 mm) with a 2-3/4" (70 mm) backset. An ANSI 1-1/4" x 4-7/8" (32 x 124 mm) Strike is included.



Passage Function
(F 75)

GRADE 1

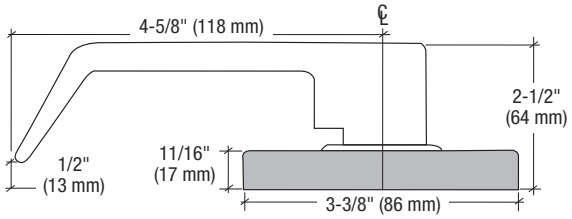
CAT. NO.	FINISH
D10PASS	Brushed Chrome
D10PASSCH	Polished Chrome
D10PASSBN	Brushed Nickel
D10PASSPB	Polished Brass
D10PASS0RB	Oil Rubbed Bronze

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

GRADE 2

CAT. NO.	FINISH
D15PASS	Brushed Chrome
D15PASSCH	Polished Chrome
D15PASSBN	Brushed Nickel
D15PASSPB	Polished Brass
D15PASS0RB	Oil Rubbed Bronze

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



UL is a registered trademark of UL LLC.
Schlage is a registered trademark of Allergion plc.

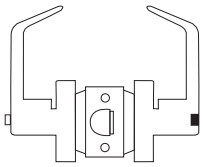
CRL Heavy-Duty Grade 1 and Grade 2 Lever Locksets - Privacy

ONLINE INSTALLATION RESOURCES

- ANSI A156.2 Grades 1 and 2
- Grade 1 Includes Clutch Feature
- UL Listed

c UL us LISTED

These CRL Heavy-Duty Commercial Grade 1 and 2 Lever Locksets are non-handed and reversible. Locksets are UL Listed with a 3-hour fire rating, and fit door thicknesses from 1-3/8" to 1-3/4" (35 to 45 mm) with a 2-3/4" (70 mm) backset. An ANSI 1-1/4" x 4-7/8" (32 x 124 mm) Strike is included.



Privacy Function
(F 76)



GRADE 1

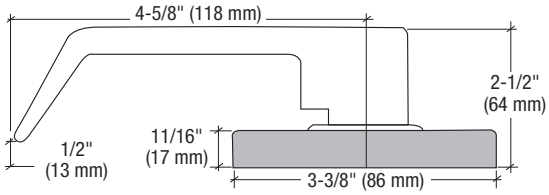
CAT. NO.	FINISH
D40PRV	Brushed Chrome
D40PRVCH	Polished Chrome
D40PRVBN	Brushed Nickel
D40PRVPB	Polished Brass
D40PRV0RB	Oil Rubbed Bronze

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

GRADE 2

CAT. NO.	FINISH
D45PRV	Brushed Chrome
D45PRVCH	Polished Chrome
D45PRVBN	Brushed Nickel
D45PRVPB	Polished Brass
D45PRV0RB	Oil Rubbed Bronze

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



CRL Deadlatches, Spring Latches, and Strikes for Lever Locks

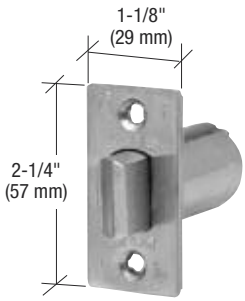
- Non-Handed and Reversible
- ANSI A156.2 Grades 1 and 2
- UL Listed

c UL us LISTED

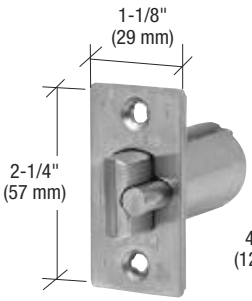
CRL Deadlatches and Spring Latches are made for 2-3/8" (60 mm) or 2-3/4" (70 mm) backsets. Both Latches and Strikes are designed to work with the CRL Lever Locksets shown above. One per package.

CAT. NO.	FUNCTION	GRADE	BACKSET
SL234	Spring Latch	1	2-3/4" (70 mm)
SL238	Spring Latch	2	2-3/8" (60 mm)
DL234	Deadlatch	1	2-3/4" (70 mm)
DL238	Deadlatch	2	2-3/8" (60 mm)
PLK1ASA	Strike	----	---------

Minimum order: 1 each. Deadlatches, Spring Latches, and Strikes can be combined for quantity pricing.



Spring Latch



Deadlatch



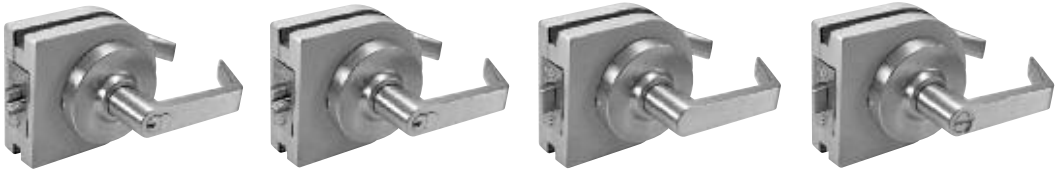
Strike

CRL Glass Lever Lock Housings

c UL us LISTED

USE MONOLITHIC TEMPERED GLASS

- Low Profile Body Design for Use with 3/8" or 1/2" (10 or 12 mm) Glass
- Supplied With ANSI A156.2 Grade 1 or Grade 2 Lever Lock
- Non-Handed and Reversible
- Five Architectural Finishes Available
- Four Function Options (See Pages T572-T573)





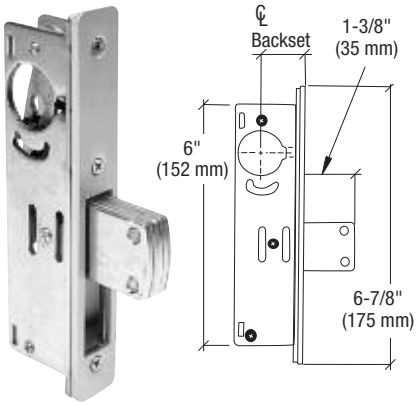
Glass Fabrication is required. Installation Instructions and Fabrication Template Included.

UL is a registered trademark of UL LLC.

CRL COMMERCIAL DOOR LOCKS

CRL Long Throw Deadlocks

- 1-3/8" (35 mm) Throw
- Cylinder Backsets: 31/32" or 1-1/8" (25 or 29 mm)
- Throw Bolt Made of 5-Ply Laminated Steel With Center 3-Ply Hardened Case Plus Hardened Roller Pin to Resist Hacksaw
- Lock Accepts Standard 1-5/32" (29 mm) Diameter Mortise Key or Thumbturn Cylinders With AR MS-Type Cam
- Faceplate (Optional)

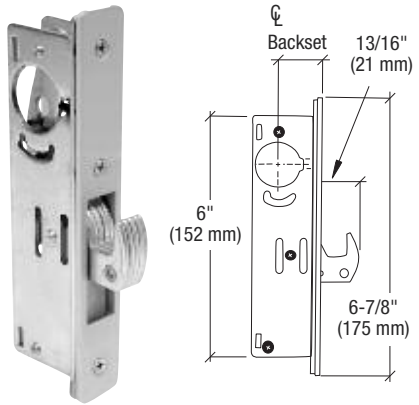


CAT. NO.	BACKSET	HANDED
DL2110A	31/32" (25 mm)	Non-Handed
DL2110B	1-1/8" (29 mm)	Non-Handed

Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing.

CRL Hook Throw Deadlocks

- 13/16" (21 mm) Throw
- Cylinder Backsets: 31/32" or 1-1/8" (25 or 29 mm)
- Throw Bolt Made of 5-Ply Laminated Steel With Center 3-Ply Hardened Case Plus Hardened Roller Pin to Resist Hacksaw
- Lock Accepts Standard 1-5/32" (29 mm) Diameter Mortise Key or Thumbturn Cylinders With AR MS-Type Cam
- Faceplate (Optional)

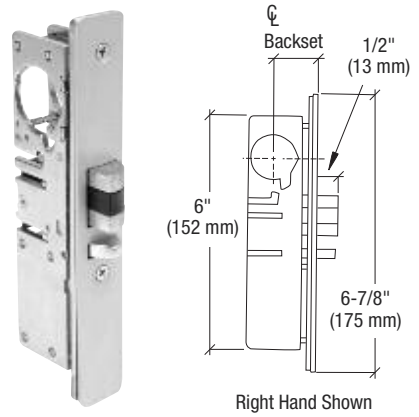


CAT. NO.	BACKSET	HANDED
DL2130A	31/32" (25 mm)	Non-Handed
DL2130B	1-1/8" (29 mm)	Non-Handed

Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing.

CRL Deadlatch Locks

- 1/2" (13 mm) Throw
- Cylinder Backsets: 31/32" or 1-1/8" (25 or 29 mm)
- Field Reversible for Opposite Hand
- Key Controlled Dogging
- Lock Accepts Standard 1-5/32" (29 mm) Diameter Mortise Key or Thumbturn Cylinders With AR MS-Type Cam
- Faceplate and Strike (Optional)



Right Hand Shown

CAT. NO.	BACKSET	HANDED*
DL2140ALH	31/32" (25 mm)	Left
DL2140ARH	31/32" (25 mm)	Right
DL2140BLH	1-1/8" (29 mm)	Left
DL2140BRH	1-1/8" (29 mm)	Right

Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing. * See page T584 for Handing Chart.

CRL Optional Faceplates

- For Use With All Deadlocks and Deadlatch Locks Above
- All Faceplates Measure 1" x 6-7/8" (25 x 175 mm)



For DL2110 Series
Long Throw Deadlocks



For DL2130 Series
Hook Throw Deadlocks

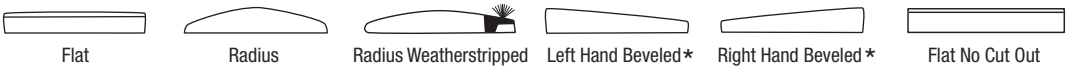


For DL2140 Series
Deadlatch Locks



For DL2110 and DL2130 Series
Flat No Cut Out

Faceplate Styles



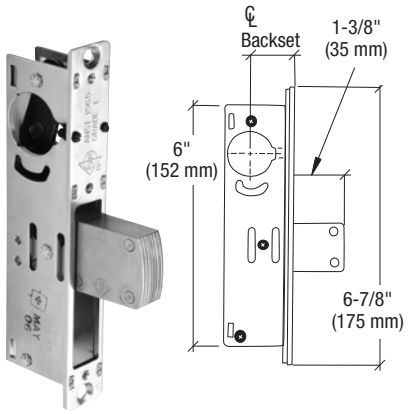
Flat | Radius | Radius Weatherstripped | Left Hand Beveled* | Right Hand Beveled* | Flat No Cut Out

LOCK SERIES	FINISH	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
DL2110	Aluminum	DL2111A	DL2112A	DL2113A	DL2114A	DL2115A	DL2100A
DL2110	Dark Bronze	DL2111DU	DL2112DU	DL2113DU	DL2114DU	DL2115DU	DL2100DU
DL2130	Aluminum	DL2131A	DL2132A	DL2133A	DL2134A	DL2135A	DL2100A
DL2130	Dark Bronze	DL2131DU	DL2132DU	DL2133DU	DL2134DU	DL2135DU	DL2100DU
DL2140	Aluminum	DL2141A	DL2142A	DL2143A	DL2144A	DL2145A	—
DL2140	Dark Bronze	DL2141DU	DL2142DU	DL2143DU	DL2144DU	DL2145DU	—

Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing. * See page T584 for Handing Chart.

Adams Rite® Long Throw Deadlocks

- 1-3/8" (35 mm) Throw
- Cylinder Backsets: 31/32" or 1-1/8" (25 or 29 mm)
- Throw Bolt Made of 8-Ply Laminated Stainless Steel
- Center Ply has Alumina-Ceramic Core to Defeat Hacksaw Attacks
- Accepts Standard 1-5/32" (29 mm) Diameter Mortise Key or Thumbturn Cylinder With AR MS-Type Cam
- Faceplate (Optional)

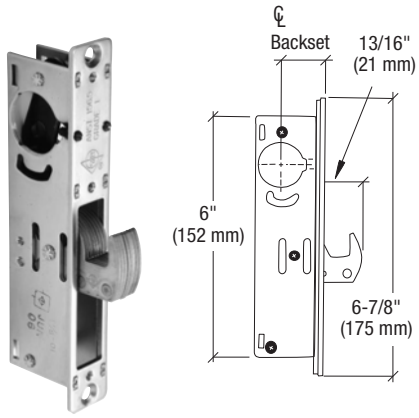


CAT. NO.	BACKSET	HANDED
MS18532	31/32" (25 mm)	Non-Handed
MS18533	1-1/8" (29 mm)	Non-Handed

Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing. Faceplates sold separately.

Adams Rite® Hook Throw Deadlocks

- 13/16" (21 mm) Throw
- Cylinder Backsets: 31/32" or 1-1/8" (25 or 29 mm)
- Throw Bolt Made of 8-Ply Laminated Stainless Steel
- Center Ply has Alumina-Ceramic Core to Defeat Hacksaw Attacks
- Accepts Standard 1-5/32" (29 mm) Diameter Mortise Key or Thumbturn Cylinder With AR MS-Type Cam
- Faceplate (Optional)

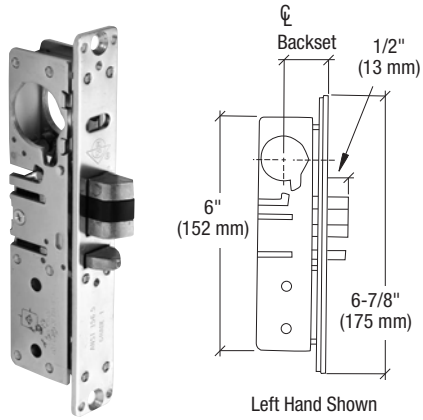


CAT. NO.	BACKSET	HANDED
MS1853H2	31/32" (25 mm)	Non-Handed
MS1853H3	1-1/8" (29 mm)	Non-Handed

Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing. Faceplates sold separately.

Adams Rite® Deadlatch Locks

- 1/2" (13 mm) Throw
- Cylinder Backsets: 31/32" or 1-1/8" (25 or 29 mm)
- Field Reversible
- Accepts Standard 1-5/32" (29 mm) Diameter Mortise Key or Thumbturn Cylinder With AR MS-Type Cam
- Faceplate (Optional)



CAT. NO.	BACKSET	HANDED*
AR45132L	31/32" (25 mm)	Left
AR45132R	31/32" (25 mm)	Right
AR45133L	1-1/8" (29 mm)	Left
AR45133R	1-1/8" (29 mm)	Right

Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing. * See page T584 for Handing Chart. Faceplates sold separately.

Adams Rite® Optional Faceplates

- For Use With All Deadlocks and Deadlatch Locks Above
- All Faceplates Measure 1" x 6-7/8" (25 x 175 mm)



For MS1853 Series Long Throw Deadlocks

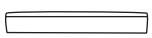


For MS1853H Series Hook Throw Deadlocks



For AR4513 Series Deadlatch Locks

Faceplate Styles



Flat



Radius



Left Hand Beveled *



Right Hand Beveled *

LOCK SERIES	FINISH	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
MS1853	Aluminum	18010AL	18110AL	18210AL	18310AL
MS1853	Dark Bronze	18010DU	18110DU	18210DU	18310DU
MS1853H	Aluminum	18020AL	18120AL	18220AL	18320AL
MS1853H	Dark Bronze	18020DU	18120DU	18220DU	18320DU
AR4513	Aluminum	450220AL	451220AL	452220AL	453220AL
AR4513	Dark Bronze	450220DU	451220DU	452220DU	453220DU

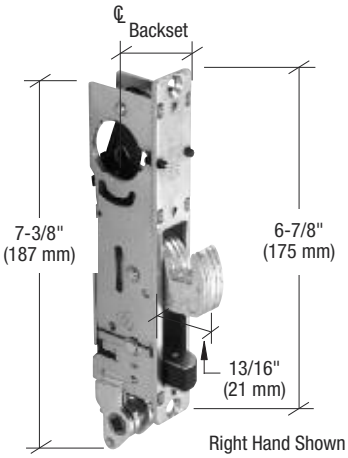
Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing. * See page T584 for Handing Chart.

Adams Rite is a registered trademark of Adams Rite Manufacturing Co., an ASSA ABLOY Group Company.

Adams Rite® Hook Throw Deadbolt/Latch

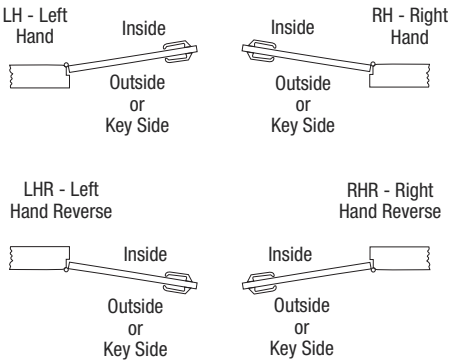
- 13/16" (21 mm) Throw
- Cylinder Backset: 1-1/8" (29 mm)

Throw bolt is made of 5-ply laminated stainless steel. Center ply has alumina-ceramic core to defeat any hacksaw attack, including "super hacksaws". Hook shape repels prybar attempts. Lock accepts standard 1-5/32" (29 mm) diameter mortise key or thumbturn cylinders with AR MS-Type Cam. Typical installation is a bank or store requiring three modes of door control: 1. Both lock and latch bolts retracted for unrestricted entry and exit during business hours. 2. Handle-operated latch for exit-only traffic just after closing. 3. Maximum security hookbolt for overnight lockup.



Right Hand Shown

Door Handing is Determined from Outside or Key (Secure) Side of the Door.



CAT. NO.	BACKSET	HANDED
DH18900L	1-1/8" (29 mm)	Left
DH18900R	1-1/8" (29 mm)	Right

Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing. Faceplates sold separately.

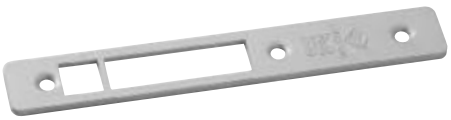
Adams Rite® Optional Faceplates

- For Use With Deadbolt/Latch Locks Above
- All Faceplates Measure 1" x 6-7/8" (25 x 175 mm)

Faceplate Styles



For Offset Hung Single Door



CAT. NO.	CAT. NO.	FINISH	LOCK SERIES
DH19111L	DH19111R	Aluminum	DH18900
DH19122L	DH19122R	Dark Bronze	DH18900

Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing.



For Center Hung Single Door



CAT. NO.	FINISH	LOCK SERIES
DH19211	Aluminum	DH18900
DH19222	Dark Bronze	DH18900

Minimum order: 1 each. All Deadlocks and Faceplates can be combined for quantity pricing.

Adams Rite is a registered trademark of Adams Rite Manufacturing Co., an ASSA ABLOY Group Company.

CRL Frame Lock Strikes for Adams Rite® Hook Throw Deadbolt/Latch Series DH18900

- Four Models Available
- Brushed Stainless Steel
- Includes Dust Box and Mounting Screws



Lock Strike for inactive door stile.

CAT. NO. DH19400

Minimum order: 1 each.



Lock Strike for center hung door 4" (102 mm) frame.

CAT. NO. DH19500

Minimum order: 1 each.



Lock Strike for center hung door 4-1/2" (114 mm) frame.

CAT. NO. DH19600

Minimum order: 1 each.



Lock Strike for offset hung door frame.

CAT. NO. DH19300

Minimum order: 1 each.

CRL Frame Lock Strikes for Deadbolt/Latch Series DL2140 and AR4513

- Four Models Available
- Brushed Stainless Steel
- Includes Dust Box and Mounting Screws



Lock Strike for offset hung door frame.

CAT. NO. DH02800

Minimum order: 1 each.



Lock Strike for center hung door 4" (102 mm) frame.

CAT. NO. DH12700

Minimum order: 1 each.



Lock Strike for center hung door 4-1/2" (114 mm) frame.

CAT. NO. DH12600

Minimum order: 1 each.



Lock Strike for inactive door stile.

CAT. NO. DH12800

Minimum order: 1 each.

CRL Single Mortise Key Cylinder

- 1" (25 mm) Length 5-Pin Cylinder; 1-5/32" (29 mm) Diameter
- AR MS-Type Cam
- Available Keyed Alike or Randomly
- Schlage® "C" or Yale® "8" Keyway
- Die Cast Zinc Construction



KEYED RANDOMLY CAT. NO.	KEYED ALIKE CAT. NO.	KEYWAY	FINISH
DL2170SCKDA	DL2170SCKAA	Schlage® "C"	Aluminum
DL2170SCKDDU	DL2170SCKADU	Schlage® "C"	Bronze
DL2170Y8KDA	DL2170Y8KAA	Yale® "8"	Aluminum
DL2170Y8KDDU	DL2170Y8KADU	Yale® "8"	Bronze

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

CRL Rim Key Cylinder

- Available Keyed Alike or Randomly
- 5-Pin Cylinder
- Schlage® "C" Keyway



KEYED RANDOMLY CAT. NO.	KEYED ALIKE CAT. NO.	FINISH
DL911SCKDA	DL911SCKAA	Aluminum
DL911SCKDDU	DL911SCKADU	Bronze

Minimum order: 1 each. All Mortise and Rim Key Cylinders can be combined for quantity pricing.

CRL Double Mortise Key Cylinder

- 1" (25 mm) Length 5-Pin Cylinder; 1-5/32" (29 mm) Diameter
- AR MS-Type Cam
- Available Keyed Alike or Randomly in Pairs
- Schlage® "C" or Yale® "8" Keyway
- Die Cast Zinc Construction



KEYED RANDOMLY CAT. NO.	KEYED ALIKE CAT. NO.	KEYWAY	FINISH
DL2171SCKDA	DL2171SCKAA	Schlage® "C"	Aluminum
DL2171SCKDDU	DL2171SCKADU	Schlage® "C"	Bronze
DL2171Y8KDA	DL2171Y8KAA	Yale® "8"	Aluminum
DL2171Y8KDDU	DL2171Y8KADU	Yale® "8"	Bronze

Minimum order: 1 pair. All Mortise Cylinders can be combined for quantity pricing.

CRL DC Series Mortise and Rim Key Cylinders

- 1-5/32" (29 mm) Diameter
- 5-Pin Cylinder
- Schlage® "C" Keyway

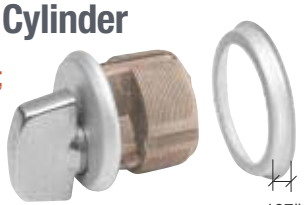


CAT. NO.	KEYED	LENGTH – TYPE	FINISH
DC7185SCKDSC	Randomly	1-1/8" (29 mm) - Mortise	Satin Chrome
DC7185SCKASC	Alike	1-1/8" (29 mm) - Mortise	Satin Chrome
DC7185SCKDDU	Randomly	1-1/8" (29 mm) - Mortise	Dark Bronze
DC7185SCKADU	Alike	1-1/8" (29 mm) - Mortise	Dark Bronze
DC7205SCKDSC	Randomly	1-1/4" (32 mm) - Mortise	Satin Chrome
DC7205SCKASC	Alike	1-1/4" (32 mm) - Mortise	Satin Chrome
DC7205SCKDDU	Randomly	1-1/4" (32 mm) - Mortise	Dark Bronze
DC7205SCKADU	Alike	1-1/4" (32 mm) - Mortise	Dark Bronze
DC7015SC8KDSC	Randomly	1-3/4" Tailpiece - Rim	Satin Chrome
DC7015SC8KASC	Alike	1-3/4" Tailpiece - Rim	Satin Chrome
DC7015SC8KDDU	Randomly	1-3/4" Tailpiece - Rim	Dark Bronze
DC7015SC8KADU	Alike	1-3/4" Tailpiece - Rim	Dark Bronze

Minimum order: 1 each. All Mortise and Rim Key Cylinders can be combined for quantity pricing.

CRL Mortise Thumbturn Cylinder

- 1" (25 mm) Length 5-Pin Cylinder; 1-5/32" (29 mm) Diameter
- AR MS-Type Cam
- Die Cast Zinc Construction



CAT. NO.	FINISH
DL2172A	Aluminum Face with Aluminum Turn
DL2172DU	Bronze Face with Aluminum Turn
DL2178DU	Bronze Face with Bronze Turn

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

CRL Mortise Dummy Cylinder

- 1-5/32" (29 mm) Diameter, 7/8" (22 mm) Long
- Fills Abandoned Cylinder Holes
- Die Cast Zinc Construction



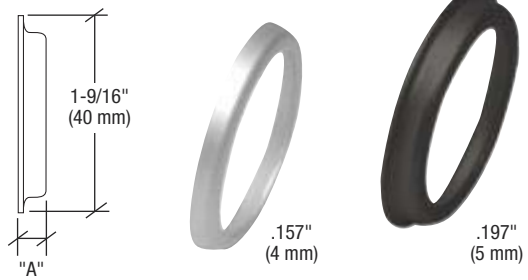
CAT. NO.	FINISH
DL2173A	Aluminum
DL2173DU	Bronze

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

Schlage is a registered trademark of Allegion plc.
Yale is a registered trademark of Yale Security, Inc.

CRL Flared Cylinder Rings

- For Spacing Mortise Key Cylinders

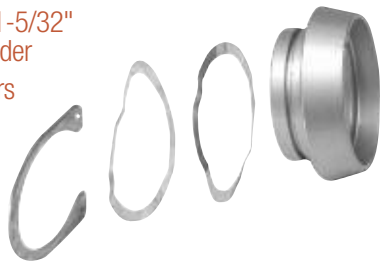


CAT. NO.	DIMENSION "A"	FINISH
DL2175AA	.157" (4 mm)	Aluminum
DL2175AB	.197" (5 mm)	Aluminum
DL2175DUA	.157" (4 mm)	Bronze
DL2175DUB	.197" (5 mm)	Bronze

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

CRL Cylinder Guard

- Hardened Steel Security Ring
- Free Spinning Beveled Collar
- For Standard Face 5-Pin, 1-5/32" (29 mm) Mortise Key Cylinder
- For Use on Aluminum Doors

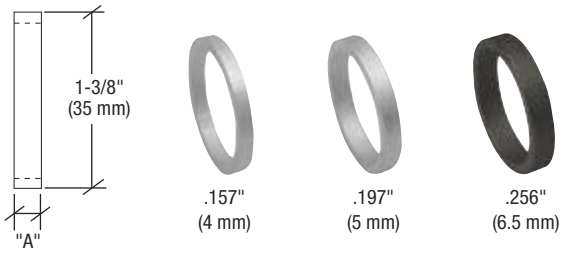


CAT. NO.	COLLAR HEIGHT	FINISH
DL2174A	3/8" (10 mm)	Aluminum
DL2174DU	3/8" (10 mm)	Bronze

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

CRL Straight Cylinder Rings

- For Spacing Mortise Key Cylinders

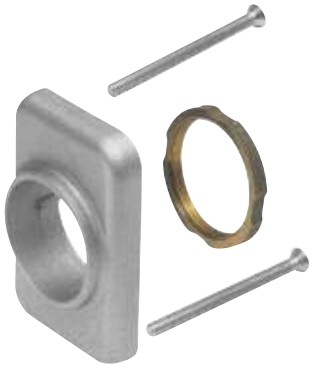


CAT. NO.	DIMENSION "A"	FINISH
DL2176AA	.157" (4 mm)	Aluminum
DL2176AB	.197" (5 mm)	Aluminum
DL2176AC	.256" (6.5 mm)	Aluminum
DL2176DUA	.157" (4 mm)	Bronze
DL2176DUB	.197" (5 mm)	Bronze
DL2176DUC	.256" (6.5 mm)	Bronze

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

CRL Cylinder Mounting Pad

- For Mounting Mortise Cylinders
- Includes Locking Ring



CAT. NO.	WIDTH	HEIGHT	FINISH
DL913A	1-11/16" (34 mm)	2-1/2" (64 mm)	Aluminum
DL913DU	1-11/16" (34 mm)	2-1/2" (64 mm)	Bronze

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

CRL Lock Indicator Set

- Use With CRL DL2100 Series Deadlocks and AR MS Series Deadlocks
- Slide in Up Position Shows OPEN in Green Letters, Down Position Shows LOCKED in Red Letters
- Includes One 26" x 1-1/2" (660 x 38 mm) Header Sign



CAT. NO.	FINISH
DL2177A	Aluminum
DL2177DU	Bronze

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

THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS

Header Sign Included

CRL Inverted Lock Indicator Set

- Slide in Up Position Shows LOCKED in Red Letters, Down Position Shows OPEN in Green Letters
- Includes One 26" x 1-1/2" (660 x 38 mm) Header Sign



CAT. NO.	FINISH
DL2187A	Aluminum
DL2187DU	Bronze

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

THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS

Header Sign Included

TOLL Phone: (800) 421-6144
FREE Fax: (800) 262-3299
From Anywhere in the U.S. or Canada

CRL US ALUMINUM

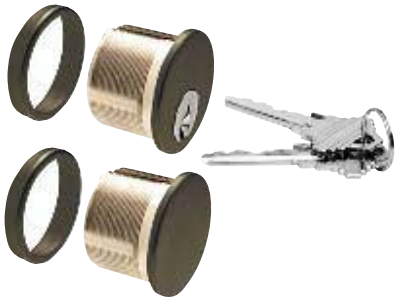
CRL Mortise Cylinder Combination Sets

- 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 Sets provide the ultimate security and functionality for the CRL Wedge-Lock® Door Rail System. Used in conjunction with 777S and 777SL Door Rail Locks, 777SP Series Strike Plates, and AMR208 Series Dustproof Keepers. 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 SET CAT. NO.	CYLINDER/DUMMY SET CAT. NO.	THUMBTURN/DUMMY SET CAT. NO.	FINISH
DRA1020SA	DRA1030SA	DRA2030SA	Satin Anodized
DRA1020DU	DRA1030DU	DRA2030DU	Bronze Anodized
DRA1020PS	DRA1030PS	DRA2030PS	Polished Stainless
DRA1020BS	DRA1030BS	DRA2030BS	Brushed Stainless
DRA1020PB	DRA1030PB	DRA2030PB	Polished Brass

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

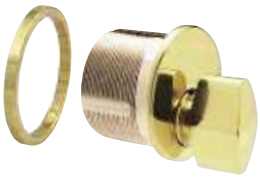
CRL Mortise Cylinders, Thumbturns, and Dummy Cylinders

- 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 and 777SL Door Rail Locks, 777SP Series Strike Plates, and AMR208 Series Dustproof Keepers. Installations and modifications are easy. Can also be used as replacements for most existing 'all-glass' doors. **NOTE:** Key Cylinders are available keyed alike or randomly (see below).



DRA10/DRA10K
Keyed Cylinder



DRA20
Thumbturn



DRA22
Low Profile Thumbturn



DRA30
Dummy Cylinder

KEYED ALIKE CYLINDER CAT. NO.	KEYED RANDOMLY CYLINDER CAT. NO.	THUMBTURN CAT. NO.	LOW PROFILE THUMBTURN CAT. NO.	DUMMY CYLINDER CAT. NO.	FINISH
DRA10SA	DRA10KDSA	DRA20SA	DRA22SA	DRA30SA	Satin Anodized
DRA10DU	DRA10KDDU	DRA20DU	DRA22DU	DRA30DU	Bronze Anodized
DRA10PS	DRA10KDPS	DRA20PS	DRA22PS	DRA30PS	Polished Stainless
DRA10BS	DRA10KDBS	DRA20BS	DRA22BS	DRA30BS	Brushed Stainless
DRA10PB	DRA10KDPB	DRA20PB	DRA22PB	DRA30PB	Polished Brass

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

CRL Mortise Cylinders and Thumbturns

- Work With Adams Rite® MS Type Locks
- Replacement Cylinders and Thumbturns for All CRL 4" x 10" and Low Profile Center Lock Housings
- Five Architectural Finishes

These CRL Keyed Cylinders and Thumbturns are designed as replacements on all of our standard 4" x 10" (102 x 254 mm) and Low Profile Center Lock Housings. They can also be used as replacements in Adams Rite® MS Type Locks. These are a good item to stock if you regularly work in the repair and maintenance of aluminum storefront doors. **NOTE:** All Cylinders are keyed alike. Randomly Keyed Cylinders are available on special order.



DRA50
Keyed Cylinder



DRA60
Thumbturn



DRA5060
Cylinder/Thumbturn

KEYED CYLINDER CAT. NO.	THUMBTURN CAT. NO.	CYLINDER/THUMBTURN SET CAT. NO.	FINISH
DRA50SA	DRA60SA	DRA5060SA	Satin Anodized
DRA50DU	DRA60DU	DRA5060DU	Bronze Anodized
DRA50PS	DRA60PS	DRA5060PS	Polished Stainless
DRA50BS	DRA60BS	DRA5060BS	Brushed Stainless
DRA50PB	DRA60PB	DRA5060PB	Polished Brass

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

CRL Mortise Cylinder Cams

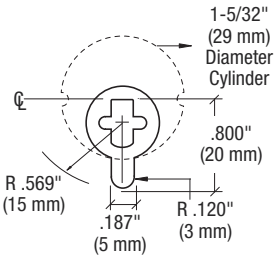
The DRACAM is a CRL Adams Rite® style cam. The DRA10CAM is used on CRL Wedge-Lock® Rail Systems requiring a longer cam. One per package. Minimum order is one each.

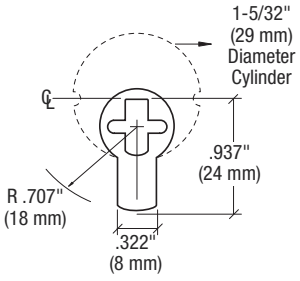


CAT. NO. DRACAM



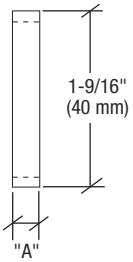
CAT. NO. DRA10CAM





CRL DRA Series Straight Cylinder Rings

- Three Thicknesses to Choose From





These CRL Mortise Cylinder Rings fit the DRA Series Cylinders shown above and on opposite page. One per package.

CAT. NO.	THICKNESS	FINISH
DRA100BS	.100" (2.5 mm)	Brushed Stainless
DRA100DU	.100" (2.5 mm)	Bronze Anodized
DRA100PB	.100" (2.5 mm)	Polished Brass
DRA100PS	.100" (2.5 mm)	Polished Stainless
DRA100SA	.100" (2.5 mm)	Clear Anodized
DRA256BS	.256" (6.5 mm)	Brushed Stainless
DRA256DU	.256" (6.5 mm)	Bronze Anodized
DRA256PB	.256" (6.5 mm)	Polished Brass
DRA256PS	.256" (6.5 mm)	Polished Stainless
DRA256SA	.256" (6.5 mm)	Clear Anodized
DRA360BS	.360" (9 mm)	Brushed Stainless
DRA360DU	.360" (9 mm)	Bronze Anodized
DRA360PB	.360" (9 mm)	Polished Brass
DRA360PS	.360" (9 mm)	Polished Stainless
DRA360SA	.360" (9 mm)	Clear Anodized

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

Adams Rite is a registered trademark of Adams Rite Manufacturing Co., an ASSA ABLOY Group Company.

CRL Universal Push-Pull Paddles

- Field Reversible for Left or Right Hand Installations
- Fits DL2140 Series, Adams Rite®, S. Parker, I.D.C., Global, and Primeline Deadlatches
- Available in Six Finishes

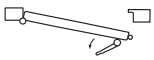


Push to the Right
Paddle Shown



Cam Plug Included

The Universal Push-Pull Paddle comes with cartridges which allow it to be applied to push or pull, left or right handed doors. It fits deadlatches with backsets from 7/8" (22 mm) to 1-1/2" (38 mm). Simple to follow instructions allow field reversal to meet your needs. Comes complete with cam plug, push and pull indicators, mounting screws, templates and directions. Measures approximately 5" x 4" (127 x 102 mm). Ordering the paddle to meet your specifications from the chart below eliminates disassembling and reassembling internal parts.

OPERATION	CAT. NO.	OPERATION	FINISH
 Pull to Left — DL2161 Series	DL2161A	Pull Left/Push Right	Aluminum
	DL2161DU	Pull Left/Push Right	Bronze
	DL2161BR	Pull Left/Push Right	Brass
	DL2161CH	Pull Left/Push Right	Chrome
	DL2161BN	Pull Left/Push Right	Brushed Nickel
	DL2161SC	Pull Left/Push Right	Satin Chrome
 Push to Left — DL2162 Series	DL2162A	Push Left/Pull Right	Aluminum
	DL2162DU	Push Left/Pull Right	Bronze
	DL2162BR	Push Left/Pull Right	Brass
	DL2162CH	Push Left/Pull Right	Chrome
	DL2162BN	Push Left/Pull Right	Brushed Nickel
	DL2162SC	Push Left/Pull Right	Satin Chrome
 Pull to Right — DL2163 Series	DL2163A	Pull Right/Push Left	Aluminum
	DL2163DU	Pull Right/Push Left	Bronze
 Push to Right — DL2164 Series	DL2164A	Push Right/Pull Left	Aluminum
	DL2164DU	Push Right/Pull Left	Bronze

Minimum order: 1 each. All Paddles and Lever Handles can be combined for quantity pricing.

CRL Cam Plug

- For Use With Push-Pull and Lever Handles
- Non-Handed, Reversible

The Cam Plug works with DL2160 Series Paddles, DL2150 and DH569 Series Lever Handles. Interfaces with all CRL Deadlatches. Minimum order is one each.



CAT. NO. DL2165

CRL Lever Handles

- Field Reversible for Left or Right Hand Installations
- Fits DL2140 Series, Adams Rite®, S. Parker, I.D.C., Global, and Primeline Deadlatches
- Available in Six Finishes



Cam Plug Included

Turning lever downward will activate deadlatch. Heavy-duty spring will return the lever automatically to fully horizontal position. The escutcheon is 1-3/8" x 4" (35 x 102 mm), with a 1/4" (6 mm) square hardened spindle that interlocks in the included cam plug.

CAT. NO.	HANDING	FINISH
DL2150LHA	Left	Aluminum
DL2150LHBN	Left	Brushed Nickel
DL2150LHBR	Left	Brass
DL2150LHCH	Left	Chrome
DL2150LHDU	Left	Bronze
DL2150LHSC	Left	Satin Chrome
DL2150RHA	Right	Aluminum
DL2150RHBN	Right	Brushed Nickel
DL2150RHBR	Right	Brass
DL2150RHCH	Right	Chrome
DL2150RHDU	Right	Bronze
DL2150RHSC	Right	Satin Chrome

Minimum order: 1 each. All Paddles and Lever Handles can be combined for quantity pricing.

Adams Rite® Lever Handles

- Anti-Snag Lever Handle
- Field Reversible for Right or Left Hand Installations
- Fits DL2140 Series, AR4513 Series, and DH189 Series Locks
- Available in Three Finishes

The handle is designed with a modern touch of elegance featuring an anti-snag returned lever handle adapted for all storefront doors 1-3/4" (44 mm) thick. Handing is easily reversed if required.



Cam Plug Included

CAT. NO.	HANDING	FINISH
DH56911L	Left	Satin Aluminum
DH56922L	Left	Dark Bronze
DH56925L	Left	Champagne
DH56911R	Right	Satin Aluminum
DH56922R	Right	Dark Bronze
DH56925R	Right	Champagne

Minimum order: 1 each. All Paddles and Lever Handles can be combined for quantity pricing.

Adams Rite is a registered trademark of Adams Rite Manufacturing Co., an ASSA ABLOY Group Company.

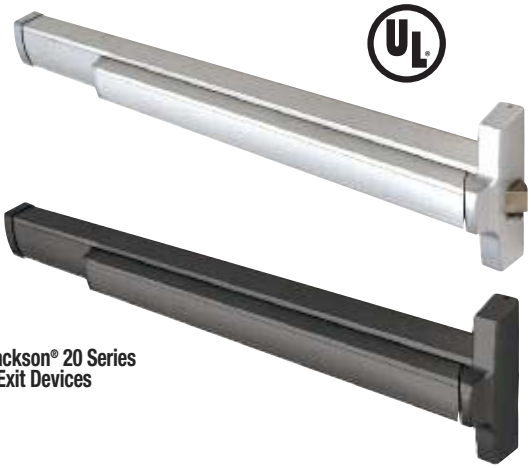
CRL Push Pad and Cross Bar Panic Exit Devices

- For Use With Narrow, Medium, and Wide Stile Aluminum, Wood, or Hollow Metal Doors
- Available as Concealed Vertical Rod and Rim Exit Devices
- Two Standard Architectural Finishes
- UL Listed Panic Exit Devices
- Rim Fire Exit Devices Available





CRL DL950 Push-Pad Rim Panic Exit Devices



CRL Jackson® 20 Series Panic Exit Devices



CRL DL1900 Narrow Stile Push-Pad Rim Panic Exit Devices



CRL Cross Bar Panic Exit Devices



CRL Jackson® 1200 Series Push-Pad Panic Exit Devices



CRL Jackson® 10 Series Panic Exit Devices

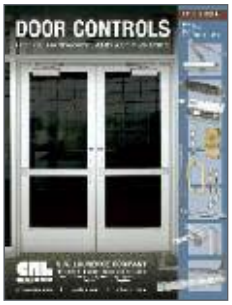
Please visit **crlaurence.com/panic-devices** for additional information

CRL Push Pad and Cross Bar Panic Exit Device Accessories





CRL Jackson® Locking
Flat Lever Outside Trim



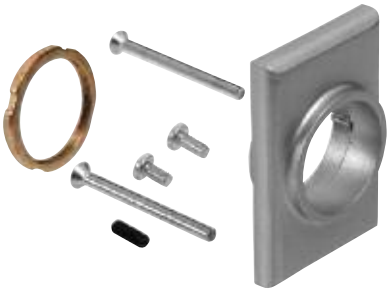
See the complete selection of Access Devices in our DC14 Door Controls Catalog, or go to the Online Catalog at crlaurence.com/catalogs.



CRL Rim Key Cylinders



CRL Jackson®
Top Rod Extender



CRL Jackson® #821J
Cylinder Mounting Pads



CRL Single Mortise
Key Cylinders



CRL Jackson® 896
Removable Mullions



CRL Cylinder
Mounting Pads



CRL DRA Series
Mortise Cylinders

CRL-Blumcraft® Access Control Handles

BLUMCRAFT®
A DIVISION OF C.R. LAURENCE CO., INC.

- Access Control Handles With a Large Selection of Exterior Fixed Pulls for Medium and Wide Stile Doors
- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order

VISIT CRL-ARCH.COM FOR COMPLETE ARCHITECTURAL SPECIFICATIONS

USE MONOLITHIC TEMPERED GLASS

CRL-Blumcraft® manufactures a complete line of Access Control Handles for all your door needs. We have Panic Devices, Deadbolt Handles, and Electronic Egress Control Handles in a wide variety of configurations. We can also supply you with Dummy Handles to match these devices, allowing you to maintain the same appearance throughout the project, but without the added costs. Visit **crlaurence.com/access-handles** for more information.



CRL-Blumcraft® Designer Series Panic Handles

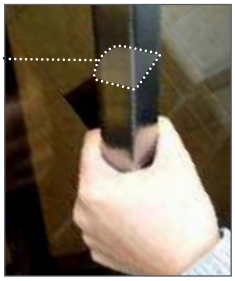
- Sharp Lines and Angles With a Smooth Round Gripping Surface
- Crisp Transitions at All Corners
- Available in Alloy 316 Brushed or Polished Stainless Steel



PATENT PENDING



Our Designer Series 'D' Shape Access Control Handles, featuring sharp lines and angles with a smooth rounded gripping surface, is manufactured for your 'all-glass' door needs.

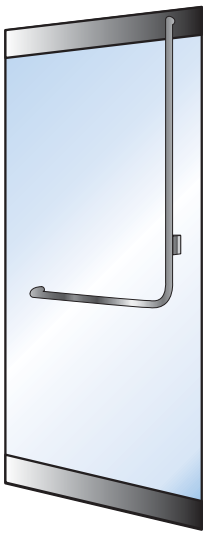


Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can also send e-mail to **architectural@crlaurence.com**.

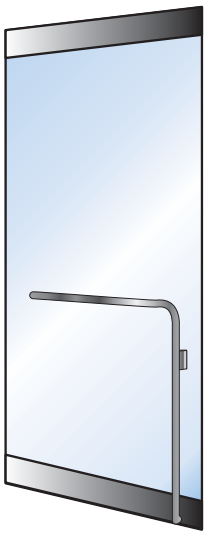
NOTE: All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.

Standard Interior Configurations for CRL-Blumcraft® Access Control Handles

BLUMCRAFT®
A DIVISION OF C.R. LAURENCE CO., INC.

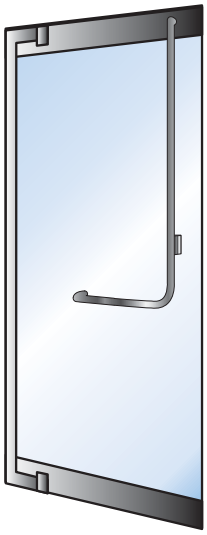


PA100, DB100, and EG100 Series



PA110, DB110, and EG110 Series

Available With or Without Keyed Access Device



BDA100 Series

Balanced Door Panic Handles

CRL US ALUMINUM MANUFACTURED IN THE USA

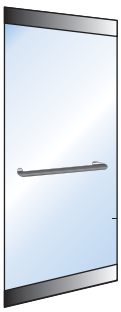
VISIT CRL-ARCH.COM FOR COMPLETE ARCHITECTURAL SPECIFICATIONS

USE MONOLITHIC TEMPERED GLASS

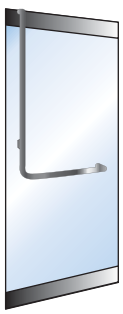


Exterior Handle Combinations for Doors with CRL-Blumcraft® Access Control Handles

NOTE: All Exterior Fixed Handles below can be used in combination with any Panic, Deadbolt or Electronic Egress Handle. Contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7700. You can also send e-mail to **architectural@crlaurence.com**.



Handle A



Handle D



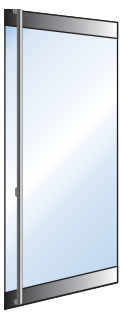
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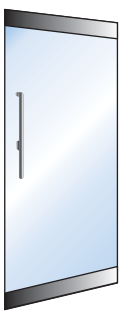
Handle C



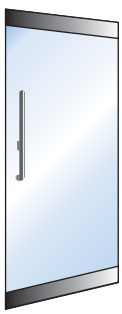
Handle E



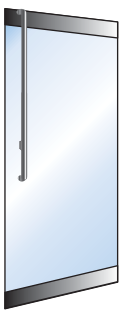
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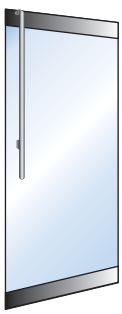
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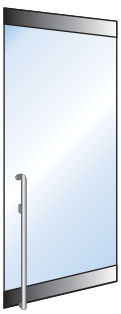
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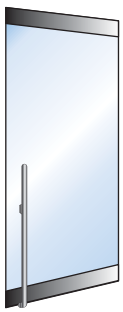
Handle J



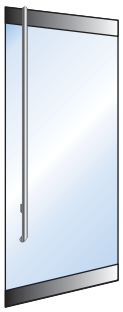
Handle J-S



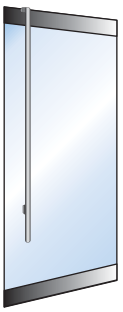
Handle K



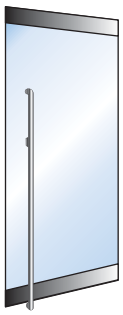
Handle K-S



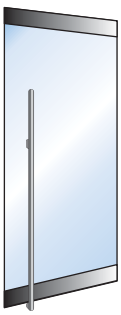
Handle L



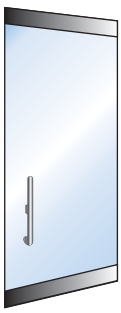
Handle L-S



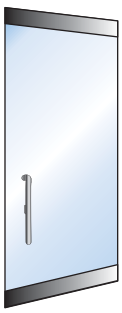
Handle M



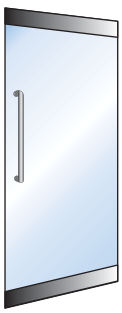
Handle M-S



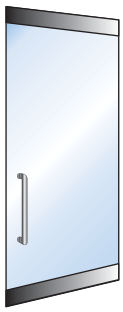
Handle N



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 Electric Strikes, Magnetic Locks, and Accessories

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

- Visit **crlaurence.com** for More Information



CRL Standard Single Surface Mounted Electromagnetic Lock

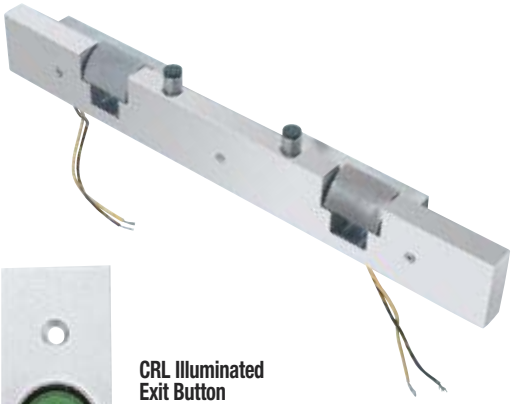






CRL Standard Double Surface Mounted Electromagnetic Lock

CRL Electric Strike Keeper for Double Doors





CRL Programmable Digital Keypad



CRL Electric Strike With Fail Secure Operation



CRL Illuminated Exit Button



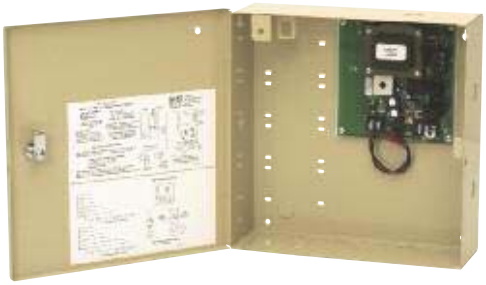
CRL Armored Door Loop



CRL Power Transformers



Adams Rite® 7100 Electric Strike



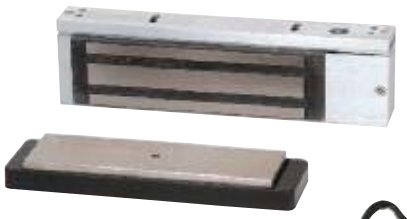
SDC® Low Voltage Regulated Power Supply



Adams Rite® 7160 Electric Strike

Adams Rite is a registered trademark of Adams Rite Manufacturing Co., an ASSA ABLOY Group Company.
SDC is a registered trademark of Security Door Controls.

CRL Electric Strikes, Magnetic Locks, and Accessories



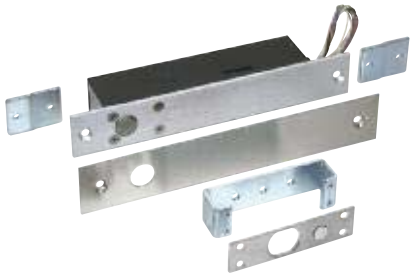
Schlage®
Surface Mounted Single
Electromagnetic Lock



Schlage®
Surface Mounted
Double Electromagnetic
Lock



SDC Hi/Shear®
Mortise Mount
Mag Lock



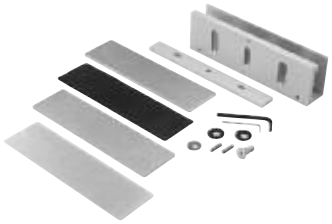
CRL Electric
Solenoid Bolt Lock



Schlage®
Electromagnetic
Mortise Mounted
Shear Lock



Schlage®
Electromagnetic
Bottom Mortised
Shear Lock



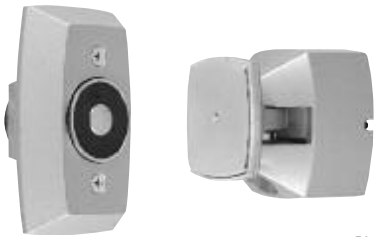
SDC®
Herculite Style
Door Bracket



Adams Rite®
74R1 Electric Strike



Folger Adam 310
Electric Strike



Rixson®
Electromagnetic
Door Holder



Securitron®
Exit Motion Sensor

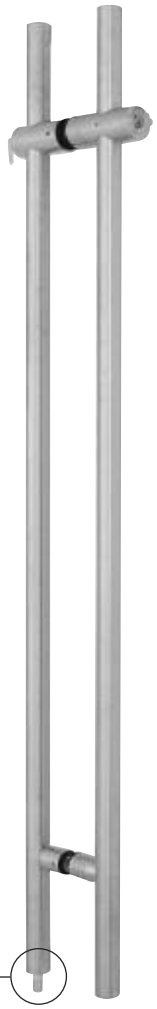
Please visit crlaurence.com/locks-electronic for additional information

Schlage is a registered trademark of Ingersoll-Rand pic, its subsidiaries and/or affiliates in the United States and other countries.
SDC and Hi/Shear are registered trademarks of Security Door Controls.
Adams Rite is a registered trademark of Adams Rite Manufacturing Co., an ASSA ABLOY Group Company.
Securitron is a registered trademark of ASSA ABLOY Group Company.
Rixson is a registered trademark of Yale Security, Inc., an ASSA ABLOY Group Company.

CRL LOCKING LADDER PULLS

CRL Locking Ladder Pulls NEW!

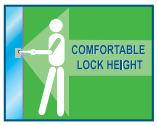








- Locks Operate at a Comfortable 42" (1067 mm) Height Above the Floor
- Made of Durable 1-1/4" (32 mm) Diameter 316 Alloy Stainless Steel Tubing
- Locks Into Floor Only, Custom Ceiling and Floor Locking Available on Special Order
- 1-1/4" (32 mm) Long Deadbolt Throw - All Units
- Will Accept Most Standard Manufactured Rim Type Cylinders
- A.D.A. Compliant Top Locking Models Available on Special Order
- Four Styles in Stock, Custom Sizes Available on Special Order
- For 1/2" to 3/4" (12 to 19 mm) Tempered Glass





The most practical option for 'all-glass' entrances is CRL's Locking Ladder Pulls. No more kneeling down to unlock the entry doors in the morning, or having to bend over after a long day at work to reach for the lock at the bottom edge of the door. Simply turn a key or thumbturn located at a comfortable height above the finished floor to lock or unlock your doors. CRL Locking Ladder Pulls have a fully concealed deadbolt locking mechanism that locks into the floor. These Locking Ladder Pulls are intended for use with glass doors made from 1/2" to 3/4" (12 to 19 mm) thick tempered glass. Locking Ladder Pulls are supplied with our standard 7-pin Rim Cylinder with interchangeable core, that can be used as the final cylinder or as a temporary, and is easily replaced. If staying with the 7-pin format, just remove the core, have it re-keyed or replace it with a new one. If proprietary 6-pin Cylinders are required, simply remove the entire Rim Cylinder provided and replace with the proper Rim Cylinder of your choice. Ladder Pulls will accept most standard manufactured Rim Cylinders.

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 us an e-mail to **architectural@crlaurence.com**.

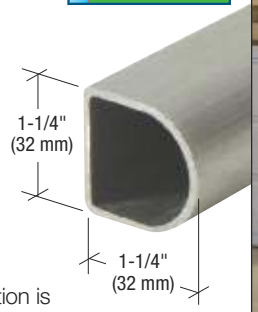
CRL Designer Series "D" Shape Locking Ladder Pulls

- Locks Operate at a Comfortable 42" (1067 mm) Height Above the Floor
- For 1/2" to 3/4" (12 to 19 mm) Tempered Glass
- 316 Alloy Stainless Steel Tubing
- Locks Into Floor Only - Custom Models Locking Into Top or Top/Bottom are Also Available Upon Request

NEW!









ONLINE INSTALLATION RESOURCES

CRL Designer Series "D" Shape Locking Ladder Pulls have a fully concealed deadbolt locking mechanism that locks into the floor. Simply turn a key or thumbturn located at a comfortable height above the finished floor to lock or unlock your doors. Supplied with our standard 7-pin Rim Cylinder with interchangeable core, that can be used as the final cylinder or as a temporary, and is easily replaced. If staying with the 7-pin format, just remove the core, have it re-keyed or replace it with a new one. If proprietary 6-pin Cylinders are required, simply remove the entire Rim Cylinder provided and replace with the proper Rim Cylinder of your choice. Ladder Pulls will accept most standard manufactured Rim Cylinders.

NOTE:
Glass fabrication is required. Please visit **crlaurence.com/ladder-pulls** for details.

BRUSHED STAINLESS CAT. NO.	POLISHED STAINLESS CAT. NO.	OVERALL LENGTH
DLLPA48BS	DLLPA48PS	48" (1219 mm)
DLLPA60BS	DLLPA60PS	60" (1524 mm)
DLLPA72BS	DLLPA72PS	72" (1829 mm)
DLLPA84BS	DLLPA84PS	84" (2134 mm)

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.



Easy to Operate Thumbturn



This Locking Ladder Pull Accepts 6 or 7-pin Rim Cylinders for Easy Re-keying.

CRL Straight Style Locking Ladder Pulls

- Locks Operate at a Comfortable 42" (1067 mm) Height Above the Floor
- For 1/2" to 3/4" (12 to 19 mm) Tempered Glass
- 316 Alloy Stainless Steel Tubing
- Locks Into Floor Only - Custom Models Locking Into Top or Top/Bottom are Also Available Upon Request

NEW!









ONLINE INSTALLATION RESOURCES

CRL Straight Style Locking Ladder Pulls have a fully concealed deadbolt locking mechanism that locks into the floor. Simply turn a key or thumbturn located at a comfortable height above the finished floor to lock or unlock your doors. Supplied with our standard 7-pin Rim Cylinder with interchangeable core, that can be used as the final cylinder or as a temporary, and is easily replaced. If staying with the 7-pin format, just remove the core, have it re-keyed or replace it with a new one. If proprietary 6-pin Cylinders are required, simply remove the entire Rim Cylinder provided and replace with the proper Rim Cylinder of your choice. Ladder Pulls will accept most standard manufactured Rim Cylinders.

NOTE:
Glass fabrication is required. Please visit **crlaurence.com/ladder-pulls** for details.

BRUSHED STAINLESS CAT. NO.	POLISHED STAINLESS CAT. NO.	OVERALL LENGTH
LLPA48BS	LLPA48PS	48" (1219 mm)
LLPA60BS	LLPA60PS	60" (1524 mm)
LLPA72BS	LLPA72PS	72" (1829 mm)
LLPA84BS	LLPA84PS	84" (2134 mm)

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.



Easy to Operate Thumbturn



This Locking Ladder Pull Accepts 6 or 7-pin Rim Cylinders for Easy Re-keying.

TOLL Phone: (800) 421-6144
FREE Fax: (800) 262-3299
From Anywhere in the U.S. or Canada

CRL US ALUMINUM

CRL Small Format Interchangeable Cores (SFIC)

- Works With CRL Locking Ladder Pulls, 4" x 10" and 6" x 10" Center Locks, CRL Panic and Deadbolt Devices, and Wedge-Lock® Door Rails,
- 7-Pin Type Core Available in 10 Different Key Configurations
- Brushed Nickel Finish
- Master Keying Available on Special Order



ORDERING INFORMATION:

- Each Core comes with one Control Key and two Operating Keys.
- Housings not included and must be ordered separately.
- Not compatible with larger 'removable' core systems.

CAT. NO.	KEY NUMBER
1C01	1
1C02	2
1C03	3
1C04	4
1C05	5

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

CAT. NO.	KEY NUMBER
1C06	6
1C07	7
1C08	8
1C09	9
1C10	10

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

CRL Dustproof Keeper

- For CRL Locking Ladder Pulls
- Accepts 5/8" (16 mm) Throw Bolt
- Alloy 316 Brushed Stainless Steel

Requires a hole 1" (25 mm) in diameter by 1-7/8" (48 mm) deep. Minimum order is one each.





CAT. NO. 58DKBS

CRL Mortise and Rim Cylinder Housings for Small Format Interchangeable Cores (SFIC)

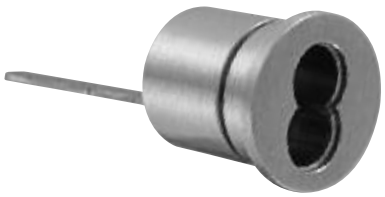
- Compatible With Any 7-Pin SFIC Type Core
- Available in Five Architectural Finishes

CRL Mortise Housings for 7-Pin Small Format Interchangeable Cores (SFIC) are used to replace any of our Mortise Keyed Cylinders with an 'interchangeable core' system. Easily convert any of our Door Rails with locks, 4" x 10" (102 x 254 mm) and 6" x 10" (152 x 254 mm) Center Locks, or Panic and Deadbolt Handles to an 'interchangeable' core system. Simply remove the existing mortise cylinder, choose the appropriate cam, and install the new Housing and Core. It's that easy!

CRL Rim Cylinder Housings for 7-Pin Small Format Interchangeable Cores (SFIC) come standard in our Locking Ladder Pulls featuring the interchangeable cylinder core option or can be used wherever these type cylinders are required. SFIC Cores must be ordered separately (see above).



Mortise Housing



Rim Cylinder Housing







MORTISE HOUSING CAT. NO.	RIM CYLINDER HOUSING CAT. NO.	FINISH
1CHBS	2CHBS	Brushed Stainless
1CHDU	2CHDU	Black Bronze Anodized
1CHPB	2CHPB	Polished Brass
1CHPS	2CHPS	Polished Stainless
1CHSA	2CHSA	Satin Anodized

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

ORDERING INFORMATION:

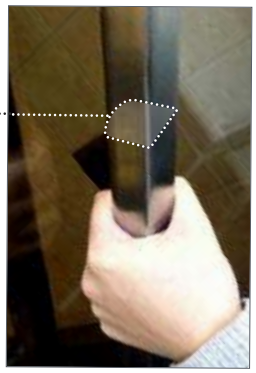
- Each Mortise Housing comes with a 1/2" (12 mm) tall cylinder ring and one DRA10CAM (installed), one DRACAM, and one cam for easy conversion when used with our 6" x 10" (152 x 254 mm) Center Locks.
- Not compatible with larger 'removable' core systems.
- When Mortise Housings are used with CRL Low Profile Wedge-Lock® Door Rails an additional DRA256 Series Cylinder Ring must be ordered separately.
- SFIC Cores must be ordered separately (see above).

CRL Designer Series "D" Shape Ladder Pulls

- Sharp Lines With a Smooth Round Gripping Surface
- Six Sizes in Two Stainless Finishes for 3/8" to 3/4" (10 to 19 mm) Tempered Glass or 1-3/4" (44 mm) Aluminum Doors
- Heavy Wall 304 Alloy Stainless Steel Tubing
- Custom Finishes and Sizes Available

NEW!

USE MONOLITHIC TEMPERED GLASS







CRL Designer Series Ladder Style Pull Handles are constructed with sharp lines and smooth surfaces. They are named after their subtle "D" Shaped design that is specifically contoured for a premium feel, and intended for full size glass doors made from 3/8" to 3/4" (10 to 19 mm) thick tempered glass. Fasteners are included for mounting on 1-3/4" (44 mm) thick aluminum or wood 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.

BRUSHED STAINLESS CAT. NO.	POLISHED STAINLESS CAT. NO.	OVERALL LENGTH	MOUNTING HOLES CENTER-TO-CENTER
D24LPBS	D24LPPS	24" (610 mm)	12" (305 mm)
D36LPBS	D36LPPS	36" (914 mm)	24" (610 mm)
D48LPBS	D48LPPS	48" (1219 mm)	36" (914 mm)
D60LPBS	D60LPPS	60" (1524 mm)	48" (1219 mm)
D72LPBS	D72LPPS	72" (1829 mm)	60" (1524 mm)
D84LPBS	D84LPPS	84" (2134 mm)	72" (1829 mm)

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

NOTE:
Glass fabrication is required. Please visit **crlaurence.com/ladder-pulls** for details.

CRL Glass Mounted Square Ladder Style Pull Handle With Round Mounting Posts

USE MONOLITHIC TEMPERED GLASS



SPECIFICATIONS:
For Use With: 3/8" to 3/4" (10 to 19 mm) Glass
Construction: 1" (25 mm) Square Stainless Steel Tubing
Glass Fabrication Required: Two 5/8" (16 mm) Diameter Holes

Extra bolts available, sold separately:

CAT. NO.	DESCRIPTION
TB2CH	Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass
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

INCLUDES:
2 Each: Through-Bolts for Glass Mounting
4 Each: 1-1/4" (32 mm) Diameter Matching Finish Metal Washers and Rubber Gaskets

CAT. NO.	OVERALL LENGTH	MOUNTING HOLES CENTER-TO-CENTER	FINISH
24SQRLPBS	24" (610 mm)	12" (305 mm)	Brushed Stainless
24SQRLPPS	24" (610 mm)	12" (305 mm)	Polished Stainless
36SQRLPBS	36" (914 mm)	24" (610 mm)	Brushed Stainless
36SQRLPPS	36" (914 mm)	24" (610 mm)	Polished Stainless
48SQRLPBS	48" (1219 mm)	36" (914 mm)	Brushed Stainless
48SQRLPPS	48" (1219 mm)	36" (914 mm)	Polished Stainless
60SQRLPBS	60" (1524 mm)	48" (1219 mm)	Brushed Stainless
60SQRLPPS	60" (1524 mm)	48" (1219 mm)	Polished Stainless

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

CRL Glass Mounted Square Ladder Style Pull Handle With Square Mounting Posts

USE MONOLITHIC TEMPERED GLASS



SPECIFICATIONS:
For Use With: 3/8" to 3/4" (10 to 19 mm) Glass
Construction: 1" (25 mm) Square Stainless Steel Tubing
Glass Fabrication Required: Two 5/8" (16 mm) Diameter Holes

INCLUDES:
2 Each: Through-Bolts for Glass Mounting

Extra bolts available, sold separately:

CAT. NO.	DESCRIPTION
TB2CH	Through-Bolts for 3/8" to 3/4" (10 to 19 mm) Glass
TB4CH	Through-Bolts for 1-3/4" (45 mm) Wood or Metal Door Frames

CAT. NO.	OVERALL LENGTH	MOUNTING HOLES CENTER-TO-CENTER	FINISH
24SQSLPBS	24" (610 mm)	12" (305 mm)	Brushed Stainless
24SQSLPPS	24" (610 mm)	12" (305 mm)	Polished Stainless
36SQSLPBS	36" (914 mm)	24" (610 mm)	Brushed Stainless
36SQSLPPS	36" (914 mm)	24" (610 mm)	Polished Stainless
48SQSLPBS	48" (1219 mm)	36" (914 mm)	Brushed Stainless
48SQSLPPS	48" (1219 mm)	36" (914 mm)	Polished Stainless
60SQSLPBS	60" (1524 mm)	48" (1219 mm)	Brushed Stainless
60SQSLPPS	60" (1524 mm)	48" (1219 mm)	Polished Stainless

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

CRL Straight Style Ladder Pulls

USE MONOLITHIC TEMPERED GLASS

- Eleven Sizes in Two Stainless Finishes for 3/8" to 3/4" (10 to 19 mm) Tempered 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





Straight Style

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 or wood 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 send an e-mail to **architectural@crlaurence.com**.

SPECIFICATIONS:

For Use With:
3/8" to 3/4" (10 to 19 mm) Tempered Glass,
or 1-3/4" (44 mm) Aluminum or Wood Doors
Construction:
1-1/4" (32 mm) Diameter Stainless Steel Tubing
Glass Fabrication Required:
Two 5/8" (16 mm) Diameter Holes

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

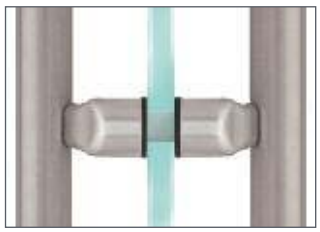
Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.
Additional holes required if extra Mid-Posts added (at right).

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



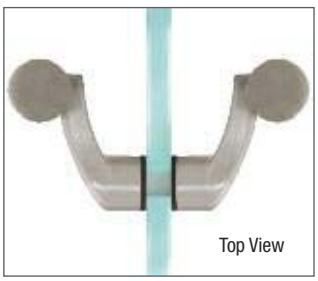
Offset Mid-Posts

Optional Offset Mid-Posts are available to convert Straight Style Ladder Pulls to Offset Mount. Two pair per set. Minimum order is one set.

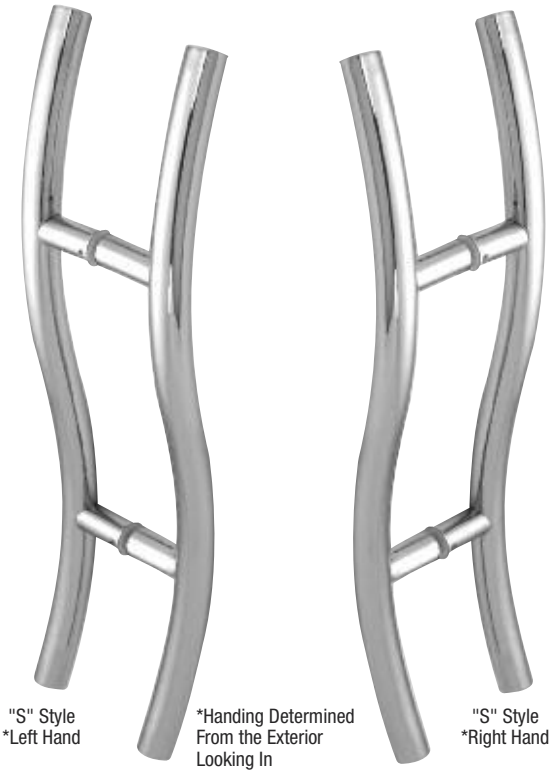


CAT. NO. LP0PS
Polished Stainless Offset Mid-Posts

CAT. NO. LP0BS
Brushed Stainless Offset Mid-Posts



CRL "S" Style Ladder Pulls



"S" Style
*Left Hand

*Handing Determined
From the Exterior
Looking In

"S" Style
*Right Hand



- Three Sizes in Two Popular Finishes for 3/8" to 3/4" (10 to 19 mm) Tempered Glass
- Left and Right Hand Models Available in 1-1/4" (32 mm) Diameter Heavy Wall 304 Alloy Stainless Steel Tubing
- Custom Finishes and Sizes Available



CRL "S" Style Ladder Pulls are for back-to-back mounting with supplied through-bolts. They are intended for use on doors made from 3/8" to 3/4" (10 to 19 mm) thick tempered glass. Stock sizes range from 24" to 48" (610 to 1219 mm) overall height. Standard finishes are polished stainless and brushed stainless. The Pulls are handed left and right to ensure the exposed set-screws are always on the interior side of the door. Handing is determined from the exterior side looking in.

Custom sizes and finishes are available to meet architectural specifications. For additional information go to **crlaurence.com/ladder-pulls** or 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 an e-mail to **architectural@crlaurence.com**.

ONLINE ARCHITECTURAL RESOURCES

SPECIFICATIONS:

For Use With:
3/8" to 3/4" (10 to 19 mm) Tempered Glass

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

Glass Fabrication Required:
Two 5/8" (16 mm) Diameter Holes

CAT. NO.	HANDING*	OVERALL LENGTH	MOUNTING HOLES CENTER-TO-CENTER	FINISH
24SLPBS	Left Hand	24" (610 mm)	12" (305 mm)	Brushed Stainless
24SLPPS	Left Hand	24" (610 mm)	12" (305 mm)	Polished Stainless
24SRPBS	Right Hand	24" (610 mm)	12" (305 mm)	Brushed Stainless
24SRPPS	Right Hand	24" (610 mm)	12" (305 mm)	Polished Stainless
36SLPBS	Left Hand	36" (914 mm)	24" (610 mm)	Brushed Stainless
36SLPPS	Left Hand	36" (914 mm)	24" (610 mm)	Polished Stainless
36SRPBS	Right Hand	36" (914 mm)	24" (610 mm)	Brushed Stainless
36SRPPS	Right Hand	36" (914 mm)	24" (610 mm)	Polished Stainless
48SLPBS	Left Hand	48" (1219 mm)	36" (914 mm)	Brushed Stainless
48SLPPS	Left Hand	48" (1219 mm)	36" (914 mm)	Polished Stainless
48SRPBS	Right Hand	48" (1219 mm)	36" (914 mm)	Brushed Stainless
48SRPPS	Right Hand	48" (1219 mm)	36" (914 mm)	Polished Stainless

Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing. "S" Style Pull Handles exceeding 48" (1219 mm) overall length must be discussed with CRL Technical Sales to determine proper application.

CRL 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



Bending



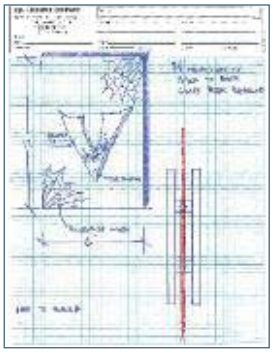
Welding



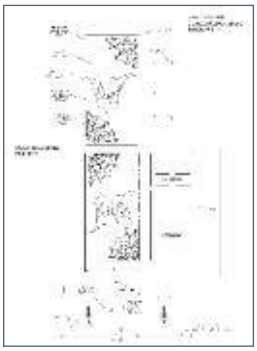
Let CRL make your idea a reality! Send us your specifications and our Technical Sales Staff will help design your custom handles with you. Then our Engineering Staff will supply you with a 3D rendered drawing of your design to ensure we make exactly what you want.

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 at **architectural@crlaurence.com**.

Imagination



Design



Reality



CRL Glass Safety Decals

- Easy to Apply Decals Reduce the Risk of Injury Due to Accidental Collision With Storefront Panels and Doors
- Decals Have "Floating" Appearance

With today's architecture incorporating more glass than ever, it's important to reduce the risk of people being injured by accidental collision with glass panels and doors. CRL Glass Safety Decals installed near eye level give a "floating" appearance that serves to warn pedestrians of the presence of large glass panels and sliding doors.

All Glass Safety Decals are a white color, and use a special dual-sided adhesive transfer material which when peeled off leaves only the decal, with no unsightly residue to spoil the 'all-glass' appearance.

Minimum order is five each. Our Cat. No.105 Plastic Scraper will give you firm, even pressure as you apply Safety Decals to clean glass.





"Trend"
3/4" x 6-7/8" (19 x 175 mm)
CAT. NO. 010323



"Boral"
1-3/16" x 22-1/4" (30 x 566 mm)
CAT. NO. 010325



"Bradnams"
1" x 17-3/4" (25 x 451 mm)
CAT. NO. 010326



"Dowell"
1-1/2" x 23-1/4" (38 x 590 mm)
CAT. NO. 010327



1-7/8" x 21" (48 x 533 mm)
CAT. NO. 010328



"Pilkington"
1-3/4" x 22" (44 x 559 mm)
CAT. NO. 010330



"Stegbar"
1-3/8" x 22-1/2" (35 x 572 mm)
CAT. NO. 010331



"Floating Rectangles"
1" x 23-1/4" (25 x 590 mm)
CAT. NO. 010332

CRL Round Glass Presence Indicator Set

- For Use on Storefront Panels and Doors
- Easily Installed With Supplied Tape
- Helps to Prevent Accidents

CRL Round Glass Presence Indicators are 2" (51 mm) in diameter. They are applied to glass panels back-to-back at eye level to warn people of the presence of large glass panels. Easily installed using high bond tape applied to the rear of each Indicator. Each set contains two round discs.





- Five Architectural Finishes

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 Round Push or Pull Indicators

- Etched Brass or Stainless Steel
- 2" (51 mm) Diameter
- Applied With Pre-Installed High Bond Tape

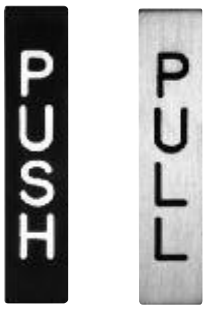


PULL CAT. NO.	PUSH CAT. NO.	PUSH-PULL SET CAT. NO.	FINISH
2EP0RBPL	2EP0RBPU	RPP2DU	Dark Bronze
2EPBSPL	2EPBSPU	RPP2BS	Brushed Stainless Steel
2EPPSPL	2EPPSPU	RPP2PS	Polished Stainless Steel
2EPPBPL	2EPPBPU	RPP2PB	Polished Brass
2EPSBPL	2EPSBPU	RPP2SB	Satin Brass

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

CRL Etched Aluminum Push-Pull Signs

- Letters Etched in Aluminum Plates With Tape Backing for Easy Mounting
- Choose Black on Aluminum or White on Bronze



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
1445G	Push	Black on Aluminum
1445GW	Push	White on Bronze
1446G	Pull	Black on Aluminum
1446GW	Pull	White on Bronze

Minimum order: 1 each. All Push-Pull Signs can be combined for quantity pricing.

CRL Round Slide Indicators

NEW!

- One Left and One Right Per Pack
- Brushed Stainless Steel Finish
- Applied With Pre-Installed High Bond Tape
- 2" (51 mm) Diameter

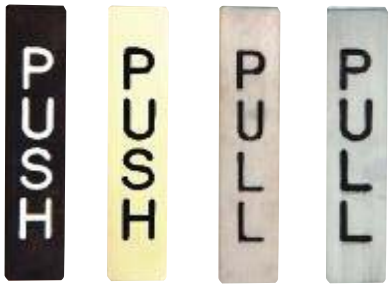


These CRL Round Slide Indicators are made of high quality stainless steel, and applied using a high bond tape that is pre-installed on the back of the Indicator. There is one LEFT and one RIGHT Indicator per package. The etched letters are 5/8" (16 mm) high so they can be easily read. Sold only in packs of two. Minimum order is one pack.

CAT. NO. 3EPSSL

CRL Push-Pull Indicator Plates

- Brass or Stainless Steel Plates
- Tape Backing for Easy Mounting



These Push-Pull Indicators have 5/8" (16 mm) high etched letters. Indicators measure 4-1/2" (114 mm) high x 1" (25 mm) wide.

PULL CAT. NO.	PUSH CAT. NO.	FINISH
4EP0RBPU	4EP0RBPL	Oil Rubbed Bronze
4EPBSPU	4EPBSPL	Brushed Stainless Steel
4EPPSPU	4EPPSPL	Polished Stainless Steel
4EPPBPU	4EPPBPL	Polished Brass
4EPSBPU	4EPSBPL	Satin Brass

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

CRL 'Door to Remain Unlocked' Decals for Business Doors

- Two Varieties Available for Single or Double Doors
- Adhesive Backed for Fast Installation



Cat. Nos. 148B0, 149B0, and DL2177HS "During Business Hours"



Cat. Nos. 146B0 and 147B0 "Whenever the Building is Occupied"

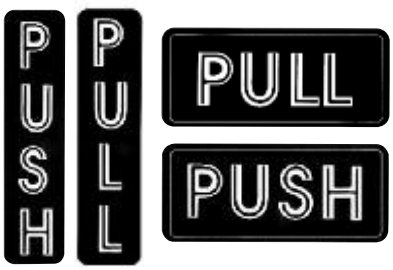
CAT. NO.	DESCRIPTION	LENGTH	QTY/PACK
DL2177HS	Single Door Decal	26" (660 mm)	10*
148B0	Single Door Decal	24" (610 mm)	1
149B0	Double Door Decal	25" (635 mm)	1
146B0	Single Door Decal	25" (635 mm)	1
147B0	Double Door Decal	26" (660 mm)	1

Minimum order: 1 each, except *10 each for Cat. No. DL2177HS.

CRL Push-Pull Indicator Decals

- Die-Cut Decals With Adhesive Backing

Aluminum colored letters on black background. Vertical Dimensions: 5-3/4" (146 mm) high x 1-3/8" (35 mm) wide. Horizontal Dimensions: 1-7/8" (48 mm) high x 4-1/4" (108 mm) wide.



Vertical Style

Horizontal Style

CAT. NO.	TYPE	COLOR	STYLE
566VA	Push	Aluminum/Black	Vertical
566HA	Push	Aluminum/Black	Horizontal
567VA	Pull	Aluminum/Black	Vertical
567HA	Pull	Aluminum/Black	Horizontal

Minimum order: 25 each. 25 per package. All Decals can be combined for quantity pricing.

CRL Convex Mirrors

- Glass or Plexiglas Types Available
- Ideal to Monitor Production Lines
- Eliminate Blind Intersections
- Improve Safety
- Discourage Shoplifting
- Reduce Accidents






Whatever the business, accidents and theft pose expensive problems. Installing CRL Convex Mirrors can vastly reduce trouble spots. Placed in strategic locations, these Convex Mirrors provide a clear, panoramic view of potential problem areas. CRL Convex Mirrors find many uses in commercial, institutional, and industrial applications. Will hang almost anywhere. Used for parking lots, corners, and many general applications. Mounting hardware includes one Adjustable Mounting Arm and Bracket, which is fully adjustable to the desired angle and length. Mounting screws are not included. Comes with installation instructions. For our complete offering of Convex and Dome Mirrors, please visit **crlaurence.com/convex-mirrors**. **NOTE**: 1" (25 mm) of mirror equals 12" (305 mm) of sight distance.

CRL Heavy-Duty Plexiglas Convex Mirrors

- For Indoor or Outdoor Use
- Edge Trim Protects Mirror
- 160 Degree Wide Angle Viewing
- Durable and Sealed for Weatherproofing
- Six Sizes to Choose From

CAT. NO.	DIAMETER
PLXR13	13" (330 mm)
PLXR18	18" (457 mm)
PLXR26	26" (660 mm)
PLXR30	30" (762 mm)
PLXR36*	36" (914 mm)
PLXR48#	48" (1219 mm)

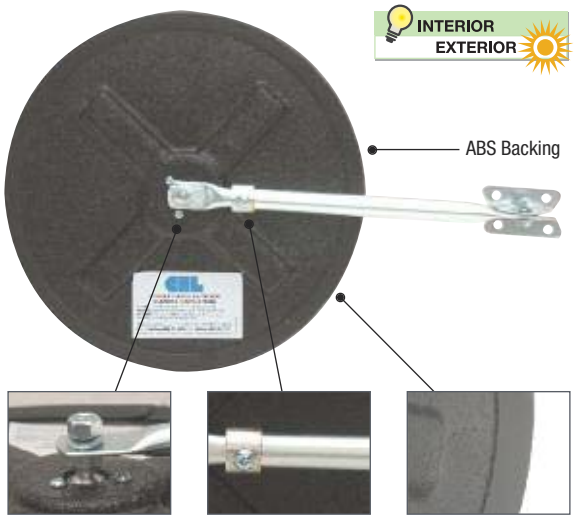
Minimum order: 1 each. CRL Convex Mirrors can be combined for quantity pricing. Not for use in high wind areas. * Ships UPS oversize rate. # Must ship common carrier.



High Quality, Low Distortion mirror to Enhance Security



NOTE: Heavy-Duty Mounting Hardware for mirrors 26" and larger is supplied.



CRL Heavy-Duty Glass Convex Mirrors

- For Indoor Use Only
- 160 Degree Wide Angle Viewing
- Use to Deter Theft and Improve Safety
- Five Sizes to Choose From

CAT. NO.	DIAMETER
CVM8013	13" (330 mm)
CVM8018	18" (457 mm)
CVM8026	26" (660 mm)
CVM8030	30" (762 mm)
CVM8036*	36" (914 mm)

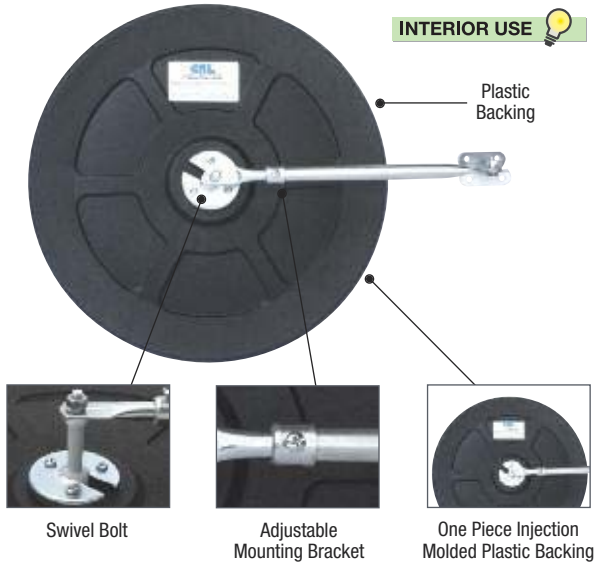
Minimum order: 1 each. CRL Convex Mirrors can be combined for quantity pricing. *Ships UPS oversize rate.



High Quality, Low Distortion Mirror to Enhance Security



NOTE: Heavy-Duty Mounting Hardware for mirrors 26" and larger is supplied.



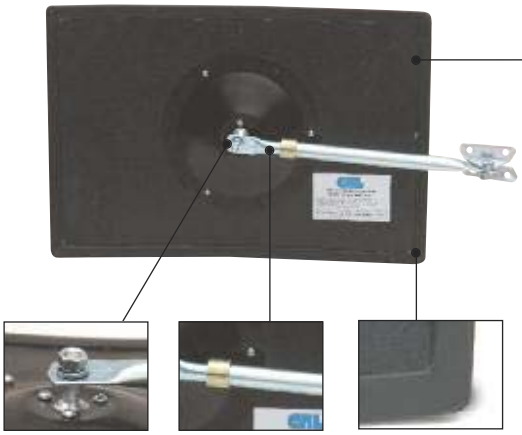
CRL SECURITY MIRRORS

CRL Heavy-Duty Rectangular Glass Convex Mirrors

- Excellent for Areas With Low Ceilings

INTERIOR USE





Swivel Bolt

Adjustable Mounting Bracket

Sealed Edge Trim to Protect Mirror

CAT. NO.	DIMENSIONS (H X W)
RM3312X18	12" x 18" (305 x 457 mm)
RM3315X24	15" x 24" (381 x 610 mm)
RM3320X30	20" x 30" (508 x 762 mm)

Minimum order: 1 each. CRL Convex Mirrors can be combined for quantity pricing.

CRL Rectangular Acrylic Convex Mirrors

- Assists Surveillance in Retail Stores
- Meets OSHA Requirements

INTERIOR USE





NOTE: These mirrors do not come with a trim ring or edge band.


Swivel Bolt


Adjustable Mounting Bracket

CAT. NO.	DIMENSIONS (H X W)
TPLX1626	16" x 26" (406 x 660 mm)
TPLX2030	20" x 30" (508 x 762 mm)

Minimum order: 1 each. CRL Convex Mirrors can be combined for quantity pricing.

CRL Inspection Mirrors

- Excellent for Under Auto Inspection, and Other Hard to See Areas
- Choice of Convex or Flat Mirror



Used to look under vehicles, equipment, and hard to reach areas. Convex Inspection Mirrors provide a wide-angle view to scan large areas quickly. Flat Inspection Mirror provides a more precise view and accurate depth perception. Both come with built-in light and are equipped with wheels, an adjustable swivel and an adjustable handle, with a 52" (1.3 m) maximum extension.



CAT. NO.	DESCRIPTION
1MC12L	12" (305 mm) Convex Mirror
1MF12L	12" (305 mm) Flat Mirror

Minimum order: 1 each. CRL Convex Mirrors can be combined for quantity pricing.

CRL Stick-On Convex Mirror

- Easy Peel and Stick Installation
- Eliminate Blind Spots - Ideal for Truck, RV, and Bus Sideview Mirrors
- 3-3/4" (95 mm) Diameter





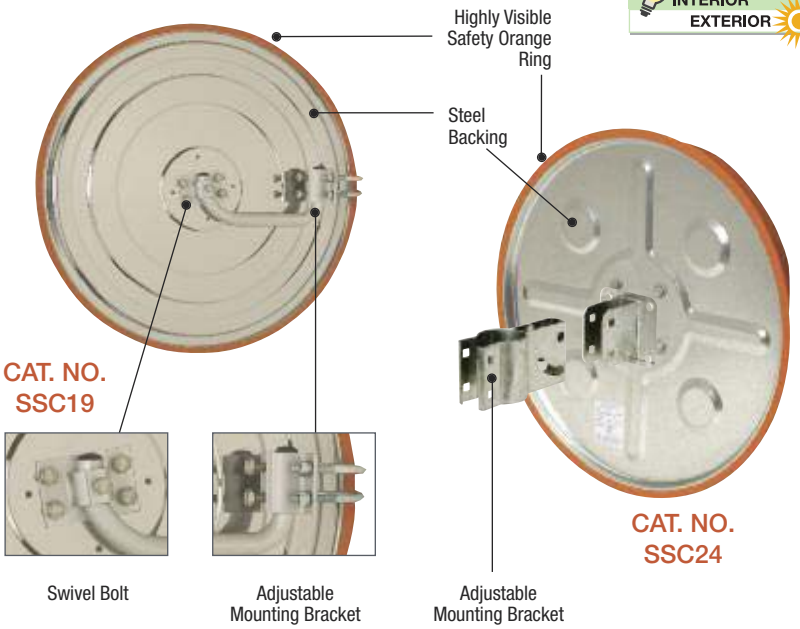
CAT. NO. FS375
Minimum order is 1 each.

CRL Stainless Steel Convex Mirrors

INTERIOR EXTERIOR

- Provide a "Mirror Finished" Look
- Withstand Extreme Outdoor Weather Conditions
- Ideal Solution for Areas With High Risk of Vandalism
- Virtually Unbreakable
- Two Sizes to Choose From





CAT. NO.	DIAMETER
SSC19	19-5/16" (490 mm)
SSC24	23-5/8" (600 mm)

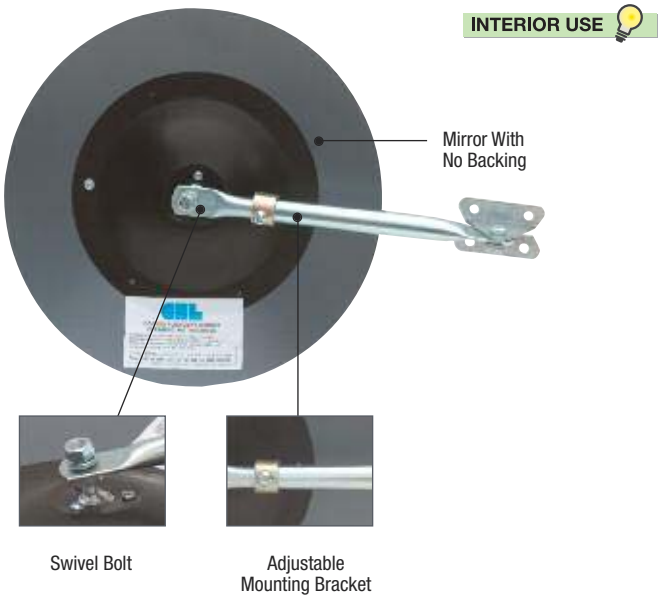
Minimum order: 1 each. CRL Convex Mirrors can be combined for quantity pricing.

CRL Acrylic Convex Mirrors

INTERIOR USE

- Improve Sightlines at Blind Intersections
- Meets OSHA Guidelines
- Assists Surveillance In Retail Stores
- Five Sizes to Choose From





CAT. NO.	DIAMETER
TPLX13	13" (330 mm)
TPLX18	18" (457 mm)
TPLX26	26" (660 mm)
TPLX30	30" (762 mm)
TPLX36	36" (914 mm)

Minimum order: 1 each. CRL Convex Mirrors can be combined for quantity pricing.

CRL 4-Way Mounting Bracket

- Designed to Hold Multiple CRL Convex Mirrors

The CRL 4-Way Mounting Bracket is fully adjustable to accommodate and adequately support 13", 18" or 26" (330, 457 or 660 mm) Convex Mirrors. The Bracket will hold only two each 30" or 36" (762 or 914 mm) diameter mirrors, and only if they are mounted on opposite arms, not at 90 degrees to each other. Can be mounted in hallways or heavy traffic areas where there is limited visibility. Bracket can be extended to a maximum of 20" (508 mm). This Mounting Bracket will also accommodate rounded rectangular mirrors. Minimum order is one each.



CAT. 4WMB

CRL Acrylic Dome Mirrors

360 Degree Vision Dome Mirrors

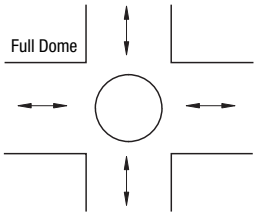
INTERIOR USE



- Prevent Accidents at Blind Corners at Intersections in Hallways or Aisles in Warehouses, Retail Stores, Offices, Schools, and Hospitals
- Provide Surveillance of Premises, Merchandise, Assembly Lines, Production Machines, and Staff
- Five Sizes to Choose From

CAT. NO.	DIAMETER
DMX18	18" (457 mm)
DMX26	26" (660 mm)
DMX32#	32" (813 mm)
DMX36#	36" (914 mm)
DMX22X24Δ	22" (559 mm)

Minimum order: 1 each. CRL Dome Mirrors can be combined for quantity pricing.
Must ship common carrier. Δ Dome fused to a 24" x 24" mirror panel for installation into suspended ceiling grids.



180 Degree Half Dome Mirrors

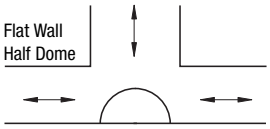


- For "T" Intersections
- Made of Acrylic
- Two Sizes to Choose From

INTERIOR USE

CAT. NO.	DIAMETER
DMH18	18" (457 mm)
DMH26	26" (660 mm)

Minimum order: 1 each. CRL Dome Mirrors can be combined for quantity pricing.



90 Degree Quarter Dome Mirrors

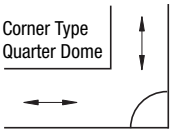


- For "L" Intersections
- Made of Acrylic
- Two Sizes to Choose From

INTERIOR USE

CAT. NO.	DIAMETER
DMQ18	18" (457 mm)
DMQ26	26" (660 mm)

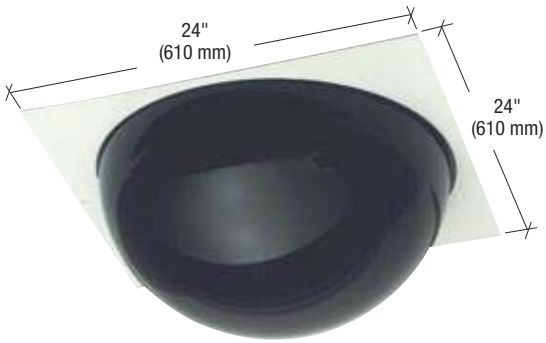
Minimum order: 1 each. CRL Dome Mirrors can be combined for quantity pricing.



CRL 360 Degree See-Thru Security Dome

INTERIOR USE

- Full Dome Bronze Security Mirror Conceals Ceiling Mounted Camera
- Mounted in a White Panel
- Installs in 24" (610 mm) Drop Ceiling Grid
- A Proven Deterrent to Shoplifters



CAT. NO.	DOME DIAMETER	PANEL SIZE
DMX2X2BR	22" (559 mm)	24" x 24" (610 x 610 mm)

Minimum order: 1 each. CRL Dome Mirrors can be combined for quantity pricing.









ALSO FROM C.R. LAURENCE

6 PAGES
T609 - T675

- Aluminum Railing System
- Architectural Hardware NEW!
- Architectural Metals NEW!
- Commercial Door Hardware
- Curtain Wall Systems NEW!
- Door and Sidelite Rails
- Entrance Doors NEW!
- Frameless Shower Hardware NEW!
- Glass Railing Systems
- Glass Windscreens
- Office Partition Systems NEW!
- Online Design and Glass Sizing Programs
- Partition Posts and Sneeze Guards
- Retractable Screens NEW!
- Sliding Door Systems NEW!
- Stacking Door Systems NEW!
- Standoffs
- Storefront Systems NEW!
- TAPER-LOC® Railing System
- Window Walls NEW!



CRL US ALUMINUM
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CRL-U.S. Aluminum Series 250, 400, and 550 Entrance Doors

- Narrow, Medium, and Wide Stile Doors for Exterior and Interior Applications
- Available Through All U.S. Aluminum and C.R. Laurence Service Centers
- Standard or A.D.A. Access Bottom Rails Available
- Models for 1/4" (6 mm) Tempered Glass or 1" (25 mm) Insulating Glass (Not Included)

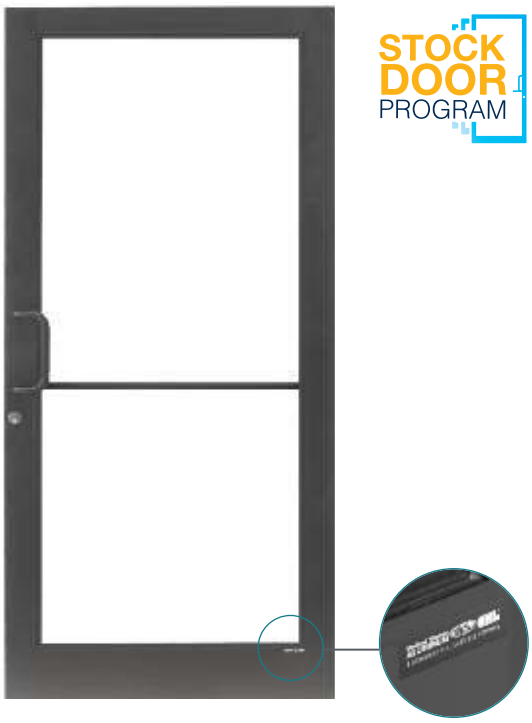
CRL-U.S. Aluminum offers a varied selection of framed doors to suit just about any commercial and institutional project. Special requirements, such as thermal barriers, impact resistance or blast resistance are never a problem we can't solve for your particular needs. And when it comes to finishes and designs, we're the ones architects and designers turn to.

For additional information contact the U.S. Aluminum Technical Sales Staff at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can also e-mail us at **usalum@crlaurence.com**.



or





STOCK DOOR PROGRAM

Better Performance

- **CORNER-LOC®**: Patented corner construction technology features precision alignment tabs, a robust mechanical fastening system, and robotically applied welds, yielding the most durable door assembly on the market.
- **Warranty**: Lifetime on door corner construction.
- **High Performance Subsill**: Storefront systems are equipped with an exclusive high performance subsill featuring an extended back leg that provides superior water management.
- **Adjustable Astragal**: All pairs of doors come with spring-loaded fully adjustable dual weather-resisting astragals for optimum air resistance.

Faster Delivery

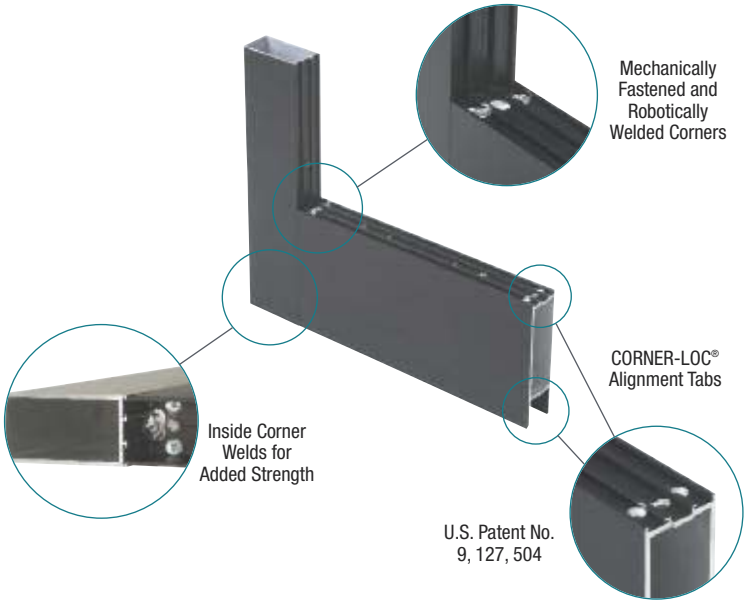
- **Stock Door Program**: Standard size doors and frames are in stock, ready to pick up or ship.
- CRL-U.S. Aluminum Systems are available for Will Call or shipment from over 30 Service Centers across a strategic North American distribution network.

Easier Installation

- **Pre-punched Weep Holes**: Subsill weep holes are pre-punched, eliminating this time-consuming step in the field.
- **Pre-lubricated Top Load Vinyl Gasket**: Storefronts utilize a pre-lubricated EPDM glazing gasket that significantly reduces installation time compared to dry gaskets supplied by other manufacturers.
- **Adjustable Leveling Screw**: Top rail of every door has an adjustable leveling screw to compensate for minor variances in door openings after installation.
- **Setting Blocks**: Eliminates any confusion regarding proper placement of setting blocks.

The Only Seal of Approval that Matters

The tag found on our commercial entrance doors is our seal of approval. It means that the door you are looking at has been designed, engineered, and tested in ISO 9001:2008 certified manufacturing facilities to meet the strictest quality standards in the industry; **our own**.



Complete Project Solutions

- Glaziers can obtain architectural aluminum systems, standard and custom door hardware, installation tools and supplies, and complementary systems (Railings, Metals, Commercial Hardware, Interior Partitions, Transaction and Hospitality Hardware) through one source from a trusted single manufacturer.

CRL-U.S. Aluminum Series 250, 400, and 550 Entrance Doors

- Available Through All U.S. Aluminum and C.R. Laurence Service Centers
- Standard or A.D.A. Access Bottom Rail Available
- For 1/4" (6 mm) Tempered Glass or 1" (25 mm) Insulating Glass (Not Included)
- Many of Our Service Centers Now Offer Stock Doors Pre-Glazed
- Lifetime Warranty on Patented CORNER-LOC® Corner Construction

BEST SELLERS IN STOCK READY TO GO!



Series 250 - Narrow Stile
(Butt Hinged Door Shown)



Series 400 - Medium Stile
(Center Pivot Door Shown)



Series 550 - Wide Stile
(Offset Pivot Door Shown)

As an industry leader in the manufacturing of entrance doors and frames, U.S. Aluminum consistently builds products to meet the highest industry standards, ensuring years of reliable service. Job-tested, mechanically fastened and welded corner with patented CORNER-LOC® technology creates a rugged structural corner assembly. All doors offer clean lines and are supplied with push/pull hardware and maximum security locks. These entrances can easily accommodate a wide variety of custom hardware for specific job requirements.

These doors are among our most popular models, and we are making them available with a minimum lead time by stocking them in standard sizes. Standard features include glass stops and an adjustable leveling screw in the top rail.

We also make custom doors to meet your exact requirements. Optional accessories such as door closers, panic exit devices, continuous geared hinges, and special locking hardware is available.

STANDARD FEATURES:

Glass Stops - Pressure type glass stops (square or beveled) with E.P.D.M. glazing gaskets permit time saving installation of 1/4" (6 mm) glass. Doors with glass stops for 1" (25 mm) glazing also available from standard stock. Setting blocks for glass are preset at the factory.

Adjustable Leveling Screw - A simple adjustment on the leveling screw, concealed in the top rail of the door, compensates for minor variances in door openings after installation.

Adjustable Astragal - All pairs of doors come with spring-loaded fully adjustable dual weatherstripped astragals for optimum air resistance. Binding or gaps at the meeting stiles can be easily corrected by simple adjustments. The full length dual weather stripping on the astragal is not interrupted by the deadlock.



or



ACCESSORIES:

Hinging Hardware
- Offset Pivots for Single Acting Doors
- Butt Hinges for Single Acting Doors
- Continuous Geared Hinges for Single Acting Doors
- Concealed Center Pivots for Use With Double Acting Doors

Closers
- Surface Mounted Overhead
- Concealed Overhead
- Floor Mounted

Panic Exit Devices
- Conventional Cross Bar
- Mid-Panel Panic

Vanguard Security Astragal - Visit crlaurence.com/entrances

***Maximum Recommended Door Sizes:**
- 48" (1219 mm) X 96" (2438 mm)
- * Requires special hardware. Please consult with Technical Sales.

SERIES	STILES**	TOP RAIL**	BOTTOM RAIL**	APPLICATIONS
250 NARROW STILE	2-1/32" (52 mm)	2-1/8" (54 mm)	3-3/16" or 7-1/2" (81 or 191 mm)	Light to Moderate Traffic
400 MEDIUM STILE	3-1/2" (89 mm)	3-3/16" (81 mm)	6-1/2" or 7-1/2" (165 or 191 mm)	Moderate to Heavy Traffic
550 WIDE STILE	5" (127 mm)	5-1/2" (140 mm)	6-1/2" or 7-1/2" (165 or 191 mm)	Heavy Traffic
A.D.A. Bottom Rail Option			9-1/2" (241 mm)	

CRL-U.S. Aluminum Series 800 and 850 Durafront Center Pivot and Offset Pivot Entrance Doors

- Aluminum Doors for Extremely Heavy Traffic Applications
- 3/16" (5 mm) Wall Thickness
- Accommodates 1/4" (6 mm) Tempered or 1" (25 mm) Insulating Glass (Not Included)
- Choice of Standard or A.D.A. Access Bottom Rails
- Lifetime Warranty on Patented CORNER-LOC® Corner Construction
- Clear Anodized and Bronze Anodized in Single or Pairs of Doors



or



Durafront Doors and Frames are fabricated from tubular aluminum extrusions with a wall thickness of 3/16" (5 mm). These extra strong, long-lasting entrance packages are ideal for locations subjected to extremely high traffic flow.

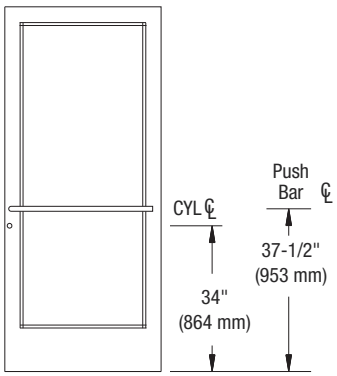
Durafront Entrance Packages, which are offered for center and offset pivot doors, can be easily adapted to most U.S. Aluminum Framing Systems. The door features mechanically fastened and welded corner construction. Offset pivot doors are supplied with a pair and a half of heavy-duty hinges, pivot sets or a continuous geared hinge. A variety of custom hardware is available upon request. For additional information contact our Technical Sales Staff at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can email us at **usalum@crlaurence.com**.



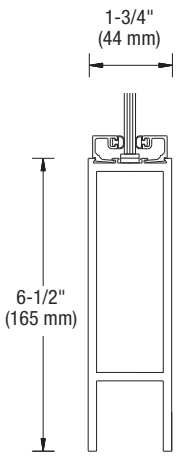
Series 800 Durafront
Medium Stile
Center Pivot Door



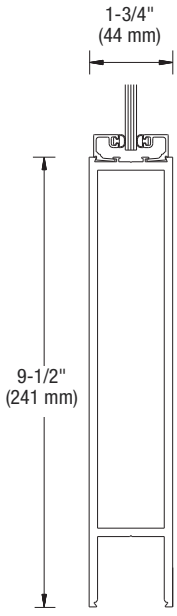
Series 850 Durafront
Wide Stile
Offset Pivot Door



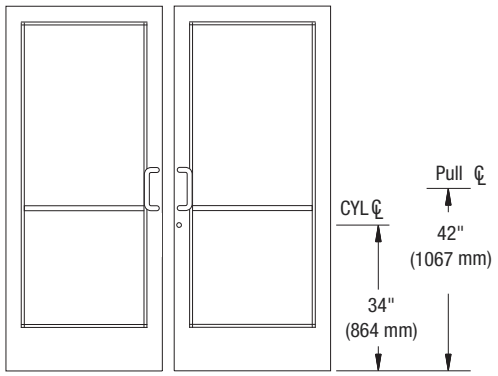
CENTER PIVOT DOOR



Standard Bottom Rail



Special Bottom Rail to Comply With A.D.A.



OFFSET PIVOT DOORS

SERIES	STILES**	TOP RAIL**	BOTTOM RAIL**	APPLICATIONS
800 MEDIUM STILE	3-1/2" (89 mm)	3-11/32" (85 mm)	6-1/2" (165 mm)	Extremely Heavy Traffic (Institutional Buildings, Schools, Sports Arenas)
850 WIDE STILE	5" (127 mm)	5-1/2" (140 mm)	6-1/2" (165 mm)	
A.D.A. Bottom Rail Option			9-1/2" (241 mm)	

** Size does not include 1/2" (13 mm) Glass Stop.

CRL-U.S. Aluminum Series 375-T ArcticFront™ High-Performance Thermal Entrance Doors

NEW!



- NFRC-Rated
- Tested in Accordance with AAMA 507
- U-Factors as Low as 0.38 Using Low-E Insulating Glass
- Door and Frame are Thermally Broken Utilizing 20 mm Struts
- 3-3/4" (95 mm) Medium Thermally Broken Stiles for Butt Hinges, or 3-9/16" (90 mm) for Continuous Geared Hinge
- 2-5/8" (67 mm) Depth
- Includes Glass Stops for 1" (25 mm) Glazing
- Choice of Either 6" (152 mm) Standard or 10" (254 mm) A.D.A. Bottom Rails

ARCTICFRONT™ HIGH PERFORMANCE THERMAL

CRL US ALUMINUM MANUFACTURED IN THE USA



ONLINE ARCHITECTURAL RESOURCES

Series 375-T ArcticFront™ High Performance Thermal Doors offer exceptional thermal protection and are designed to meet or exceed evolving energy codes. The NFRC-rated doors are thermally broken utilizing 20 mm struts and can provide U-factors as low as 0.38 with low-E glass. Series 375-T ArcticFront™ Thermal Doors come equipped with medium stiles that are 2-5/8" (67 mm) thick and 3-3/4" (95 mm) wide, and offer door sizes up to 4' x 8' (1219 x 2438 mm). When used in conjunction with the Series 45X ArcticFront™ Thermal Storefront, the doors provide a complete thermal barrier with excellent protection against heat transfer. Series 375-T Thermal Doors are compatible with all CRL-U.S. Aluminum thermal storefronts, window walls, and curtain walls.

For additional information contact our Technical Sales Staff at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can email us at **usalum@crlaurence.com**.



SERIES	STILES**	TOP RAIL**	BOTTOM RAIL**	APPLICATIONS
375-T	3-3/4" (95 mm) for Butt Hinges 3-9/16" (90 mm) for Continuous Hinge	3-1/8" (79 mm)	6" (152 mm)	Moderate to Heavy Traffic in Regions Requiring Superior Thermal Performance
A.D.A. Bottom Rail Option			10" (254 mm)	

** Size does not include 3/4" (19 mm) Glass Stop.

CRL-U.S. Aluminum Series 650-T, 700-T, and 750-T High Performance Thermal Entrance Doors

- Superior Thermal Performance
- 2-1/2", 3-1/2", and 4-1/2" (64, 89, 108 mm) Stiles Available
- Optional Foam Insulation to Provide Extremely Low U-Factors Ranging From 0.57 to 0.31 and Higher CRF Rating
- NFRC Rated
- Includes Glass Stops for 1" (25 mm) Glazing With Optional Glass Stops for 1-1/2" (38 mm) Triple Glazing
- Choice of Standard or A.D.A. Access Bottom Rails
- Lifetime Warranty on Patented CORNER-LOC® Corner Construction



650-T Narrow Stile | 700-T Medium Stile | 750-T Wide Stile

Our Series 650-T, 700-T, and 750-T High Performance Thermal Entrance Door is filled and debridged with a Polyurethane Polymer Thermal Break, and mechanically fastened and welded at the corners with patented CORNER-LOC® technology, offering one of the best thermal properties available in commercial entrance doors. All doors offer clean lines and are supplied with push/pull hardware and maximum security locks. These entrance doors can easily accommodate a wide variety of custom hardware for specific job requirements. An optional 10" (254 mm) bottom rail is available for A.D.A. requirements. Certified thermal test reports for all U.S. Aluminum products tested in accordance with AAMA 1503.1-88 are available at **crlaurence.com/USAL**, or by calling our national toll free number at (800) 262-5151.

STANDARD FEATURES:

Rails - 2-1/4" (57 mm) deep and thermally broken, providing high performance thermal isolation.
Glass Stops - Pressure type glass stops with bulb weatherstrip glazing gaskets permit time saving installation of 1" (25 mm) thick glass standard. Optional glass stops for 1-1/2" (38 mm) triple glazing infills are available. Setting blocks for glass are preset at the factory.
Adjustable Leveling Screw - A simple adjustment on the leveling screw, concealed in the top rail of the door, compensates for minor variances in door openings after installation.
Adjustable Astragal - All pairs of doors come with spring-loaded fully adjustable dual weathered thermally broken astragals for optimum air resistance. Binding or gaps at the meeting stiles can be easily corrected by simple adjustments. The full length dual weatherstripping on the astragal is not interrupted by the deadlock.
Hinging Hardware - Offset Pivots, Butt Hinges or Continuous Geared Hinge.
Door Sweeps - All door panels come with two door sweeps supplied loose for exterior and interior surface mount application with concealed fasteners.

ACCESSORIES:

Door Closers
Exposed Overhead (Surface Mounted)
Concealed Overhead with Offset Arm (Requires Special Top Rail)

Panic Exit Devices
Conventional Push Pad



SERIES	STILES**	TOP RAIL**	BOTTOM RAIL**	APPLICATIONS
650-T NARROW STILE	2-1/2" (64 mm)	2-1/2" (64 mm)	3-7/8" (98 mm)	Light to Moderate Traffic
700-T MEDIUM STILE	3-1/2" (89 mm)	3-1/2" (89 mm)	6-1/2" (165 mm)	Moderate to Heavy Traffic
750-T WIDE STILE	4-1/4" (108 mm)	4-1/4" (108 mm)	6-1/2" (165 mm)	Heavy Traffic
A.D.A. Bottom Rail Option			9-1/4" (235 mm)	

** Size does not include 3/4" (19 mm) Glass Stop.

CRL-U.S. Aluminum Series 250-T, 400-T, and 550-T Thermal Entrance Doors

- Thermally Broken
- 3", 4-1/4", and 5-1/2" (76, 108, 140 mm) Stiles Available for Exterior Applications
- Prepped for Offset Pivots or 1-1/2 Pair of Butt Hinges (Door Closer Not Included)
- Choice of Standard or A.D.A. Access Bottom Rails
- Includes Glass Stops for 1" (25 mm) Glazing
- Lifetime Warranty on Patented CORNER-LOC® Corner Construction
- Clear Anodized and Bronze Anodized Standard Finishes
- Custom Finishes Available on Request



250-T Narrow Stile



400-T Medium Stile



550-T Wide Stile

Our Series 250-T, 400-T, and 550-T Thermal Entrance Doors provide high thermal resistance by utilizing a two glass stop design. Polyamide Nylon thermal break and mechanically fastened corners with patented CORNER-LOC® technology offer one of the best thermal properties available in commercial entrance doors. All doors offer clean lines and are supplied with push/pull hardware and maximum security locks. These entrance doors can easily accommodate a wide variety of custom hardware for specific job requirements. An optional 10" (254 mm) bottom rail is available for A.D.A. requirements. Certified thermal test reports for all U.S. Aluminum products tested in accordance with AAMA 1503.1-88 are available at **crlaurence.com/USAL**, or by calling our national toll free number at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can e-mail us at **usalum@crlaurence.com**.

STANDARD FEATURES:

Glass Stops - Pressure type glass stops with E.P.D.M. glazing gaskets permit time saving installation of glass. Glass stops are for 1" (25 mm) infills. Setting blocks for glass are preset at the factory.
Adjustable Leveling Screw - A simple adjustment on the leveling screw, concealed in the top rail of the door, compensates for minor variances in door openings after installation.
Adjustable Astragal - All pairs of doors come with spring-loaded fully adjustable dual weathered astragals for optimum air resistance. Binding or gaps at the meeting stiles can be easily corrected by simple adjustments. The full length dual weatherstripping on the astragal is not interrupted by the deadlock.
Hinging Hardware - Offset Pivots for single acting doors or Butt Hinges for single acting doors.

ACCESSORIES:

Door Closers
Exposed Overhead (Surface Mounted)
Concealed Overhead with Offset Arm (Requires Special Top Rail)
Floor Mounted

Panic Exit Devices
Conventional Push Pad



SERIES	STILES	TOP RAIL	BOTTOM RAIL	APPLICATIONS
250-T NARROW STILE	3" (76 mm)	2-7/8" (73 mm)	4-5/16" (110 mm)	Light to Moderate Traffic
400-T MEDIUM STILE	4-1/4" (108 mm)	4-5/16" (110 mm)	7-1/4" (184 mm)	Moderate to Heavy Traffic
550-T WIDE STILE	5-1/2" (140 mm)	6" (152 mm)	7" (178 mm)	Heavy Traffic
A.D.A. Bottom Rail Option			10" (254 mm)	

CRL-U.S. Aluminum Series 900 Terrace Doors

- NEW AAMA AW-PG 55-ATD Rated
- Accepts 1" (25 mm) Insulating Glass
- Thermally Broken
- Adjustable Pivot Hinge
- Five-Point Locking Device
- Available With Transom or Sidelite
- A.D.A Compliant Bottom Rail
- Out-Swing Doors are Now Available With A.D.A. Compliant Low Profile Threshold
- Standard Threshold Available for In-Swing Doors
- Available in Painted or Anodized Finishes
- Retractable Screen Available (See Page T651)

CRL US ALUMINUM MANUFACTURED IN THE USA



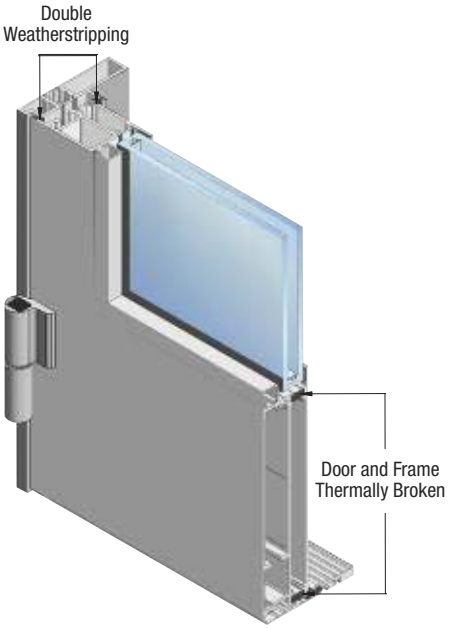




The Series 900 Terrace Door is a high performance, AW-PG 55-ATD rated door featuring a low profile threshold for A.D.A./Fair Housing Act compliance in hotels, lofts, condominiums, and high-rise apartments. The Terrace Door will withstand heavy traffic and the worst of weather conditions while maintaining its elegant styling. Standard threshold versions are available in either in swing or out swing, single or double, and up to AW-PG 80-ATD ratings.

The 2-1/4" (57 mm) thick door with a 1" x 4-1/2" (25 x 114 mm) frame features double polyamide glass reinforced strips providing superior interior to exterior thermal separation, and a low profile threshold. For maximum security, the 900 Series Terrace Door includes a five-point locking device on single doors and seven-points on pairs. Three each five-knuckle hinges, with non-removable stainless steel pins, or our adjustable pivot hinge completes the sturdy look and feel of the Series 900 Terrace Door.

For additional information go to **crlaurence.com/entrances** or contact CRL-U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can also email at **usalum@crlaurence.com**.



- Three Lever Handle Styles With 12 Finish Options



Manor Heritage Estate

CRL-U.S. Aluminum Series IG500 and IG600 Storm Front™ Doors

- Hurricane Resistant Entrances
- Series IG500 for 9/16" (14 mm) Glazing
- Series IG600 for 1-5/16" (33 mm) Glazing

These High Performance Hurricane Resistant Storefront Entrance Doors are designed for all commercial entrance applications including retail space, hotels, condominiums, office buildings, institutional facilities, and industrial structures. Both the IG500 and IG600 Storm Front™ Doors comply with the stringent requirements of Florida's Miami-Dade County Building Codes, making them the top choice for installation in areas battered by hurricanes. The IG500 and IG600 are intended to be installed in punched openings or as liner frames within other CRL-U.S. Aluminum Impact Framing Systems.

For additional information go to **crlaurence.com/hurricane-resistant** or contact our Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can also email us at **usalum@crlaurence.com**.





Storm Front™ Hurricane Resistant
Out-Swing Medium Stile
Entrance Door (Exterior View)

STANDARD FEATURES:

- Standard Panel Sizes: 37" x 84" (940 x 2134 mm) for Single Door
  72" x 84" (1829 x 2134 mm) for Pairs of Doors
- Series IG500 - Glass Stops for 9/16" (14 mm) Glass
- Series IG600 - Glass Stops for 1-5/16" (33 mm) Glass
- 4-11/16" (119 mm) Top Rail for Surface Mount Closer
- 7-5/16" (186 mm) Bottom Rail
- Mechanically Fastened and Welded Corners
- 1-1/2 Pair of 4" x 4-1/2" (102 x 114 mm) Mortised Stainless Steel Butt Hinges with Non-Removable Hinge Pins
- Hook Bolts and Cylinders on Singles. Flush Bolts on Pairs of Doors
- Standard, 1" (25 mm) Diameter Solid Aluminum Push/Pull Set
- Gaskets Included



OPTIONS:

- Three-Point Locking System
- Custom Finishes:
  AAMA 2605 Compliant Painted Finishes
- Concealed Overhead Closers
  (Requires Special Top Rail)
- 10" (254 mm) A.D.A. Bottom Rail
- CRL-Jackson® Concealed Panic
  Exit Device

CRL-U.S. Aluminum Series 2000 Sliding Doors

- Designed for Interior Applications
- Adjustable Tandem Steel Rollers
- Various Combinations of Sliding and Pocket Panels are Available
- Accommodates 1/4" (6 mm) or 1" (25 mm) Glazing



or





The Series 2000 Sliding Door is a multi-track entrance designed for interior applications only. This multi-track slider is engineered with stacking head channels and bottom tracks allowing multi-slider combinations. Rugged overall construction, coupled with heavy wall stiles and interlocks, create a truly monumental sliding unit. Doors are equipped with flush finger pulls, hooklocks, and lock cylinders. Adjustable tandem rollers and floor track with stainless steel caps ensure smooth operation and durability.

Various combinations of sliding and pocket door panels can accommodate many design plans. Floor tracks can be installed recessed or surface applied. Each sliding door has two tandem steel ball bearing rollers to provide smooth operation and years of service. **NOTE:** An intermediate horizontal muntin should be installed in panels with perimeters exceeding 24 feet (7.3 m).

For more Office Partitions, see pages T634-T635.

SERIES	STILES	TOP RAIL	BOTTOM RAIL	GLAZING INFILL	APPLICATIONS
2000	2-1/16" (52 mm)	2-1/8" (54 mm)	3-3/16" (81 mm)	1/4" (6 mm) or 1" (25 mm)	Shopping Malls, Office Partitions, Auto Dealerships

CRL-U.S. Aluminum Series 3000 High Performance Sliding Doors

- Available as OX, XO, OXO, OXXO and Multi-Pocket Doors
- Accommodates 1" and 1-1/4" (25 and 32 mm) Insulating Glass
- Optional Thermally Improved Compensating Head and Jamb Channels
- Available in Block or Fin Frame
- Multi-Point Locking System
- Tested to AAMA LC-PG25-SD, CW-PG-SD, and CW-PG60-SD for High Performance



Our Series 3000 High Performance Sliding Door is an elegant high performance thermal multi-track sliding door designed for exterior applications. This high performance slider is designed for either fin or block frame applications, and has thermally broken stacking head channels and bottom tracks to provide exceptional thermal performance, allowing for multi-slider combinations. It's rugged overall construction coupled, with heavy wall stiles and interlocks, create a truly monumental thermal sliding unit. Doors are equipped with multi-point locking system, heavy-duty adjustable tandem rollers, and floor track with stainless steel caps to ensure smooth operation during years of service.

Various combinations of sliding and pocket door panels can accommodate many design plans. The unique design of our 3000 Sliding Door is capable of having separate interior and exterior finishes, optional extruded screens, and factory glazing.

NOTE: An intermediate horizontal muntin should be installed in panels with perimeters exceeding 24 feet (7.3 m).

SERIES	STILES	TOP RAIL	BOTTOM RAIL	GLAZING INFILL	APPLICATIONS
3000	3-1/16" (78 mm)	1-11/16" (43 mm)	3-7/16" (87 mm)	1" (25 mm) or 1-1/4" (32 mm)	Condominiums, Lofts, Hotels, and Apartments

CRL-U.S. Aluminum Entice® Series Entrance System

NEW!



ENTICE®

US Patent No. 9,074,413

- 1-1/8" (29 mm) Ultra Narrow Vertical Stiles and Mullions With a System Depth of Only 2-1/2" (64 mm)
- Accommodates 1" (25 mm) Insulating Glass
- Thermally Broken Cladding
- Optional 2-5/8" (67 mm) Narrow Stiles for Door Stile Mounted Panic Exit Device Compatibility
- Complete Entrance System Including, Corners, Thresholds, Wall and Doorway Jambs, Vertical Mullions, and Fixed Lite Rails
- Works With Blumcraft® Panic, Deadbolt, and Electronic Egress Handles
- Meets the Requirements of AAMA SFM-1-14
- U-Factors as Low as 0.33
- Meets ASHRAE 90.1 Air Infiltration and Thermal Performance Requirements
- Handle Hardware Floats on the Glass via Specialized Through-Glass Fittings
- Header Adapter Integrates With USAL Storefronts and Curtain Walls
- Optional High Performance Reduced Sound Transmission Door Seal Kits
- Optional Integrated LED Lighting System
- New Clear Fin Series Now Available

CRL US ALUMINUM MANUFACTURED IN THE USA

USE INSULATING TEMPERED GLASS

Premium storefronts have one purpose…entice passersby to enter your business through the expression of success, and persuade them that within the business a higher level of quality can be found.

The CRL-U.S. Aluminum Entice® Series Entrance System was created to exceed demanding building code and energy conservation requirements while maintaining an elegant appearance. Entice® has very slender vertical lines and the unique ability to support handle hardware on 1" (25 mm) insulating glass with a "floating on air" appearance, making Entice® a perfect match for our equally elegant Blumcraft® Access Handles.

The Entice® System has a depth of only 2-1/2" (64 mm), is clad with finely finished materials of your choice, and does not have break lines where common doors would have removable stops. Entice® has an impressive pedigree, endowed with field-proven CRL technologies, as well as two patent pending innovations that assure enhanced performance, durability, and reliability.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can e-mail us at **usalum@crlaurence.com**.

CRL-U.S. Aluminum Series E1200 Elephant Doors

- Series 400 Medium Stile Aluminum Doors
- Accommodates 1/4" or 1" (6 or 25 mm) Glazing
- Up to 6' (1.8 m) Wide x 14' (4.2 m) Tall Operable Bays
- Available in Clear, Dark Bronze, or Black Anodized Finishes
- Also Available in Standard U.S. Aluminum Fluoropolymer Painted Finishes

CRL-U.S. Aluminum Series E1200 Elephant Doors are the first of their kind! The Elephant Door System is easily suitable for 6' (1.8 m) wide x 14' (4.2 m) tall bays, and can meet code requirements with 30 psf windloads. Its rugged overall construction, coupled with heavy wall stiles and interlocks, heavy-duty tandem rollers, and a concealed floor track, offers smooth operation and durability. Available in clear, bronze or black anodized and a wide range of standard CRL-U.S. Aluminum Fluoropolymer painted finishes. Doors can be fabricated in offset pivot or center hung configurations with a wide variety of locking hardware and overhead concealed closers to meet your specific requirements.

The CRL-U.S. Aluminum Elephant Door System is ideal for renovation projects as no wall pockets are needed to facilitate the horizontal movement of the system. The operable storefront sections easily slide behind the fixed sections, creating monumental openings for the passage of large items such as cars, trucks, boats, works of art, furniture, or mass pedestrian traffic for sporting venues. Various configurations are available to meet your design needs. The Series E1200 is intended for installations that have soffit overhangs greater than the overall entrance frame height. Local codes should be checked for compliance.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can e-mail us at **usalum@crlaurence.com**.

VIDEO

CRL US ALUMINUM MANUFACTURED IN THE USA

USE MONOLITHIC TEMPERED GLASS



In the Closed Position It's Business as Usual with Pairs of Swinging Entrance Doors.



With the Sliding Center Panels Moved Aside, the "Elephant Size" Opening Allows for Larger Objects to be Moved In or Out.

CRL-U.S. Aluminum Storefront Systems

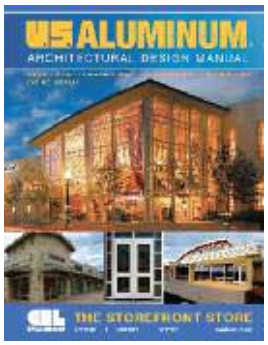
- Systems
- Supplies
- Service

CRL-U.S. Aluminum has designed and engineered a number of proven and attractive storefront systems with long-lasting quality, reliability, and durability. Whatever the climate and environment, our storefront systems are known performers that deliver value on a daily basis. There's no need to compromise on selection or price, because our Technical Specialists are trained to serve your needs, from design to delivery, and every step in between.

Our years of experience in the field have given us the confidence to promote your entry into the sale and installation of attractive and quality-built storefronts. Every community has businesses large and small that depend upon welcoming and reliable storefronts to attract customers. As time passes these storefronts can become worn or dated, in need of repair or outright replacement. You can be your community's source for storefront repairs and replacement.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can e-mail us at **usalum@crlaurence.com**.





Complete specifications, detailed assembly drawings, windload and deadload charts, can be found in our USAL14 U.S. Aluminum Architectural Design Manual, available for viewing, download or order from the Catalog Library at **crlaurence.com/catalogs**.



KD Storefront Fabrication Service

You Provide the Details and We'll Do the Rest. Let Us Fabricate for You!









Take the guesswork out of quoting your fabrication labor, reduce costly fabrication errors, and, most importantly, save time. Our KD Storefront Fabrication Service provides installation-ready materials and hardware bundled by elevation. Glass sizes and step-by-step installation instructions are included. Our unique combination of quality, inventory, expertise, and turnkey services gives you maximum flexibility and profitability. See **crlaurence.com/fabrication**.

Advantages of U.S. Aluminum Fully Fabricated Storefronts:

Project Efficiency

- Complete Turnkey, KD Solution Available for Local Pick Up
  Includes all hardware, gaskets and accessories required for the complete assembly. Materials can be added or removed as required.
- Fast Turnarounds and Rapid Customization
- Materials Bundled by Elevation for Easy Job Site Handling

Quality Assurance

- Precise Fabrication Via State-of-the-Art CNC Equipment
- Heavy Wall Packaging with Wood Blocking for Protected Handling of Materials to the Job Site

Peace of Mind

- Minimizes Cost and Liability Resulting From Fabrication Errors
- Simply Send Us Your Details and We Can Do the Rest

Single Source Accountability

We supply the materials, fabricate the extrusions, provide glass sizes, and offer the largest selection of door hardware, installation tools, and supplies to get the job done right.

CRL-U.S. Aluminum Series 45X ArcticFront™ Dual Thermal Storefront System

NEW!



- Dual Polyurethane Thermal Breaks
- 2" x 4-1/2" (51 x 114 mm) Thermal Frame
- U-Factors as Low as 0.19 Using Insulating Glass Units
- Screw Spline or Shear Block Assembly
- 1" (25 mm) Glazing Infills
- Tested in Accordance With AAMA 507
- NFRC-Rated
- Available in Anodized or Painted Finishes
- Interior or Exterior Glazed

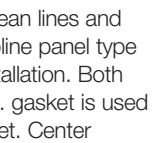


The Series 45X ArcticFront™ High Performance Storefront System offers optimal thermal performance with the installer-friendly features of a traditional storefront. The NFRC-rated Series 45X ArcticFront™ Storefront can produce U-factors ranging from 0.37 using 1" low-E insulating glass, to as low as 0.19 using specially configured insulated glass units. The Series 45X utilizes the new ArcticFront™ Series 375-T High Performance Medium Stile Thermal Doors and is compatible with all U.S. Aluminum Thermal Windows.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can send us an e-mail at **usalum@crlaurence.com**.

SERIES	FACE WIDTH	DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
45X	2" (51 mm)	4-1/2" (114 mm)	1" (25 mm)	Exterior/Interior	Storefronts in Regions Requiring Superior Thermal Performance

CRL-U.S. Aluminum Series 400 and 400-S Center Glazed Storefronts



- For 1/4" or 3/8" (6 or 10 mm) Glazing
- Screw Spline and Stacking Type Installations for Interior or Exterior Glazing
- Full Range of Accessory Components
- Three Stock Finishes Plus Custom Paint Available



Fabrication and installation labor costs have always been a decisive factor in selecting framing systems for storefront projects. CRL-U.S. Aluminum offers cost efficient, versatile Center Glazed Systems with clean lines and superb performance. Our Series 400 offers simple screw spline panel type installation, and our Series 400-S features stacking type installation. Both series may be interior or exterior glazed. A top load E.P.D.M. gasket is used to position and weatherseal the glass in the aluminum pocket. Center Glazed Systems are compatible with most CRL-U.S. Aluminum Entrance Doors (see pages T609-T613).

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can send us an e-mail at **usalum@crlaurence.com**.

SERIES	FACE WIDTH	DEPTH	HEAD/SILL DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
400 400-S	1-3/4" (45 mm)	4" (102 mm)	4-1/4" (108 mm) (400-S Series Only)	1/4" (6 mm) or 3/8" (10 mm)	Exterior/Interior	Retail Shopping Centers, Schools, Post Offices, Clinics or Any Ground Floor Application

CRL-U.S. Aluminum Series 450 and 450-S Center Glazed Storefronts

- For 1/4" or 3/8" (6 or 10 mm) Glazing
- Screw Spline and Stacking Type Installations for Interior or Exterior Glazing
- Full Range of Accessory Components
- Three Stock Finishes Plus Custom Paint Available



Our Series 450 is a panel type installation featuring screw race joinery which may be shop fabricated and shipped to the job site partially or totally assembled into panels. The assembled panel units are then snapped together into long runs.

Our Series 450-S is a Stacking System which has continuous head and sill channels spliced together with extruded aluminum splice sleeves as required for thermal expansion. Vertical mullions are stacked into the head and sill channels without mechanical fastening to provide for metal expansion and building deflection. Infiltrated water is weeped to the exterior through weep holes located approximately 6" (152 mm) on each side of vertical mullions. Center Glazed Systems are compatible with most CRL-U.S. Aluminum Entrance Doors (See pages T609-T613).



For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

SERIES	FACE WIDTH	DEPTH	HEAD/SILL DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
450 450-S	1-3/4" (45 mm)	4-1/2" (114 mm)	4-3/4" (121 mm) (450-S Series Only)	1/4" (6 mm) or 3/8" (10 mm)	Exterior/Interior	Retail Shopping Centers, Schools, Post Offices, Clinics or Any Ground Floor Application

CRL-U.S. Aluminum Series 451 and 451-S Center Glazed Storefronts

- For 1" (25 mm) Glazing
- Screw Spline and Stacking Type Installations Available for Interior or Exterior Glazing
- Full Range of Accessory Components
- Three Stock Finishes Plus Custom Paint Available



Our Series 451 provides flush glazing on all sides with no projecting stops. Vertical and horizontal framing members have nominal face dimensions of 2" (51 mm). Overall depth is 4-1/2" (114 mm). The system provides for internal drainage of infiltrated water into an extruded aluminum subsill channel where it is drained to the exterior through weep slots.

The Series 451-S Stacking System provides continuous head and sill channels spliced together with formed brake metal sleeves at center of vertical mullions as required for thermal expansion and to ensure a continuous sill gutter to handle infiltrated water. The sill channel provides for exterior weepage through 1/4" (6 mm) diameter weep holes located at approximately 6" (152 mm) on each side of the vertical mullions. The system provides for flush glazing on all sides with no projecting stops. Vertical and horizontal framing members have a nominal face dimension of 2" (51 mm). Overall depth is 4-3/4" (121 mm). Center Glazed Systems are compatible with most U.S. Aluminum Entrance Doors (see pages T609-T613).



For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

SERIES	FACE WIDTH	DEPTH	HEAD/SILL DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
451 451-S	2" (51 mm)	4-1/2" (114 mm) 4-3/4" (121 mm)	4-3/4" (121 mm)	1" (25 mm)	Exterior/Interior	Retail Shopping Centers, Schools, Post Offices, Clinics or Any Ground Floor Application

CRL-U.S. Aluminum Series IT451 and IT451-S Thermally Improved Storefronts



- Superior Thermal Performance Using 1" (25 mm) Glazing
- Available for Screw Race Joinery or Panel Type Installations for Interior or Exterior Glazing
- Full Range of Accessory Components
- Three Stock Finishes Plus Custom Paint Available



Series IT451and IT451-S Thermal Center Glazed Systems offer an outstanding value by combining increased thermal performance with low-cost conventional flush glazing. These systems feature the Poly-Aluminizer™ and Lancer™ Thermal Break Technologies with a Two Year Warranty as described in the Warranty for Thermally Broken Framing Systems. They were especially engineered to satisfy the increasing demands for energy conservation. Both series may be glazed from the interior or exterior, and are well suited for storefront applications requiring increased thermal performance.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

SERIES	FACE WIDTH	DEPTH	HEAD/SILL DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
IT451 IT451-S	2" (51 mm)	4-1/2" (114 mm)	4-3/4" (121 mm)	1" (25 mm)	Exterior/Interior	Storefronts in Regions Requiring Thermal Performance

CRL-U.S. Aluminum Series FF451 Flush Front™ Storefront

- Flush In or Flush Out for 1" (25 mm) Glazing
- Screw Spline Joinery for Panel Installation
- Available Interior or Exterior Glazing
- Three Stock Finishes Plus Custom Paint Available





CRL-U.S. Aluminum Flush Front™ Systems allow the plane of the glass to be reversed from exterior to interior or any combination to give these standard systems a custom look. Flush Front™ is ideal for use in storefront and punched opening or ribbon window applications. Flush Front™ Systems accommodate most U.S. Aluminum Entrance Doors.

System features screw race joinery with split vertical mullions which allows for framing to be shop fabricated and shipped to the job site partially or totally assembled into panels. The assembled panel units are then snapped together into long runs. Subsills with factory pre-punched weep slots must be used with these systems.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

SERIES	FACE WIDTH	DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
FF451	2" (51 mm)	4-1/2" (114 mm)	1" (25 mm)	Exterior/Interior	Ground Floor to Mid-Rise Buildings. Ideal for Fixed Horizontal Ribbon Windows

CRL-U.S. Aluminum Series FT451 Flush Front™ Thermally Improved Storefront System

- Superior Thermal Performance
- Flush In or Flush Out 1" (25 mm) Glazing
- For Interior or Exterior Glazing
- Available for Screw Race Joinery or Panel Type Installations
- Three Finishes Plus Custom Paint Available





Flush Front™ Systems feature screw race joinery and panel type installation, which allows for shop or job site fabrication. Injection molded water deflectors at intermediate horizontals, and a continuous sill gutter with factory pre-punched weep slots, ensure control of any infiltrated water. The plane of the glass may be reversed from exterior to interior or any combination to give these standard systems a custom look. Flush Front™ Series FT451 offers improved thermal performance using the Poly-Aluminizer™ thermal break technology.

Series FT451 may be glazed from the interior or exterior using a top load E.P.D.M. glazing gasket. This multi-purpose product was also designed and tested for use as a Window Wall System, and is an ideal choice for fixed horizontal ribbon window applications. Flush Front™ Systems accommodate most U.S. Aluminum Entrance Doors.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

SERIES	FACE WIDTH	BACK MEMBER DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
FT451	2" (51 mm)	4-1/2" (114 mm)	1" (25 mm)	Exterior/Interior	Ground Floor to Mid-Rise Buildings. Ideal for Fixed Horizontal Ribbon Windows.

CRL-U.S. Aluminum Series IG500 Storm Front™ Storefront System

- 2-1/2" (64 mm) Face Width x 5" (127 mm) Depth
- For 9/16" (14 mm) Glazing
- Large Missile Impact Tested
- Structurally Tested to 210 MPH
- Screw Spline Assembly
- Dry Glazed
- Other Profile Sizes Available





This IG500 Series Framing System provides for flush glazing on all sides with no projecting stops. Vertical and horizontal framing members have a nominal face dimension of 2-1/2" (64 mm). Overall depth is 5" (127 mm). Provides for internal drainage of infiltrated water into an extruded aluminum subsill channel where it is drained to the exterior through weep slots.

IG500 Storefront is designed for use with 9/16" (14 mm) Laminated Heat-Strengthened Impact Glass with SentryGlas® Plus interlayer as per Dade County Codes.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

SERIES	FACE WIDTH	DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
IG500	2-1/2" (64 mm)	5" (127 mm)	9/16" (14 mm)	Exterior	Storefronts in Regions Requiring Hurricane Resistant Performance

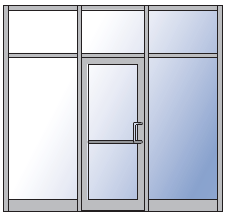
SentryGlas is a registered trademark of E.I. du Pont de Nemours and Company.

CRL- U.S. Aluminum Storefronts Online

Now Also for Curtain Wall!

Estimating Software Solution

- Designed to Save Glazing Contractors Time and Money
- The Only Comprehensive Software on the Market That Accomodates Both All-Glass and Aluminum Framed Systems
- Designed Specifically With the Glazier in Mind, the Easy-to-Use Interface Produces a Complete Quote Package Instantly
- Determines All Materials Required and Optimizes Material Yield Across Your Entire Project
- Produces Glass Sizes and Material Fabrication Details (Including Splice Joints)
- Allows You to Design and Quote Entire Openings, Including Integrating Entrances into Curtain Walls, and Works With Spandrel Glass Applications
- Generates a Professional Bid Package With Your Company Logo for Presentations to Clients and Architects
- Works on All Computers and Mobile Platforms, Including Tablets
- Generates Everything You Need to Design, Quote, Order, Fabricate, and Install Building Envelope Systems Faster Than Ever
- It's Like Hiring a Professional!



STOREFRONTSonline



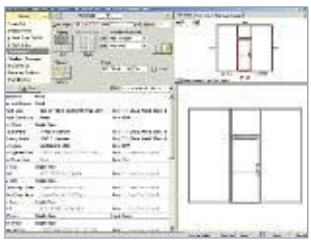
Is This Program Right for You?

- Do you quote and install commercial entrances, storefronts, or curtain walls?
- Do you need assistance with designing safe architectural systems?
- Do you require professional drawings and visual aids for your proposals?
- Do you want to grow your business and expand your technical capabilities?
- If YES, then go to **crlaurence.com/storefronts-online** to attend a webinar and receive your FREE 30-day trial.

Our powerful Storefronts Online® estimating software now includes U.S. Aluminum Framed Entrances, Storefronts, and Curtain Walls. We're proud to offer the first comprehensive system to enable users to design, quote, and order both Fully Framed and 'All Glass' commercial systems.

Storefronts Online® is a one-stop-shop that allows you to design and build commercial entrances, storefronts, and curtain walls faster than ever. This innovative program expedites the bidding process, minimizes errors on estimates, and generates accurate quote packages in a matter of clicks, enabling you to quote more jobs in less time. For added savings, our popular 2% online ordering discount is now available on Storefronts Online®. When you purchase through Storefronts Online®, the 2% discount will be automatically applied to all qualifying materials.

This easy-to-learn, easy-to-use software will convert even your newest crew member into an estimating pro. Be among the many benefitting from the capabilities of Storefronts Online®. Go to **crlaurence.com/SFOL** or contact U.S. Aluminum Technical Sales at (800) 262-5151 and ask about how you can receive a FREE 30-day trial.



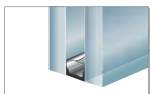


CRL-U.S. Aluminum Unit-Glazed Systems

- Window Walls and Storefronts
- Reduces Field Labor
- Vastly Increases Field Production
- Increases Quality Control and Efficiency
- Increases Factory Production Through Assembly Line Techniques
- Promotes Competitiveness on Both Large and Small Jobs

NEW!

CRL US ALUMINUM MANUFACTURED IN THE USA





As the design and construction industry continues to innovate and find ways to increase efficiency while streamlining labor and fabrication costs, CRL-U.S. Aluminum has emerged with an innovative solution for installing commercial storefronts and window walls. Our Unit-Glazed Systems allow glaziers to fabricate in their own shop environments, reducing field labor by as much as 50% and accelerate the installation process. This translates into substantial time and cost savings, more competitive quotes, and higher profit margins.

The key to CRL-U.S. Aluminum Unit-Glazed Systems is our new Unit Split Mullions and Gravity Loaded Sill Flashing. These features enable installers to easily snap each Unit-Glazed section together in the field. All Unit-Glazed Systems have been fully tested and approved for structural integrity, air and water infiltration.

For additional information, contact USAL Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can email us at **usalum@crlaurence.com**.

Series 4500 SSG Structural Silicone Glazed Window Wall System

- 2-1/4" x 6" (57 x 152 mm) or 2-1/4" x 7" (57 x 178 mm) Frame
- 1" (25 mm) Glazing
- Optional Slab Edge Cover for 7" (178 mm) System Only

Verticals for Structural Silicone Glazing create the look of a true glass wall with the same labor saving installation. Horizontal framing members run continuous between wall jambs to accomplish a horizontal band appearance.

Series TT601 Top Notch Window Wall System

- 2-1/4" x 6" (57 x 152 mm) Frame
- 1" (25 mm) Glazing
- Glass Offset to Front
- Butt Glazed Vertical Option
- Optional Slab Edge Cover

The Top Notch System offers a shallow face reveal that creates a flush exterior appearance. This system utilizes wedge-type molded corner exterior sponge gaskets for superior air and water performance. Internal water deflectors at intermediate horizontal to vertical intersections allow infiltrated water to be drained into a continuous sill gutter and weeped to the exterior.

Series IT451 Center Glazed Thermal Storefront System

- 2" x 4-1/2" (51 x 114 mm) Frame
- 1" (25 mm) Glazing
- Thermally Improved
- Center Glazing

Series IT451 Center Glazed Thermal Systems offer an outstanding value by combining increased thermal performance with low-cost conventional flush glazing. These systems feature the Poly-Aluminizer™ and Lancer™ Thermal Break Technologies, providing exceptional thermal performance.

Series FT451 Flush Front™ Offset Glazed Thermal Storefront System

- 2" x 4-1/2" (51 x 114 mm) Frame
- 1" (25 mm) Glazing
- Flush In, Flush Out, or Combination Glazing
- Thermally Improved

Flush Front™ Series FT451 offers improved thermal performance using the Poly-Aluminizer™ Thermal Break. Flush Front™ features injection molded water deflectors at intermediate horizontals, and a continuous sill gutter with factory pre-punched weep slots to ensure control of any infiltrated water. The plane of the glass may be reversed from exterior to interior or any combination to give these standard systems a custom look.

All systems are available in an array of architectural coatings and anodized finishes.

CRL-U.S. Aluminum Series OS451 and OS451SG Window Walls

- For 1" (25 mm) Glazing
- Glass Offset to Front
- Structural Vertical Glazing Option
- Top Load Gasket
- Three Finishes Plus Custom Paint Available
- Other Profile Sizes Available



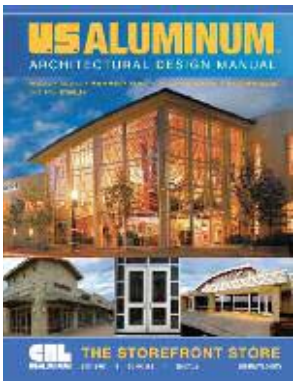


Series OS451 and OS451SG Systems offer a shallow face reveal which creates a flush exterior appearance. They were designed for labor saving stacking type installations, and may be interior or exterior glazed using top load E.P.D.M. glazing gaskets. Internal water deflectors at intersections of intermediate horizontal and vertical mullions allow infiltrated water to be drained into a continuous sill gutter and weeped to the exterior. Optional vertical mullions for structural silicone glazing are available. This multi-purpose product was also designed for use as a storefront system, and is an ideal choice for fixed horizontal ribbon window applications. OS451 and OS451SG Systems accommodate most U.S. Aluminum Entrance Doors.

Verticals for structural silicone glazing create the look of a true glass wall with the same labor saving installation. Horizontal framing members run continuous between wall jambs to accomplish a horizontal band appearance. Glazing is performed from the exterior.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can e-mail us at **usalum@crlaurence.com**.

SERIES	FACE WIDTH	HEAD/SILL DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
OS451 OS451SG	2" (51)	4-3/4" (121 mm)	1" (25 mm)	Exterior	Ground Floor to Mid-Rise Buildings. Ideal for Fixed Horizontal Ribbon Window Applications.



Complete specifications, detailed assembly drawings, windload and deadload charts, can be found in our USAL14 U.S. Aluminum Architectural Design Manual, available for viewing, download or order from the catalog Library at **crlaurence.com/catalogs**.



CRL-U.S. Aluminum High-Performance Windows

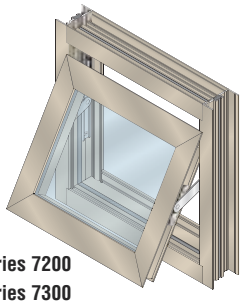
- Short Lead Times
- Built in Our Own Plants Here in the U.S.A.

CRL-U.S. Aluminum offers a complete selection of commercial windows for most any project. Our robust fabrication and distribution capabilities also offer one of the shortest lead times in the industry. Our windows are tested to the highest industry standards, and are available in an array of configurations and finishes. This ensures they will perform to your expectations.



Series 7200 and 7300 Windows

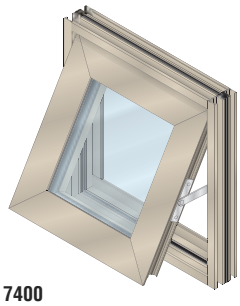
- 2" (51 mm) Depth Projected, Fixed, or Casement
- HC-75 Rated (Series 7200 Operable)
- HC-90 Rated (Series 7200 Fixed)
- HC-75 Rated (Series 7300 Operable and Fixed)



Series 7200
Series 7300

Series 7400 Operable Window

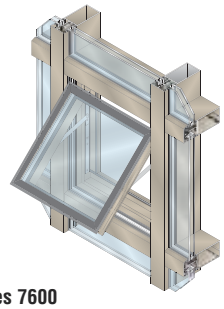
- 2-1/4" (57 mm) Depth Projected, Fixed, or Casement
- HC-75 Rated (Operable)
- AW-95 Rated (Fixed)



Series 7400

Series 7600 Concealed Vent Window

- AAMA CW100 Rated
- Structural Silicone Glazed
- 1" (25 mm) Glazing
- U-factor 0.56 to 0.34
- Hurricane Resistant and Blast Mitigation Versions Available



Series 7600

Series 8000 Single Hung Window

- 4-1/2" (114 mm) Deep Frame
- Tested to AAMA CW60
- U-factors as Low as 0.34



Series 8000

Series 8100 Fixed Window

- 4-1/2" (114 mm) Deep Frame
- Tested to AAMA CW65
- U-factors as Low as 0.34



Series 8100

Series 8200 Horizontal Sliding Window

- 4-1/2" (114 mm) Deep Frame
- Tested to AAMA CW65
- U-factors as Low as 0.34



Series 8200

We invite you to contact CRL-U.S. Aluminum Technical Sales to discuss your window needs. Call us toll free at (800) 262-5151 from anywhere in the United States and Canada, or (323) 268-4230 International. Ask for Ext. 5305. Send your inquiries by email to **usalum@crlaurence.com**.

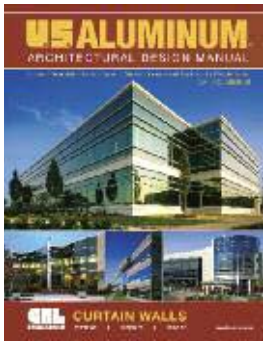
CRL-U.S. Aluminum Curtain Wall Systems

- Systems
- Supplies
- Service

CRL-U.S. Aluminum offers Curtain Wall Systems that are ideal for low to mid-rise structures. We offer cost efficient and versatile systems with clean lines and superb performance characteristics. Systems are available that may be glazed from the interior or exterior using E.P.D.M. glazing gaskets, and all series are compatible with most CRL-U.S. Aluminum Entrance Doors, Sunshades, and Light Shelves. Dual colors can be achieved with these systems simply by specifying different finishes for the exterior face covers and interior mullions. Glazing options include 1/4" (6 mm), 1" (25 mm) insulating glass, and 2" (51 mm) triple glaze.

CRL-U.S. Aluminum Curtain Wall Systems can be custom modified to the specific requirements of your project. Our product specialists will work with you to ensure the Curtain Wall System you order from us will meet your needs and the approval of your clients. For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International. Ask for Ext. 5305. You can e-mail us at **usalum@crlaurence.com**.

Our powerful Storefronts Online® estimating software now includes U.S. Aluminum Curtain Walls. Be among the many benefitting from the capabilities of Storefronts Online®. Go to **crlaurence.com/SFOL** or contact U.S. Aluminum Technical Sales at (800) 262-5151 and ask about how you can receive a FREE 30-day trial.



Complete specifications, detailed assembly drawings, windload and deadload charts, can be found in our USAL15 U.S. Aluminum Architectural Design Manual, available for viewing, download or order from the Catalog Library at **crlaurence.com/catalogs**.







CRL-U.S. Aluminum Series 2202 High Performance, Thermally Broken Curtain Wall

NEW!

- 2" (51 mm) Face Dimension
- 4" and 5" (102 and 127 mm) Back Member Depths
- Exterior Glazed
- Injection Molded Water Deflectors
- Thermally Improved Pressure Bar
- No Exposed Fasteners
- Shear Block Assembly





Introducing the Series 2202 Thermally Broken Curtain Wall, the evolution of the thermally improved curtain wall system. This system has been engineered to meet and exceed the extraordinary thermal performance required in harsh climates. To complement their energy efficient nature these systems are LEED-friendly as they are extruded from 75% recycled aluminum, contain zero VOC (Volatile Organic Compounds), and will be manufactured at various regional locations.

The Series 2202 Curtain Wall design is nearly identical to our time-tested Series 3250 Curtain Wall System used in structures around the world. The primary difference is the addition of a skip and debridge Polyurethane Polymer Thermal Break to complement the continuous thermal spacer from the 2200 System.

By employing an innovative thermal break configuration the Series 2202 System, combined with insulating glazing, can provide an ultra-efficient U-Value to satisfy the most demanding project requirements.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada

SERIES	FACE WIDTH	BACK MEMBER DEPTH	OVERALL DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
2202	2" (51 mm)	4" (102 mm) 5" (127 mm)	6" (152 mm) 7" (178 mm)	1" (25 mm)	Exterior	Low to Mid-Rise Buildings in Regions Requiring Extraordinary Thermal Performance

CRL-U.S. Aluminum Series 2100 and 2200 Curtain Walls

- Thermally Improved
- Injected Molded Water Deflectors
- Suitable for Low to Mid-Rise Buildings
- For 1" (25 mm) and/or 1/4" (6 mm) Glazing
- Available for Captured Glazing and Structural Silicone Glazing
- Exterior Glazed
- Screw Spline or Shear Block Assembly



or





Based on our popular Series 3150/3250, Series 2100 and 2200 Curtain Wall Systems offer a reduced sightline for low to mid-rise applications where exterior glazing is desired. Complementing the efficiency of insulating glass, Series 2100 and 2200 Curtain Walls are thermally improved by a continuous thermal spacer interlocked with the horizontal and vertical pressure plates. Dual colors can be achieved by specifying different finishes for the exterior face covers and interior mullions. Extruded aluminum shear blocks with concealed mechanical attachment allows for a concealed horizontal to vertical joinery without exposed screws. These joint intersections also have concealed Injection Molded End Dams for controlling any infiltrated water.

Series 2100 and 2200 Curtain Walls are designed for both Shear Block and Screw Spline installation. The Screw Spline System incorporates a unique split vertical mullion for straight-in installation of each bay, special perimeter members for easy anchorage to the structure, and the option to shop install and seal end dams. Three mullion depths are offered to accommodate various structural loads.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

SERIES	FACE WIDTH	BACK MEMBER DEPTH	OVERALL DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
2100 2200	2" (51 mm)	2-7/8" (73 mm) 4" (102 mm) 5" (127 mm)	4-15/16" (125 mm) 6-1/16" (154 mm) 7-1/16" (179 mm)	1" (25 mm) and/or 1/4" (6 mm)	Exterior	Low to Mid-Rise Buildings Where Exterior Glazing is Desired

CRL-U.S. Aluminum Series 3250 Curtain Wall

- Thermally Improved
- 2-1/2" (64 mm) Face Dimension
- Multiple System Depths
- Standard for 1" (25 mm) Glazing
- Available for 1/4" (6 mm) Glazing
- Exterior Glazed
- Available for Captured Glazing



or

Strength, versatility, and economics make Series 3250 Curtain Wall an industry favorite for low to mid-rise applications where exterior glazing is desired. Complementing the efficiency of insulated glass, Series 3250 is thermally improved by a continuous thermal spacer interlocked with the horizontal and vertical pressure plates. Dual colors can be achieved by specifying different finishes for the exterior face covers and interior mullions. Two piece horizontals and die cast shear blocks allow for a concealed horizontal to vertical joinery without exposed screws. These joint intersections also have concealed injection molded end dams for controlling any infiltrated water. Various depth mullions are available for accommodating single and multi-span structural loads.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

SERIES	FACE WIDTH	BACK MEMBER DEPTH	OVERALL DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
3250	2-1/2" (64 mm)	4" (102 mm) 5" (127 mm) 8" (203 mm)	6" (152 mm) 7" (178 mm) 10" (254 mm)	1" (25 mm) or 1/4" (6 mm)	Exterior	Low to Mid-Rise Buildings Where Exterior Glazing is Desired

CRL-U.S. Aluminum Series 3150 Curtain Wall

- Thermally Improved
- Vertical Structural Silicone Glazed
- Standard for 1" (25 mm) Glazing
- Available for 1/4" (6 mm) Glazing
- Multiple System Depths
- Concealed Horizontal to Vertical Joinery
- Three Finishes and Custom Paint Available





or



Series 3150 Curtain Wall combines the horizontal members of Series 3250 Curtain Wall with Structural Silicone Glazed Vertical Mullions. Narrow 3/8" (10 mm) silicone joints and vertical mullions hidden behind the glass create the appearance of a glass wall with horizontal feature strips.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

SERIES	FACE WIDTH	BACK MEMBER DEPTH	OVERALL DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
3150	2-1/2" (64 mm)	4" (102 mm) 5" (127 mm) 8" (203 mm)	6" (152 mm) 7" (178 mm) 10" (254 mm)	1" (25 mm) or 1/4" (6 mm)	Exterior	Low to Mid-Rise Buildings Where Total Glass Appearance is Desired

CRL-U.S. Aluminum StormWall™ XL Hurricane-Resistant Curtain Wall

STORMWALL XL
HURRICANE-RESISTANT CURTAIN WALL

CRL US ALUMINUM MANUFACTURED IN THE USA

- Large and Small Missile Impact and Cycling
- Design Pressures: Up to +100/-100 PSF
- 15 PSF Static Water Resistance
- 2-1/2" (64 mm) Face Dimension
- For 1-5/16" (33 mm) Insulating Laminated Glass
- Thermally Improved, NFRC Rated
- Twin Span Capability

NEW!





The StormWall™ XL Hurricane-Resistant Curtain Wall is designed to meet the most demanding performance requirements for areas exposed to hurricanes and other severe weather. The system is Miami-Dade Certified (NOA), has Florida Product Approval, and is fully tested to ASTM and TAS Standards.

The system is thermally improved using a continuous thermal spacer interlocked within the horizontal and vertical pressure bar. With U-factors as low as 0.38, the system easily satisfies the Florida Building Code Fifth Edition (2014) Energy Conservation requirement. It features shear block assembly with no exposed fasteners for clean sight lines and maximum installation flexibility.

The StormWall™ XL Hurricane-Resistant Curtain Wall provides the best defense against high winds, airborne debris, and water infiltration. Designed and engineered for exceptional strength, reliability, and quality, it ensures that architects and glazing contractors receive the best high-performance curtain wall for their at-risk projects.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

SERIES	FACE WIDTH	BACK MEMBER DEPTH	OVERALL DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
StormWall™ XL	2-1/2" (64 mm)	5-1/4" (133 mm)	7-1/2" (191 mm)	1-5/16" (33 mm)	Exterior	Low to Mid-Rise Buildings Where Impact Resistant Glazing Systems are Mandated

CRL-U.S. Aluminum Series 4500 and 4500SG Curtain Walls

CRL US ALUMINUM MANUFACTURED IN THE USA

- Superior Thermal Performance
- 1" (25 mm) Glazing System for Low to Mid-Rise Buildings
- Pocket Reducer Available for 1/4" (6 mm) Glazing
- Exterior Glazed
- Available for Captured Glazing and Structural Silicone Glazing



or





The Series 4500 and 4500SG Curtain Walls feature pressure relieved horizontals with a unique, integral UNIflash™ System to literally sweep infiltrated water to the exterior. UNIflash™ eliminates the secondary operation of installing rigid vinyl internal flashing in horizontals as required by similar systems. Exterior and interior members are internally joined with a non-conductive injection molded thermoplastic connector, providing total thermal isolation which allows by specifying different finishes for exterior face members and interior mullions. The system features either shear block or panel type assembly with no exposed joint fasteners.

Series 4500SG is offered in stick or panel erected systems combining the horizontal members of Series 4500 with structural silicone glazed vertical mullions. The two-sided silicone system creates the appearance of a glass wall with horizontal feature strips.

For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or (323) 268-4230 International.

SERIES	FACE WIDTH	BACK MEMBER DEPTH	OVERALL DEPTH	GLAZING INFILL	GLAZING METHOD	APPLICATIONS
4500 4500SG	2-1/4" (57 mm)	4" (102 mm) 5" (127 mm) 8" (203 mm)	6" (152 mm) 7" (178 mm) 10" (254 mm)	1" (25 mm) or 1/4" (6 mm)	Exterior	Low to Mid-Rise Buildings Where Exterior Glazing is Desired

CRL Accufab Pro Storefront and Curtain Wall Tools

- Accufab Pro Reduces Labor Time and Costs by 50% or More!
- Designed to Accurately and Quickly Locate Shear Block Connectors on U.S. Aluminum Storefront or Curtain Wall Verticals
- Three Sizes: 16', 24', and 32' (4.9, 7.3, and 9.8 m)
- Pneumatic Clamping System (Requires 75 PSI)
- U.S. Patent No. 8,176,610 B1

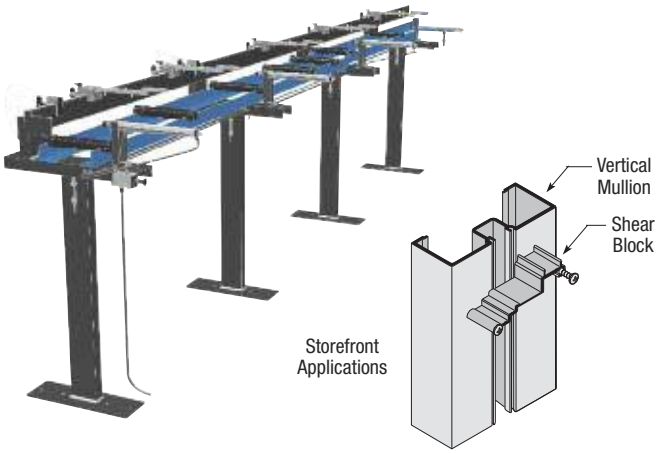
2013 PRODUCT OF THE YEAR USGlass MAGAZINE

CRL US ALUMINUM MANUFACTURED IN THE USA

VIDEO

CRL Accufab Pro Storefront and Curtain Wall Tools are designed to accurately and quickly locate Shear Block Connectors on the vertical members of U.S. Aluminum Curtain Wall, Storefront, and Window Wall Systems. Fabrication time on installing horizontal Shear Blocks to vertical mullions is cut by 50 percent or more. In your shop or on the job site, the new Accufab Pro Tool will eliminate misdrilled fasteners, out-of-level horizontal members, and costly measurement mistakes. The Storefront Tool is supplied with five ACUFST0P Flipstops. The Shear Block Locators must be ordered separately. The Curtain Wall Tools are supplied with seven ACUFST0P Flipstops. The Shear Blocks Locators must be ordered separately. Additional Shear Block Locators to handle a variety of stock extrusion and Shear Block sizes can be easily changed out. The calibrated rear sliding bar allows quick setup and accurate repeatability. Setup and user instructions are included with every CRL Accufab Pro Tool.
NOTE: Self-drilling screws must be used to fasten Shear Blocks to mullions when working with the Accufab Pro Tool. See **crlaurence.com** for specific self-drilling screws to use for each Shear Block. Setup and user instructions are included with every CRL Accufab Pro Tool.

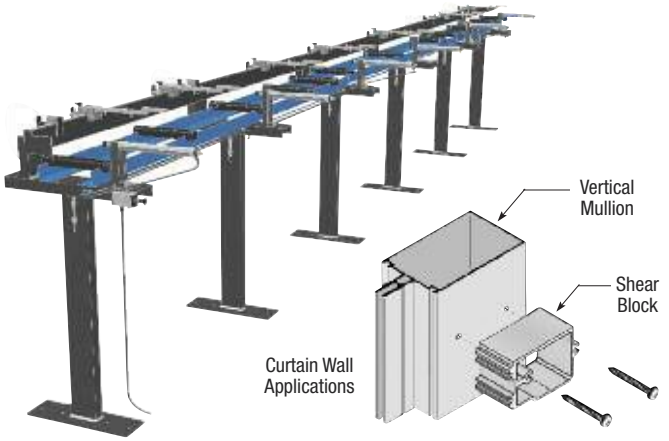
For more information on these CRL Accufab Pro Storefront and Curtain Wall Tools, contact us toll free at (800) 262-5151 from anywhere in the United States and Canada. You can also contact us through email at **usalum@crlaurence.com**.



ACCUFAB PRO STOREFRONT TOOL

CAT. NO.	DESCRIPTION
ACU16	16' (4.9 m) Accufab Pro Storefront Tool
ACUFST0P	Additional Flipstop Assembly
ACUDVD	Accufab Pro Instructional DVD

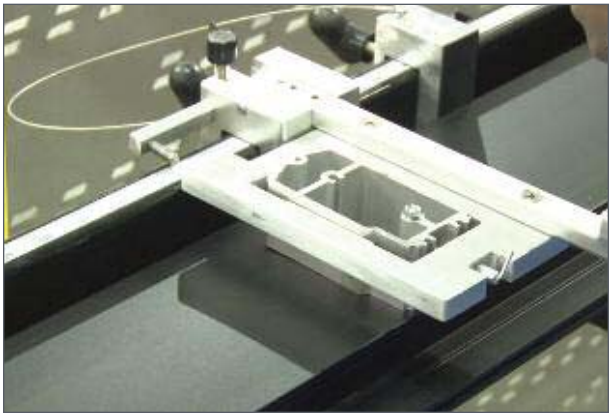
Minimum order: 1 each.
NOTE: Must specify U.S. Aluminum Curtain Wall, Storefront, or Window Wall Series used at time order is placed.



ACCUFAB PRO CURTAIN WALL TOOL

CAT. NO.	DESCRIPTION
ACU24	24' (7.3 m) Accufab Pro Curtain Wall Tool
ACU32	32' (9.8 m) Accufab Pro Curtain Wall Tool
ACUFST0P	Additional Flipstop Assembly
ACUDVD	Accufab Pro Instructional DVD

Minimum order: 1 each.
NOTE: Must specify U.S. Aluminum Curtain Wall, Storefront, or Window Wall Series used at time order is placed.



Shear Block Locator shown with Shear Block, which is purchased separately

Shear Block Locators for different sizes of Shear Blocks are ordered separately. Locators are engineered to precisely position the Shear Blocks on the vertical members, and the use of improper locators may result in the incorrect positioning of the Shear Block, leaving your horizontal members with a less than desirable joining to the vertical members. For assistance in ordering Shear Block Locators, please consult with U.S. Aluminum Technical Sales.

SHEAR BLOCK LOCATORS

CAT. NO.	FITS SHEAR BLOCK	FOR USE WITH USAL SYSTEM
AP403SBL	AP403	400/450 Storefront Horizontal/Sill Anchor
AP202SBL	AP202	2100/2200 with 2-7/8" (73 mm) Back Member
AP204SBL	AP204	2100/2200 with 4" (102 mm) Back Member
AP205SBL	AP205	2100/2200 with 5" (127 mm) Back Member
AP954HSBL	AP954	3150/3250 with 4" (102 mm) Back Member
AP955HSBL	AP955	3150/3250 with 5" (127 mm) Back Member
AP928HSBL	AP928	3150/3250 with 8" (203 mm) Back Member

Minimum order: 1 each.

CRL Hydrapunch™ Machine

- Punches Four Holes at Once in Storefront or Curtain Wall Extrusions
- Reduces Shop Fabrication Time
- Hydraulic Operation - 110 Volts AC

The CRL Hydrapunch™ Machine is a multi-head machine with pre-set dies for quickly and accurately punching holes in the open back vertical mullion/filler of our popular center glazed systems for 1/4" (6 mm) and 1" (25 mm) infills. Simply insert the vertical mullion/filler into the die set, align against the pre-set flip stop, push the pedal and the Hydrapunch™ Machine punches four holes at one time.

No need to measure and drill each hole in CRL/U.S. Aluminum framing systems. Get a perfect fit every time and eliminate the most common fabrication errors. Minimum order is one each. Must ship common carrier.

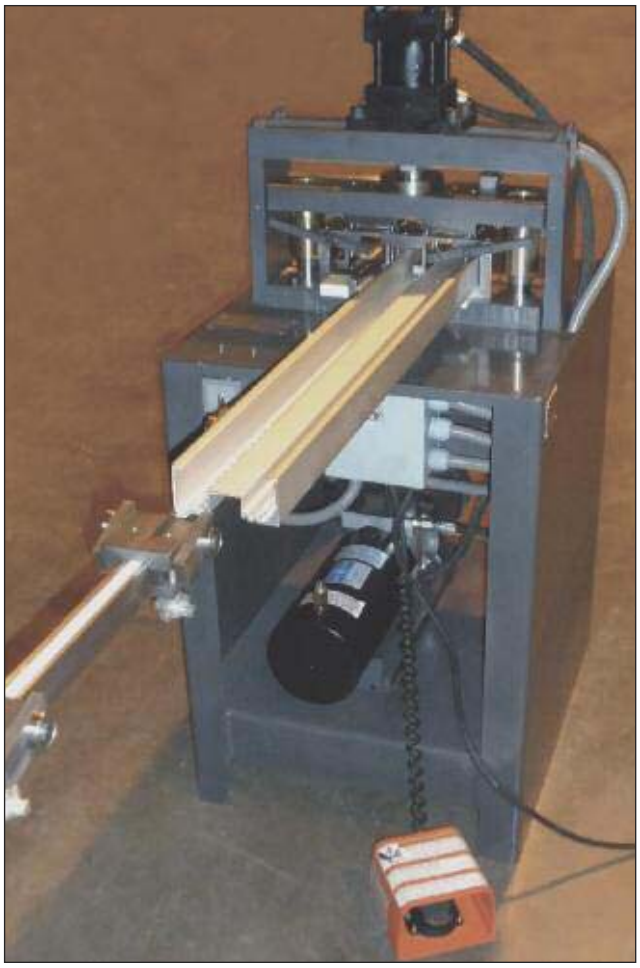
The Hydrapunch™ Machine comes with one Die Set which punches the following U.S. Aluminum Center Glazed Storefront Systems:

Series 400 - 1/4" Glazing
Series 450 - 1/4" Glazing
Series 451 - 1" Glazing
Series IT451 - 1" Glazing

Optional Die Sets for these popular U.S. Aluminum Systems are also available:

Flush Front Systems
Series 2200 Curtain Wall
Series 3150 Curtain Wall
Series 3250 Curtain Wall
Series 4500 Curtain Wall

For additional information contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada.



CAT. NO. HM00100

CRL Phillocraft® Pow-R-Pax® Production Table

- 36" Wide by 96" Long Production Table
- Legs Adjust From 33" to 37" High
- Sturdy 12 Gauge Steel Frame
- Ships K.D.

The Phillocraft® Pow-R-Pax® Production Table is infinitely expandable to meet your current or future needs. Begin with a 96" (2438 mm) starter and expand with 48" (1219 mm) add-ons as your needs grow. The frame is made of heavy 12 gauge "C"-channel steel. The table top is 1" (25 mm) thick hardboard over a high-density flake core. Invisible steel spline clamping bars connect the tops to form a smooth, continuous surface. Adjustable legs allow for the table height to vary from 33" to 37" (838 to 940 mm). The table has a load rating of 100 lbs. (45 kg) per square foot . Frame color is putty. Table ships K.D. and requires some assembly. For additional information contact the CRL Customer Service Department at (800) 421-6144 and ask for Ext. 5275. Minimum order is one each. Must ship common carrier.



CAT. NO. WS3696

Phillocraft and Pow-R-Pax are registered trademarks of Manna Marketing & Development Group, Inc.

CRL-U.S. Aluminum Series 487 OfficeFront™ Partition System

- Center or Offset Glazed, and Designed to Wrap 4-7/8" (124 mm) Walls
- Accepts 1/4", 3/8", 1/2", and 9/16" (6, 10, 12, and 14 mm) Glazing
- Screw Spline or Clip Joinery Available
- 1", 1-1/2", and 2" (25, 38, and 51 mm) Face Trim
- Glass, Aluminum, or Wood Doors Available
- Integrated Sliding Aluminum, Wood, or Glass Doors Available
- Several Stock Finishes Available, With Custom Finishes on Request
- "Positive Pressure" Rated Frames Available for Use With Labeled Wood Doors
- Stock Lengths Available for On Site Fixed Panel Fabrication
- Fully Fabricated Frames Available for Fast and Easy Installation
- All Door Frames Factory Fabricated
- Contributes to LEED® Certification Ratings





U.S. ALUMINUM™ INTERIORPRODUCTS

ONLINE ARCHITECTURAL RESOURCES

Our Series 487 OfficeFront™ Partition Frames for sidelites, doors, clerestory lites, borrowed lites, or continuous glass walls are a great way to divide interior office space and provide acoustical privacy, all while allowing desirable light to enter the indoor spaces and qualify for LEED® (Leadership in Energy and Environment Design) Green Building Rating System™ credit.

CRL-U.S. Aluminum offers a growing variety of OfficeFront™ Partitions and hardware to make state-of-the-art interior office systems available to the glazing industry. Our commitment to our customers is to carry sufficient inventories of popular stock items, and provide short lead times for special orders. It is a total program that will allow your entry into the Interior Office Front Systems market.

For additional information, visit us online at **crlaurence.com/office-partitions** or contact 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 email us at **partitions@crlaurence.com**.

OFFICE PARTITIONS online by CRL

USE MONOLITHIC TEMPERED GLASS

LEED is a registered trademark of U.S. Green Building Council.

CRL-U.S. Aluminum Series 487 OfficeFront™ Partitions With Integrated Top Hung Sliding Doors

- For Use With 1-3/4" (44 mm) Aluminum and Wood Doors or 'All Glass' Doors
- Maximum Door Weight 200 Pounds (90 kg)
- Center Glazed - Accepts 1/4", 3/8", 1/2" and 9/16" (6, 10, 12, and 14 mm) Glazing
- Fully Fabricated Frames Available for Fast and Easy Installation
- Stock Lengths Available for On Site Fixed Panel Fabrication
- Screw Spline or Clip Joinery

NEW!

CRL US ALUMINUM MANUFACTURED IN THE USA

USE MONOLITHIC TEMPERED GLASS

OFFICE PARTITIONS online.CRL

U.S. ALUMINUM™ INTERIORPRODUCTS



The 487 Series Integrated Top Hung Sliding Door is an expansion of our initial 487 Series OfficeFront™ Partitions offering that integrates a top hung sliding system into the 1-1/2" x 5-11/16" (38 x 144 mm) frame. Two separate but similar systems have been created to accommodate both 1-3/4" aluminum and wood doors or 'All Glass' doors weighing up to 200 pounds (90 kg).

For additional information, please visit us online at **crlaurence.com/office-partitions** or contact 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 email us at **partitions@crlaurence.com**.

CRL-U.S. Aluminum Series 487 OfficeFront™ 3" Offset Glazed System

NEW!

- Offset Glazed - Accepts 1/4", 3/8" 1/2", and 9/16" (6, 10, 12, and 14 mm) Glazing
- Accommodates Recessed Window Coverings
- Utilizes Our Standard Stock Door Frames
- All Door Frames Factory Fabricated
- Stock Lengths Available for On Site Fixed Panel Fabrication
- Screw Spline or Clip Joinery

CRL US ALUMINUM MANUFACTURED IN THE USA

USE MONOLITHIC TEMPERED GLASS

U.S. ALUMINUM™ INTERIORPRODUCTS

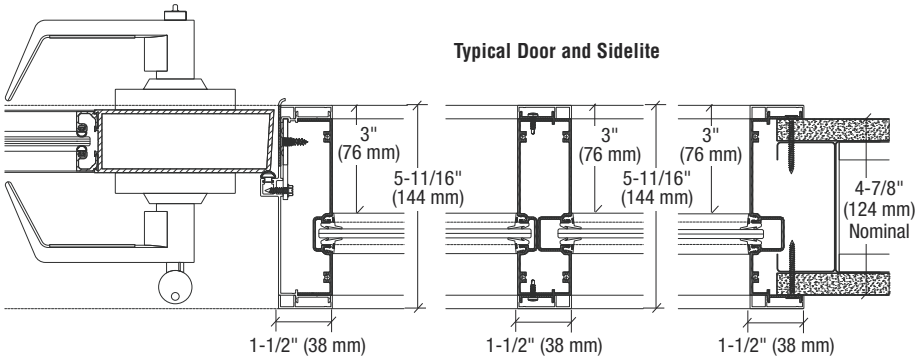


Offset Glazing Allows for Window Coverings

The 487 Series 3" (76 mm) Offset Glazed System offers the same advantages as our 1-1/2" (38 mm) Trim Series with a 1-1/2" x 5-11/16" (38 x 144 mm) frame that accepts a variety of glass thickness in an offset position, allowing for recessed window coverings and blinds.

For additional information, visit us online at **crlaurence.com/office-partitions** or contact 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 email us at **partitions@crlaurence.com**.

Typical Door and Sidelite





CAT. NO. SD16

CRL Frameless Shower Door Hardware and Supplies

- Beautiful Architectural Finishes
- Unequaled Selection
- Huge Inventories
- Innovative Solutions
- Online Services
- Expert Technical Assistance

USE MONOLITHIC TEMPERED GLASS

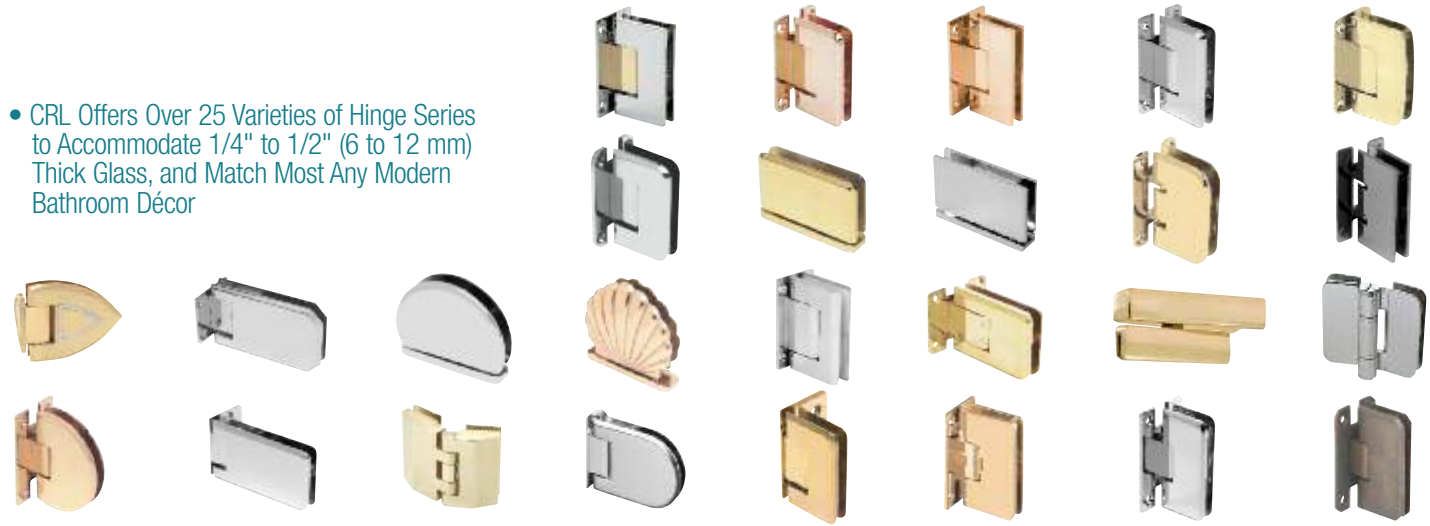
SHOWERS online by CRL

Web-Based Design, Glass Sizing, Quote, and Ordering Program
(See Page T639)

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.

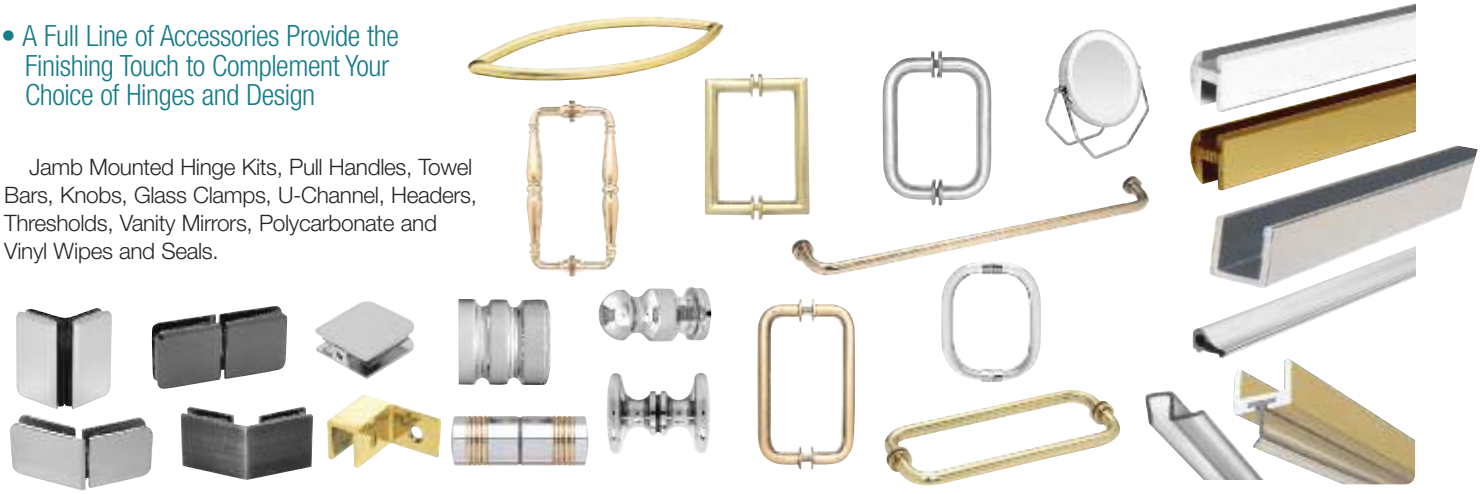
Reacting to the "wish list" of designers and installers has brought about many of the new products that are now part of our extensive selection. Unsurpassed quality combined with technical expertise, full inventories, and the willingness to listen has contributed to create our complete package of quality hardware backed by unequaled service.

- CRL Offers Over 25 Varieties of Hinge Series to Accommodate 1/4" to 1/2" (6 to 12 mm) Thick Glass, and Match Most Any Modern Bathroom Décor



- A Full Line of Accessories Provide the Finishing Touch to Complement Your Choice of Hinges and Design

Jamb Mounted Hinge Kits, Pull Handles, Towel Bars, Knobs, Glass Clamps, U-Channel, Headers, Thresholds, Vanity Mirrors, Polycarbonate and Vinyl Wipes and Seals.



ALSO FROM C.R. LAURENCE

MORE CHOICES
crlaurence.com/shower-sliders

CRL Frameless Showers: Innovative Frameless Systems

Hydroslide Series Sliding Shower Door System

- Excellent Design for Compact Areas





Deluxe Serenity Series Sliding Shower Door System

- Unique Award-Winning Design Gives an Almost Floating Appearance



glass magazine award winner

Essence Series Headerless Sliding Shower Door System

- Beautiful Bottom Rolling System for 1/2" (12 mm) Thick Tempered Glass



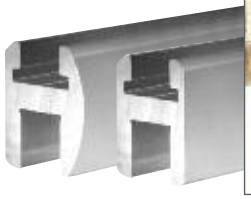
Cottage Series Sliding Shower Door System

- Choice of Clear Polycarbonate or Metal Side Jambs



Deluxe Shower Door Header Kits

- Nearly 20 Beautiful Finishes





Frameless Restroom Partition System

- Custom Built to Your Specifications Using CRL Shower Hardware

USE MONOLITHIC TEMPERED GLASS



TRANSPARA™ Vertically Frameless Shower Door System

NEW!



- Doors Shipped "Ready-to-Install" With Door Rails Factory Bonded to 3/8" (10 mm) Thick Tempered Glass
- Doors Rise 1/8" (3 mm) for Quiet Bottom Seal Operation
- Plus or Minus 1" (25 mm) Door Closing Position Adjustment
- Water Management System in Bottom Pivot, and SDTW Vinyl Wipe Integrated Into Door Rail
- Ceiling/Soffit Mount or Header Mount Options Available
- Stock Door Kit or Custom Door Systems Offered
- Stock Doors Prepped With Holes and Supplied With BM6X6 Model Handle
- Fixed Panels Can Be Supplied by CRL or Customer
- Stocked in Four Popular Finishes



THE ARCHITECT'S NEWSPAPER
BEST OF PRODUCTS AWARDS
Honorable Mention 2016

TRANSPARA™

Patent Pending

STOCK FINISHES:



Brite Anodized | Brite Gold Anodized | Brushed Nickel | Oil Rubbed Bronze

The new Transpara™ Shower Door System offers a truly all-glass aesthetic by being able to handle large glass lites without the need for door hinges or vertical framing. This produces uninterrupted glass visuals that are further enhanced by sleek, low-profile door rails. Matching U-Channel on adjacent fixed panels maintain a continuous sightline across the entire enclosure. With visible hardware being only 3/4" (19 mm) high, Transpara™ delivers the best in contemporary design.

Appearances can be deceiving; despite having minimal hardware, the thin frames come equipped with innovative performance features. They include a water management system that is integrated into the closing mechanism, and a four-component fitting that uses the weight of the door itself to close. The installer-friendly door comes factory pre-glazed, and requires only two screws to install the bottom pivot.

MODEL TRA2884
Ready-to-Install Stock Door Kit
28" x 84" (711 x 2134 mm)

INCLUDES:

- Top Pivot
- Bottom Pivot Set with Mounting Fasteners and Expansion Anchors
- Top and Bottom Rails Bonded Onto the 3/8" (10 mm) Glass Door, with Bushing Pre-installed in the Top Rail, and Pivot Pin and Self-Closing Mechanism in the Bottom Rail
- Four End Caps Bonded Into Place
- BM6X6 Model Tubular Back-to-Back Pull Handle



ITEMS ORDERED SEPARATELY:

- Fixed Panel Glass
- TRA1516UC Fixed Panel U-Channel
- TRAUCEC1 U-Channel End Caps
- Vertical Seals
- SQH980 Header and TRAHPR1 Pivot Retainer Block (if necessary)

MODEL TRAC1
Custom TRANSPARA™ System

Please allow CRL to assist you by constructing a Custom Transpara™ Vertically Frameless Shower Door System. By submitting a drawing of the enclosure opening, complete with dimensions, angles, out of square, out of level, and other pertinent information, our Shower Door Technical Department can work to create a quotation for your review. Please email your drawing to **showers@crlaurence.com**, or for questions please contact us at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 Internationally, and ask for our Shower Door Technical Department at ext. 7740

SPECIFICATIONS:

Door Glass Thickness:
3/8" (10 mm) Tempered Safety Glass
Construction: Extruded Aluminum
Door Swing: Full Rotation
Closing Type: Self Closing When Within 45 Degrees of Closed Position
No Cut-Out Required

MAXIMUM CAPACITIES:

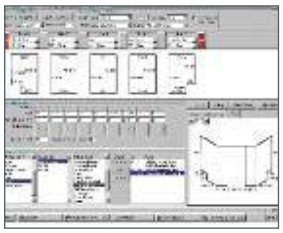
Door Weight: 100 lbs/45 kg
Door Width: 31"/787 mm
(Do not exceed either Door Weight or Door Width)



SHOWERS ONLINE® Complete Estimating Software Solution

- Revolutionary Program Generates "Go" Glass Sizes From Your Field Measurements
- Web-Based So You Have 24 Hour Access
- Sizes for Shower Enclosures Can Be Completed in Just a Few Minutes
- Upon Completion of Data Entry, Simply Push the "Print" Icon to Generate Complete Glass Sizes and Their Templates
- You Have the Ability to Change the Default Deductions for Glass Sizing
- Continued Upgrades to Program Occur at No Extra Expense
- Regular Tutorial Webinar to Introduce Program Effectiveness

SHOWERS online by CRL



GO TO CRLAURENCE.COM/ONLINE-APPS TO ATTEND A WEBINAR AND RECEIVE YOUR FREE 30 DAY TRIAL



Contact CRL Technical Sales with all your engineering and design needs. Call (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can also send an email to **showers@crlaurence.com**.

Technical Assistance and Design Criteria

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 a design or plan 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.

Contact CRL Technical Sales with all your engineering and design needs. Call (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can also send an email to **showers@crlaurence.com**.

CRL Frameless Shower Door Catalog Library and Online Reference Resources



Go to **crlaurence.com** and enter **frameless-showers** in the search box.



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

ONLINE ARCHITECTURAL RESOURCES



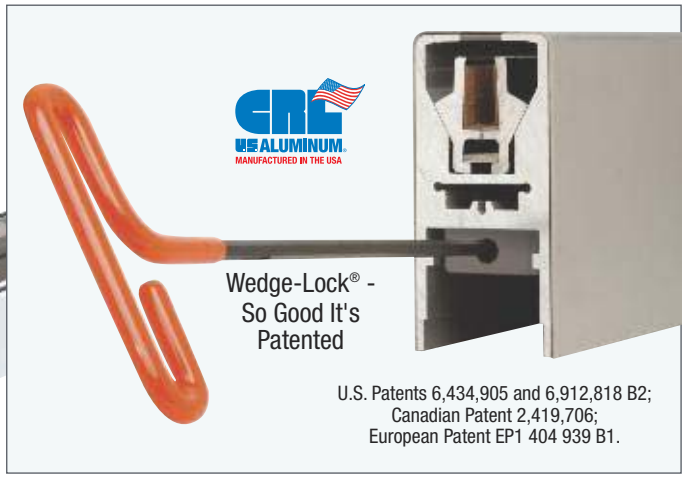
10", 6", and 4" Square | 4" Tapered | 2-5/16" Square Low Profile | 2-5/16" Tapered Low Profile

Full Length Door Rails

- Three Standard Heights Plus Low Profile Rails
- Six Standard Finishes Plus Custom Finishes on Special Order



Black Anodized | Polished Brass | Brushed Stainless | Polished Stainless | Dark Bronze Anodized | Satin Anodized



Wedge-Lock® - So Good It's Patented

U.S. Patents 6,434,905 and 6,912,818 B2; Canadian Patent 2,419,706; European Patent EP1 404 939 B1.

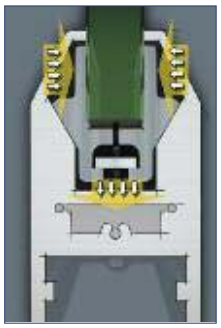
We are proud of our DRS Door Rail System with our patented Wedge-Lock® Glass Securing System. Our Rails feature the Kwik-Adjust™ Pivot Alignment System, which allows the installer to quickly and easily adjust the lateral alignment of the pivot centers by simply turning a single screw in either the top or bottom rail of the door.

Our entire DRS Line of 2-5/16", 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 door 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.

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. You can also e-mail us at **architectural@crlaurence.com**.

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; Canadian Patent 2,419,706; European Patent EP1 404 939 B1.

Features of the CRL Wedge-Lock® Door Rail System

ONLINE ARCHITECTURAL RESOURCES

- 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
- Kwik-Adjust™ Pivot Alignment System 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



Wedge-Lock® Ordering Options

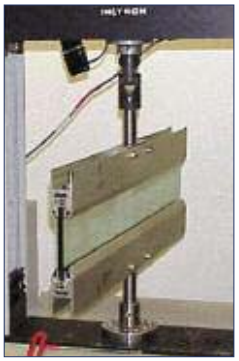


- Available With or Without a Lock
- Rails Stocked for 3/8", 1/2", and 3/4" (10, 12, and 19 mm) Tempered Glass
- Up to Six Stock Finishes Available in 2-5/16", 4", 6", and 10" (59, 102, 152, and 254 mm) Heights
- Custom Sizes and Finishes Also Available

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 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.

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.

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. You can send an e-mail to **architectural@crlaurence.com**.

Online Estimating Software: Start Saving Time and Money

Web-Based Design, Estimating, Quoting, and Ordering Programs

- Giving You the Advanced Tools for Your Evolving Business Needs

Join the growing number of designers and installers that are using CRL Online Design, Estimating, and Ordering Programs to save time and money.

- **Can Now be Used on the Job Site Using Your Mobile Device**
- **Produces a Complete Quote Package Instantly**
- **Program Runs on CRL Web Servers**
- **Produces a Full Color 3D Rendering and Dimensioned Plan View for Field Installation**
- **Allows You to Order Material Directly From the Program**
- **Determines All Material Quantities Needed for Each Project**
- **Generates Quotes / Orders in Minutes**
- **Produces All of the Glass Sizes Needed for Your Job**



Request Your **FREE** Trial Today
crlaurence.com/online-apps

TOLL Phone: (800) 421-6144
FREE Fax: (800) 262-3299
From Anywhere in the U.S. or Canada

CRL US ALUMINUM

CRL Sidelite Rails and U-Channel

CRL Sidelite Rails With Top Load Roll-In Gasket

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

USE MONOLITHIC TEMPERED GLASS



ONLINE ARCHITECTURAL RESOURCES



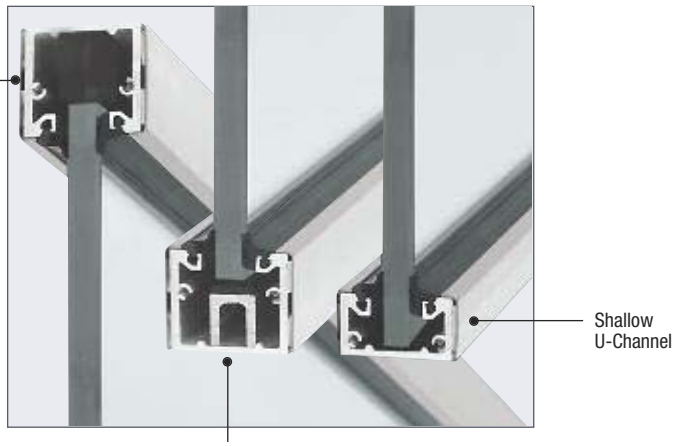
10" Square | 6" Square | 4" Square | 4" Tapered | 2-5/16" Square Low Profile | 2-5/16" Tapered Low Profile

CRL Combination Wide U-Channel and Narrow Header

ONLINE ARCHITECTURAL RESOURCES

- Available in Stock Lengths, Fabricated Headers, or Headers With Side Pockets for "Lift and Drop" Panel Glazing
- Matches the Width of Our Door and Sidelite Rails
- Accepts Roll-In Gasket, Top Pivot Block, and Flush Snap-In Insert
- Accepts 3/8", 1/2", 5/8", and 3/4" (10, 12, 16, and 19 mm) Tempered Glass
- Eleven Architectural Finishes
- Custom Sizes and Finishes Available

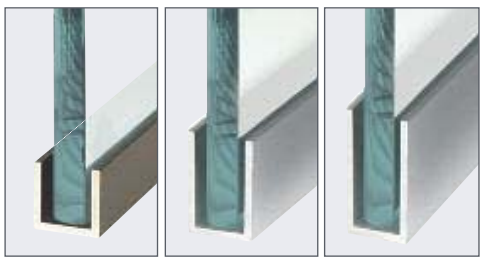
USE MONOLITHIC TEMPERED GLASS



CRL Regular and Shallow U-Channels With Top Load Roll-In Gasket

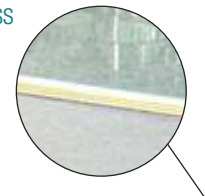
- Accepts 3/8" or 1/2" (10 or 12 mm) Tempered Glass
- Both Depths Available in Six Standard Architectural Finishes

CRL Wet/Dry Glaze U-Channels



Wet/Dry Glaze U-Channels

- Accepts 3/8" or 1/2" (10 or 12 mm) Tempered Glass
- Offered in Three Standard Heights
- 120" and 240" (3.05 and 6.10 m) Stock Lengths Available in Six Finishes
- End Caps and Custom Finishes Available



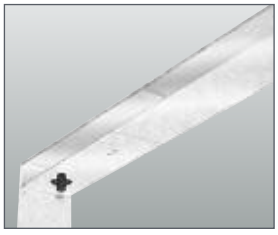
Wet Glaze U-Channel



CRL Commercial Glass Door Accessories

CRL Stock Size Headers for Overhead Concealed Door Closers

- Five Stock Architectural Finishes
- Includes Snap-In Cover Plates
- 4" and 4-1/2" (102 and 114 mm) Widths



Typical Installation Showing Exposed Spindle of Overhead Closer



36" (914 mm) Single Door | 72" (1829 mm) Double Door | Custom Lengths

CRL Custom Length Door Headers With Glazing Pocket

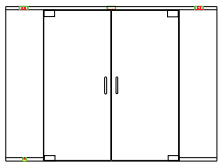


Fixed Panel Section With Glazing Gasket



Header Section

- Five Stock Finishes
- Available in 4" and 4-1/2" (102 and 114 mm) Widths for 3/8", 1/2", 5/8", and 3/4" (10 to 19 mm) Tempered Glass



Typical Double Glass Doors with Sidelites

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
- Provides Almost Invisible Look
- 36" and 72" (914 and 1829 mm) Stock Sizes



CRL Floating Headers for Overhead Concealed Door Closers

- Available for 1/2" (12 mm) Glass-to-Glass or Glass-to-Wall Installations With or Without Overhead Concealed Door Closers
- Stock 36" (914 mm) Single and 72" (1829 mm) Double Headers, With Custom Sizes Available
- Available in Five Stock Architectural Finishes



CRL Hat Channel for Fixed Glazing

- White Finish to Match Ceiling "T" Bar
- Accepts 3/8" or 1/2" (10 or 12 mm) Tempered Glass
- Glass Secured With Silicone Sealant or Roll-in Glazing Vinyl
- 120" and 240" (3.05 and 6.10 m) Stock Lengths



Technical Assistance for Architectural Hardware, Including Our Blumcraft Brand

Live consultation by phone is available from 6:00 am to 5:00 pm (Pacific Time) Monday through Friday, and 7:00 and 12:00 pm on Saturday.



CRL Has a Complete Door Closer Program

- Overhead Concealed, Floor Mounted, and Surface Mounted
- Trusted Brands: CRL, Jackson®, DORMA®, Rixson®, LCN®, and Norton®
- A Complete Selection of Accessories

We offer the glazing and architectural building industries the largest variety of door closers and mounting accessories for commercial, institutional, and residential use. It's a comprehensive program that will suit the needs of anyone looking for quality made and top performing door control products. Plus we offer installation assistance online and over the phone. It's a total package intended to persuade you to make CRL your door closer supplier of choice. For more information, to place an order, or request a quote, contact CRL-Jackson Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International or visit our web site at crlaurence.com/door-closers.



CRL Jackson® Overhead
Concealed Door Closer, Arm and Pivot Packages



CRL Adjustable Spring Power Surface
Mounted Door Closers



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



Dorma® BTS80 Series
Floor Mounted Door Closers



Norton® 5700 Series Low Energy Power
Door Operator



Norton® 7900 Series Overhead
Concealed Door Closers



Rixson® 27 Series Offset
Floor Mounted Closers



LCN® 27 4040XP Series
Surface Mounted Door Closers



LCN® 2030 Series Overhead
Concealed Door Closers

DORMA is a registered trademark of DORMA Properties, Inc.
Rixson and Norton are a registered trademarks of Yale Security, Inc., an ASSA ABLOY Group Company.
LCN is a registered trademark of Ingersoll Rand, plc.

CRL Architectural Hardware

- Structural Glass Fittings
- Monumental and Balanced Doors
- Bi-Folding Doors and Walls
- Commercial Patch Hardware

USE MONOLITHIC TEMPERED GLASS

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 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.



Structural Glass Fittings

For more information, go to **crlaurence.com/entrance-systems** or contact CRL's Technical Sales Department at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can also e-mail us at **architectural@crlaurence.com**.



Monumental Balanced Doors



Bi-Folding Doors and Walls



Patch Fittings



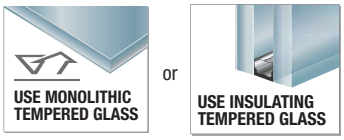
Full Framed Balanced Doors

CRL Heavy Glass Sliding and Stacking Door Systems

- Systems for Use With 1/4" to 1" (6 to 25 mm) Monolithic Tempered Glass and 1" to 1-1/4" (25 to 32 mm) Insulating Tempered Glass
- Top Hung or Bottom Rolling Configurations for Commercial and Residential Use
- Sliding, Stacking, and Bi-Folding 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 US ALUMINUM MANUFACTURED IN THE USA

CRL Heavy Glass Sliding and Stacking 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. Visit our web site at **crlaurence.com/sliding-glass-doors** and you will see many of the CRL Door Systems that can help you construct doors that function well and allow you to maximize the advantages 'all-glass' doors offer.





Monterey Bi-Folding Door and Wall System



Light Duty Stacking Partition System Shown with Doors Stacked Neatly Aside



Overhead Track Bi-Fold Track System for Glass Doors



Laguna Series Sliding Glass Door System

Bring the Outdoors In With the Monterey Bi-Folding Door and Wall System From CRL

MONTEREY™
Bi-Folding Door and Wall System
Interior and Exterior
By C.R. Laurence Co., Inc. / U.S. Aluminum



- Weather Resistant, Designed for Interior/Exterior Use
- New Construction or Retrofit, Commercial and Residential
- Simple to Operate Panels Open or Close Easily
- Several Configurations With Inward or Outward Opening Options Available
- Virtually Limitless Design Options
- Wood Grain, White, and Black Powder Coat, Satin and Black/Bronze Anodized. Custom Colors Available on Special Order
- Fully Assembled, Ready for Glazing



or



The Monterey Series Bi-Folding Door and Wall System allows you to bring the outdoors inside while providing resistance to undesirable weather conditions. Countless options are available to create large living spaces that seamlessly transition outdoors to indoors.

Our precision engineered components provide a system that slides smoothly with minimal effort. Design options are virtually limitless. The sturdy, yet slim frame construction allows for more glass and less metal. A thermally broken frame option offers improved acoustics and energy savings.

The Monterey Series is designed for use with 1/4" to 1-1/4" (6 to 32 mm) glazing. Standard finishes are Wood Grain, White, and Black Powder Coat; Satin and Black/Bronze Anodized. Custom colors are available on special order.



The versatile Pivoting Panel Option gives you the flexibility to fully or partially open the Monterey Bi-Folding Wall.

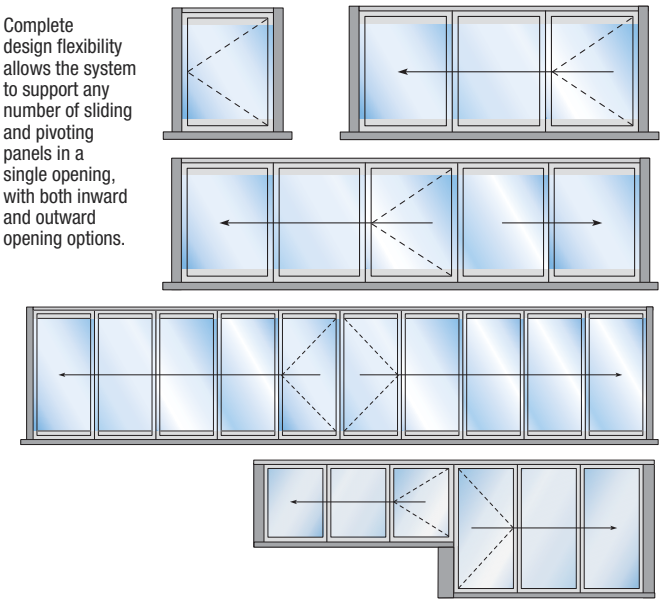


Most Innovative Door

CRL Technical Sales is your source for detailed information on the Monterey System, 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.

You can send us an e-mail at **partitions@crlaurence.com**.

Complete design flexibility allows the system to support any number of sliding and pivoting panels in a single opening, with both inward and outward opening options.



CRL Monterey Bi-Folding Door and Wall System

- **Commercial Applications:**
  Hotels, Resorts, Restaurants, Sports Venues, Malls, Casinos, Spas, Banquet Halls, Banks, Offices, Wineries, Airports

- **Residential Applications:**
  Patios, Balconies, Exercise Rooms, Sunrooms, Room Dividers

CRL U.S. Aluminum Monterey Bi-Folding Door and Wall System is an effective way to maximize the available space in residential or commercial properties, while maintaining aesthetic appeal by creating a stunning space with brilliant transparency. The Monterey allows you to bring the outdoors in while providing resistance to undesirable weather conditions. Countless options are available to create large living or functional spaces that seamlessly transition outdoors to indoors.

Our precision engineered components provide a system that slides smoothly with minimal effort while supporting multiple panels in a single opening. The Monterey Series provides security with two point interior lever latches as standard, and with three point keyed locks available on some configurations.

Every Monterey System produced must meet strict quality assurance standards and testing to ensure they meet or exceed cycle testing, water, air or sound infiltration requirements for residential and commercial applications.

The Monterey Systems have also met or surpassed UK building codes and testing. Test reports are available at **crlaurence.com/monterey**.



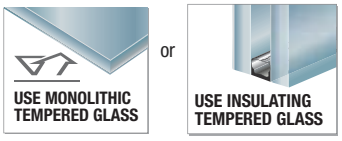


Santa Anita Park Thoroughbred Race Track. Arcadia, CA

SPECIFICATIONS	MONTEREY SERIES S55	S55R	S80	S80R
Available in Five Standard Finishes	Yes	Yes	Yes	Yes
Custom Finishes Available	Yes	Yes	Yes	Yes
Bi-Color Profiles	Yes	Yes	Yes	Yes
Thermally Broken	No	No	Yes	Yes
Top Hung Easy Glide Rollers	Yes	Yes	Yes	Yes
Monolithic-1/4", 3/8" or 1/2" (6, 10 or 12 mm); Insulating 1" (25 mm)	Yes	Yes	No	No
Insulating Units 1" and 1-1/4" (25 and 32 mm)	No	No	Yes	Yes
Maximum Leaf Width	39" (991 mm)	39" (991 mm)	39" (991 mm)	39" (991 mm)
Maximum Weight	100 Lbs (45 kg)	154 Lbs (70 kg)	100 Lbs (45 kg)	154 Lbs (70 kg)
Maximum Height Interior	13'-6" (4.1 m)	13'-6" (4.1 m)	13'-6" (4.1 m)	13'-6" (4.1 m)
Maximum Height Exterior	10'-6" (3.2 m)	10'-6" (3.2 m)	10'-6" (3.2 m)	10'-6" (3.2 m)
2 Point Lever Latch	Yes	Yes	Yes	Yes
3 Point Keyed Lock	Yes	Yes	Yes	Yes
NFRC-Rated*	*	*	*	*
Raised Sill	Yes	Yes	Yes	Yes
Flush Mount Sill	Yes	Yes	Yes	Yes

* Contact CRL Technical Sales for current details

MONTEREY™
Bi-Folding Door and Wall System
Interior and Exterior
By C.R. Laurence Co., Inc. / U.S. Aluminum





CRL Monterey S55 Series

- Swing Door Option for Easy Access
- Fully Assembled With or Without Glazing
- Five Finishes in Stock; Hundreds More Available on Special Order
- New Construction or Retrofit



The Monterey S55 Series accommodates 1/4", 3/8" or 1/2" (6, 10, or 12 mm) monolithic or 1" (25 mm) insulating glazing. Panels come standard with interior two point lever latches, and have an option for three point keyed locks for added security and access from the exterior.

Each unit includes all the necessary hardware for a complete installation; you just supply the glass, or if you prefer, ask CRL to supply fully glazed. Compensating channels come standard to ensure a plumb and level installation.

The S55 System is very easy to install and user friendly to operate. Complete installation instructions come with every unit, as well as end user care and maintenance instructions to ensure years of reliable service.

Standard finishes are White, Black, or Wood Grain Powder Coat; Satin and Black/Bronze Anodized. Standard RAL color powder coat finishes,as well as custom KYNAR® finishes, are available on special order.

CRL Monterey S55R Series

- Reinforced for Taller Doors



or



MONTEREY™
Bi-Folding Door and Wall System
Interior and Exterior By C.R. Laurence Co., Inc. / U.S. Aluminum

The Monterey S55R Series allows for taller monumental doors. Similar to the S55 Series, the S55R utilizes an additional vertical mullion between panels at every roller joint to allow for extra rollers to carry the increased weight of the doors.



Top



Bottom









Monterey is an excellent choice for office dividers

KYNAR is a registered trademark of Arkema, Inc.

CRL Monterey S80 Series

MONTEREY™ Bi-Folding Door and Wall System Interior and Exterior By C.R. Laurence Co., Inc. / U.S. Aluminum

- Thermally Broken
- Flexibility to Fully or Partially Open
- Fully Assembled With or Without Glazing
- Almost Seamless Transition
- Installation Hardware Included

The Monterey S80 Series accommodates 1" or 1-1/4" (25 or 32 mm) insulating glazing. All extrusions are thermally broken for superior thermal performance. Each unit includes all the necessary hardware for a complete installation; you just supply the glazing, or if you prefer, ask CRL to supply fully glazed. Panels come standard with interior two point lever latches and have an option for three point keyed locks for added security and access from the exterior.

The S80 System comes standard with compensating channels to ensure a plumb and level installation. Complete installation instructions come with every unit as well as end user care and maintenance instructions to ensure years of reliable service.

Standard finishes available are White, Black, or Wood Grain Powder Coat; Satin and Black/Bronze Anodized. Standard RAL color powder coat finishes, as well as custom KYNAR® finishes, are available on special order.



CRL Monterey S80R Series

- Reinforced for Taller Doors

The Monterey S80R Series allows for taller monumental doors. Similar to the S80 Series, the S80R utilizes an additional vertical mullion between panels at every roller joint to allow for extra rollers to carry the increased weight of the doors.




Top Roller


Hinge


Flush Sill


Raised Sill

KYNAR is a registered trademark of Arkema, Inc.

CRL Baywood™ Horizontal Retractable Screen Door System

NEW!

- Durable, High Quality Pleated Screen
- Up to 50 Feet Wide and 10 Feet Tall
- Stainless Steel Components
- Easy Interior or Exterior Installation, Jamb or Face Mount
- Standard Finishes: Black, White, and Driftwood Powder Coat
- Custom Powder Coat and Anodized Finishes Available Upon Request



Open Up Your Space and Invite the Outdoors In!

The New CRL Baywood™ Horizontal Retractable Screen Door System is now available for use with all CRL Monterey Bi-Folding Doors, CRL-U.S. Aluminum Series 900 Terrace Doors, or just about any opening you may have.

Baywood™ Screens are manufactured to size and ready to install, no cutting required. They easily mount to the inside jamb of the opening, or if tight on space, a face mount frame is also available. The matching finish bottom guide adheres to most floors, including rough tile and hardwood. The pleated screen is durable, yet sheer enough to allow excellent visibility.

For additional information contact our Technical Sales Staff at (800) 421-6144 in the U.S., (877) 421-6144 from Canada or (323) 588-1281 International. You can also e-mail us at **partitions@crlaurence.com**.





CRL's Versatile SPS Stacking Partition System Featuring Intelli-Track®

STACKING PARTITION SYSTEM BY C.R. LAURENCE COMPANY

- 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 most versatile option for 'all-glass' walls and partitions is CRL's patented 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. You can send us an e-mail at **partitions@crlaurence.com**.

VIDEO

U.S. ALUMINUM MANUFACTURED IN THE USA

U.S. Patents 8,261,500 B2 and 8,590,233 B2



For more information on Stacking Partition Systems go to **crlaurence.com/sps**



Santa Anita Park Thoroughbred Race Track. Arcadia, CA

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

KYNAR is a registered trademark of Arkema, Inc.

CRL SPS Stacking Partition System Featuring Intelli-Track®

- Intelli-Track® 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) Tempered Glass
- Many Custom Finishes Available
- Overhead 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 Staff to Assist You in Planning Your Installation

SPS
STACKING PARTITION SYSTEM BY C.R. LAURENCE COMPANY

CRL US ALUMINUM MANUFACTURED IN THE USA
U.S. Patents 8,261,500 B2 and 8,590,233 B2

VIDEO



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.

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 finish intersections. A variety of Door Rail configurations and finishes 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. You can also send us an e-mail at **partitions@crlaurence.com**.







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

USE MONOLITHIC TEMPERED GLASS

CRL Laguna Series Sliding Glass Door System With Anti-Lift Safety Features

- New "Softbrake" Braking System Option for Quiet Closure
- Anti-Lift Feature for Added Safety
- Alloy 316 Brushed Stainless Steel Construction
- Ideal for Commercial or Residential 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
- Kits Also Available for Wood Door Applications









Typical Wall Mount Installation

We have upgraded our popular Laguna Series Sliding Glass Door System to now include an a NEW 'Softbrake' Braking Feature. Through a combination of additions and very subtle changes, we have improved the performance and safety of the system. 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 and can easily be secured using our Cat. No. SW19 or LSSW1 Spanner Head Wrenches.

Standardized sets allow you to make planning and purchasing quick and easy for basic installations. We offer four different kits; 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. We also offer an Adapter Kit, Cat. No. LSWMADT, to convert these Laguna Kits for use with wood doors. All components are sized to easily ship via UPS, which helps to keep your job costs and lead times down.

For more information go to **crlaurence.com/laguna** or contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can also e-mail us at **partitions@crlaurence.com**.

DOOR SYSTEM LIMITATIONS	
Maximum Door Weight:	220 lbs. (100 kg)
Minimum Door Width:	37-13/16" (960 mm)
Maximum Door Width:	53-9/16" (1.36 m)
Maximum Door Height:	98-7/16" (2.50 m)

NOTE: Laminated glass cannot be used in these systems.



Typical Glass Mount Installation

CRL Heavy Glass Top Hung Sliding Door Systems



- Models for Single and Double Doors, Synchonized Bi-Parting Doors, Telescoping Doors, With or Without Fixed Sidelites
- Systems That Can Be Wall, Ceiling, or Glass Mounted
- For Use With 5/16", 3/8" or 1/2" (8,10 or 12 mm) Tempered Glass
- Select Models Available With 'Softbrake' Braking System

CRL offers a wide variety of Top Hung Heavy Glass Sliding Door Systems for commercial and residential use. All are designed to be easy to install, operate, and most of all, safe, even in high traffic circumstances.

These Top Hung Door Systems require no bottom track for an 'all-glass' look, and all have smooth sliding action allowing for finger touch control. Select models now feature our new 'Softbrake' Braking System.

Choose from several architectural finishes and systems with or without fixed panels and/or transoms.

For additional information contact our Technical Sales Staff at (800) 421-6144 in the U.S., (877) 421-6144 from Canada or (323) 588-1281 International. You can also e-mail us Zm **partitions@crlaurence.com.**







CRL GRS Glass Railing Systems

C.R. Laurence's offering to the Glass Railing Market is typical of the approach used in our other heavy glass product lines, such as our popular DRS Door Rail System for commercial hardware, or our vast line of Frameless Shower Door Hardware and Supplies. The lesson learned is that our customers (and their customers) enjoy options.

The CRL GRS Glass Rail System does just that. The TAPER-LOC® Dry Glaze System for mounting heavy glass into base shoe has been one of our most well received innovations. Shown below are a few of the key advantages to the Dry Glaze System.

And for those who prefer to use, or are familiar with, the Wet Glaze System of pouring cement to mount heavy glass into base shoe, we offer that as well, with some new and improved features.



VIDEO

U.S. Patents 8,122,654 and 8,201,366.
Commonwealth of Australia
Patent No. 2008207524 and 2012202256

TAPER-LOC X
DRY GLAZE RAILING SYSTEM

TAPER-LOC X1
DRY GLAZE RAILING SYSTEM

TAPER-LOC® Dry Glaze System

- Fast, Affordable, Flexible, and Removable, This System Offers All This and More!
- Taper Designs to Meet All Commercial and Residential Applications Using Monolithic Tempered Glass and Laminated Glass for Interior and Exterior Applications
- Dry Glazing Means Installation Time is Reduced by 50 Percent Because There's No Mixing or Clean-Up of Messy Cement
- The First and Only ICC-Approved Glass Railing System
- TAPER-LOC® Meets and Exceeds Code Standards, and is Miami-Dade County Certified and IBC Compliant
- Engineering and Testing Reports Available at **crlaurence.com/test-reports**



TAPER-LOC 'X'
Tapers for Monolithic Tempered Glass



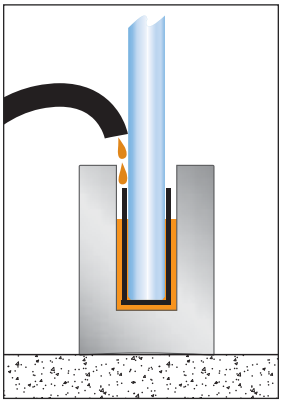
TAPER-LOC X1
Tapers for Laminated Tempered Glass



TAPER-LOC 3X
Tapers for Glass Windbreaks and Pool Fences

Wet Glaze System

- A Tried and True Method to Secure Lites of Glass Into Base Shoe
- Utilizes the CRL Wet Glaze Pump Kit to Deliver Expanding Cement for Bonding Strength
- CRL Offers a Full Set of Tools and Accessories for You to Complete the Job





ALSO FROM C.R. LAURENCE

MORE CHOICES
crlaurence.com/base-shoe

CRL Heavy Aluminum Base Shoe for Monolithic Tempered Glass

- For 1/2", 5/8", and 3/4" (12, 15, and 19 mm) Thick Tempered Glass



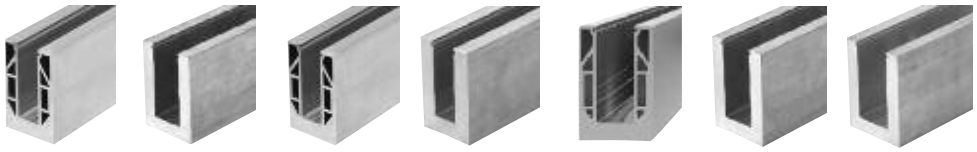


8B Series | B5S Series | B5A Series | B5T Series | B5L Series | 8B58 Series | B6N Series | 8B34 Series | B7S Series

CRL Heavy Aluminum Base Shoe for Laminated Tempered Glass

- For 9/16", 11/16", 27/32", and 1-1/16" (13.52, 17.52, 21.52, and 25.52 mm) Thick Laminated Glass



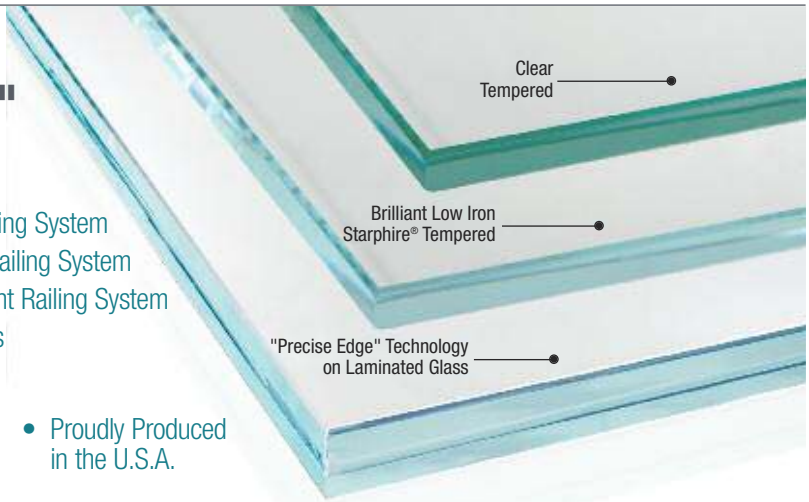


9BL21 Series | L21S Series | 9BL56 Series | L56S Series | 9BL68 Series | L68S Series | L25S Series

CRL Monolithic Tempered and Laminated Tempered "Rail Glass"

For Use With These Railing Systems

- ARS Aluminum Railing System
- P-Series Post Railing System
- SRS Standoff Railing System
- AWS Aluminum Windscreen System
- GRS Glass Railing System
- WRS Welded Railing System
- CRS Component Railing System
- Swinging Gates



- Proudly Produced in the U.S.A.





- Glass Options for Any Railing or Windscreen Application
- Five Standard Monolithic Glass Thicknesses to Choose From
- Clear Tempered and Low Iron (Starphire®) Glass Types Available
- All Glass Panels Ship Cut and Tempered, Ready to Install
- Custom Sizes, Fabrication, Drilling, and Edge Work Also Available
- Laminated Clear Tempered and Low Iron Starphire® Glass Types Available
- Flat Polished Edges With CRL's "Precise Edge" Technology
- Custom Sizes, Fabrication, and Edge Work is Also Available
- Meets IBC 2015 Building Code Requirements

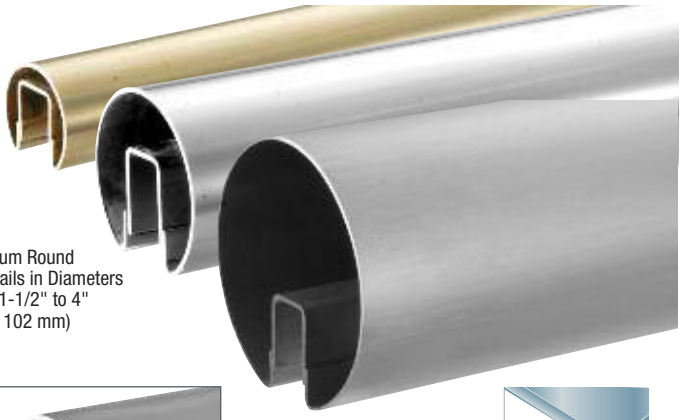
Starphire is a registered trademark of PPG Industries Ohio, Inc.

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 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, You can also e-mail us at **railings@crlaurence.com**.



Premium Round Cap Rails in Diameters From 1-1/2" to 4" (38 to 102 mm)

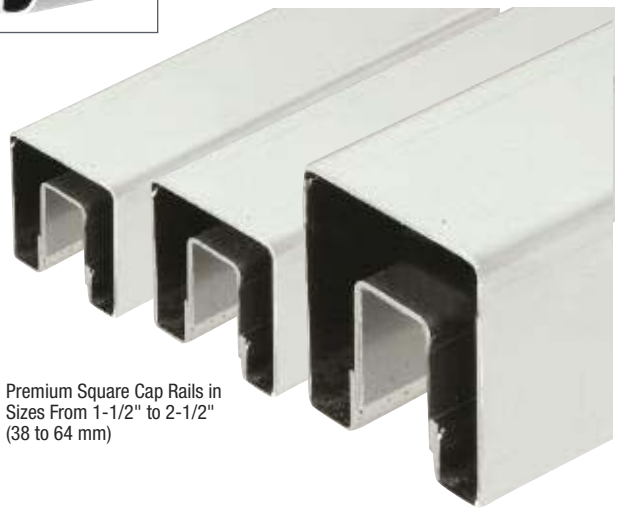


Oval Rails



- A Full Line of Accessories to Complete the Installation

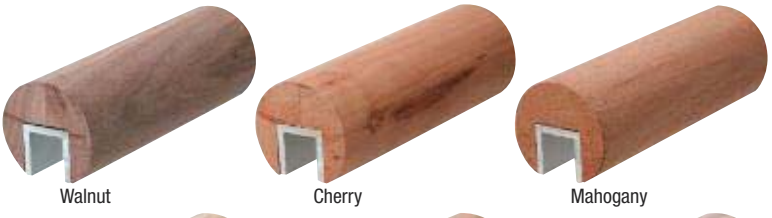




Premium Square Cap Rails in Sizes From 1-1/2" to 2-1/2" (38 to 64 mm)

CRL Wood Cap Rails for 1/2" (12 mm), 5/8" (16 mm) or 3/4" (19 mm) Glass

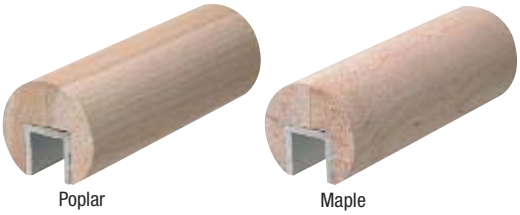
- 10 Foot (3.05 m) Stock Lengths Available in a Variety of Hardwoods
- Extruded Aluminum Interior Glass Pocket
- Custom Ordered to Meet Your Specific Needs
- Custom Diameters and Shapes Available



Walnut | Cherry | Mahogany



White Oak | Red Oak | Ash



Poplar | Maple

CRL Wood Cap Rails are produced to the customer's specifications, and can be fully fabricated or shipped in 10 foot (3.05 m) stock 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. You can also e-mail us at **railings@crlaurence.com**.



CRL Roll Formed Cap Rails for Monolithic Tempered and Laminated Tempered Glass



or



- For 1/2" to 27/32" (12 to 21.52 mm) Glass
- High Grade Alloy 316 Stainless Steel
- 19'-8" (5.99 m) Stock Lengths Available in Two Architectural Finishes
- Designed for Interior or Exterior Applications
- Connect to Fabricated Corners and End Caps
- Cut to Size, Custom Fabricated Lengths, and Custom Finishes Available on Special Order

CRL Roll Formed Cap Rails offer a less expensive alternative over our Premium Cap Rails, but still maintain the look and performance required in a glass railing system. Both Cap Rails support a wide range of glass thicknesses by using different Cap Rail Protective Rubber Inserts (see below).

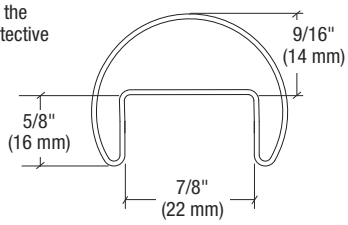
All CRL Roll Formed Cap Rails are made using precision tooling to maintain uniform diameters, allowing for smooth hairline transitions at splices, corners, and end caps. Use only our specified Roll Formed Cap Railing Connector Sleeves, along with Cat. No. 7649 Primer, and Cat. No. 32629 Metal Contact Cement to achieve a secure and permanent bond at all connections.



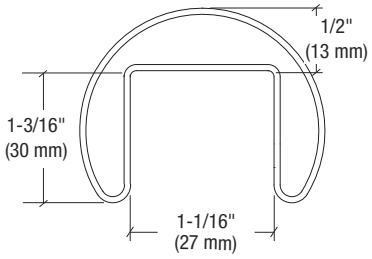
GRRF15 Series
1-1/2" Cap Rail for 1/2", 9/16", and 5/8" (12, 13.52, and 16 mm) Glass

GRRF20 Series
1-7/8" Cap Rail for 1/2", 9/16", 5/8", 11/16", and 27/32" (12, 13.52, 16, 17.52, and 21.52 mm) Glass

*This dimension is used to calculate the glass size. Add the clearance for Protective Rubber Insert (see below) or desired clearance required.



GRRF15 Series



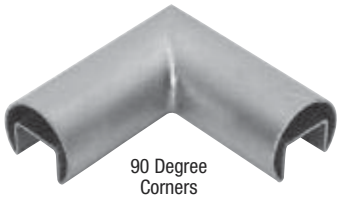
GRRF20 Series

A Full Selection of Accessories for a Professional Installation

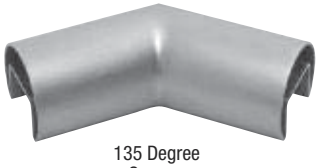


Connector Sleeves

Protective Rubber Inserts



90 Degree Corners



135 Degree Corners



End Caps



Stabalizing End Caps



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, You can also e-mail us at **railings@crlaurence.com**.

- A Full Range of Assembly Components to Complete Just About Any Configuration











1-1/2" and 2" (38 and 51 mm) Stainless Steel and Brass

1-1/4" and 1-1/2" (32 and 38 mm) Stainless Steel and Aluminum

1-1/2" and 2" (38 and 51 mm) Stainless Steel and Aluminum

1-1/2" and 2" (38 and 51 mm) Wood





CRL CRS Component Railing System for Use With Glass Infill Panels

Patent Pending

- Design and Build Custom Post Railings From Stock Parts for Practically Any Application
- Non-Welded Mechanical Connections for Speedy Job Site Installation
- Clean Vertical Lines Without Glass Clamps
- Utilizes Our Popular Cap Rails and Companion Parts
- Polished or Brushed Stainless Steel Finishes Available From Stock
- Several Post Mounting Options Available





If you are looking for a railing system that is a step above an aluminum system, but do not want the expense of a custom welded stainless steel system, try our CRS Component Railing System.

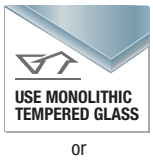
It combines the strength of 1-1/2" Schedule 40 Stainless Steel Posts and a complete selection of CRS Adapter Fittings with our popular Premium Cap Rails to create an easy to assemble and install railing system. Glass Infill Panels are secured without Glass Clamps, and their bottom edges are protected with an attractive Bottom Cap Rail.

CRL custom fabricates CRS Posts in five configurations: Flange Mount, Core Drill Mount, Stair Mount, Ramp Mount and Fascia Mount. These Posts are used with standard CRS Components and either 3/8" or 1/2" (10 or 12 mm) Tempered Glass Infill Panels to complete the installation. The CRS System utilizes a 'lift and drop' method of glass installation, allowing for less then perfect fabricated glass panels. No costly holes are required, and the top and bottom edges are captured, reducing polishing time and expense.

You can purchase stock CRS Components and Cap Rails to do your own fabrication, or you can let our expert fabricators do the work for you, leaving you with an easy to assemble railing package completely fabricated to your specifications. Polished stainless steel or brushed stainless steel finishes are available from stock.

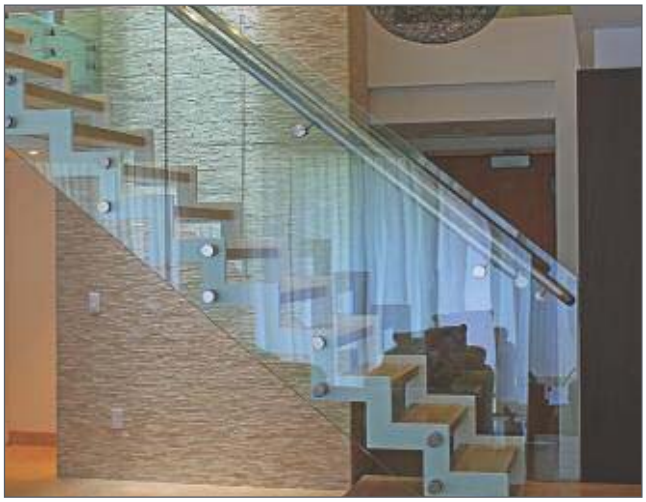
CRL SRS Standoff Railing System

- For Use With 1/2" and 3/4" (12 and 19 mm) Monolithic Tempered Glass or 9/16" and 27/32" (13.52 and 21.52 mm) Laminated Tempered Glass Using DuPont® SentryGlas® Interlayers
- Exterior and Interior Applications
- Designed for Guard Rail, Stairway or Ramp Areas
- Meets or Exceeds A.D.A. Requirements



or





C.R. Laurence Company is now manufacturing our own Standoff Railing System. 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.

For a full line of Cap Rails, Hand Rails, and Hand Rail Brackets, visit **crlaurence.com/railing-systems**.

ONLINE ARCHITECTURAL RESOURCES

Optional Hand Rail Tubing



1-1/2" (38 mm) Diameter Aluminum Hand Rail



1-1/2" (38 mm) Diameter Stainless Steel Hand Rail



1.66" (42 mm) Diameter Stainless Steel Hand Rail

Optional Cap Rails



U-Channel Cap Rails



Premium Cap Rails



Extruded Aluminum Cap Rails

Dupont and SentryGlas are registered trademarks of E.I. du Pont de Nemours and Company.

CRL ARS Aluminum Railing Systems

- Available Systems Use 2-3/8" and 4" (60 and 102 mm) Square Posts
- Seven Standard Powder Paint Colors Available, Plus Mill Aluminum
- Custom Colors Also Available

C.R. Laurence Company is the manufacturer of 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 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 alloy 316 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.

Color Selection

- Tough, Powder-Coated or Optional KYNAR® Paint Colors for Superior Color Retention and Weather Resistance

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 plus mill aluminum, 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.



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.

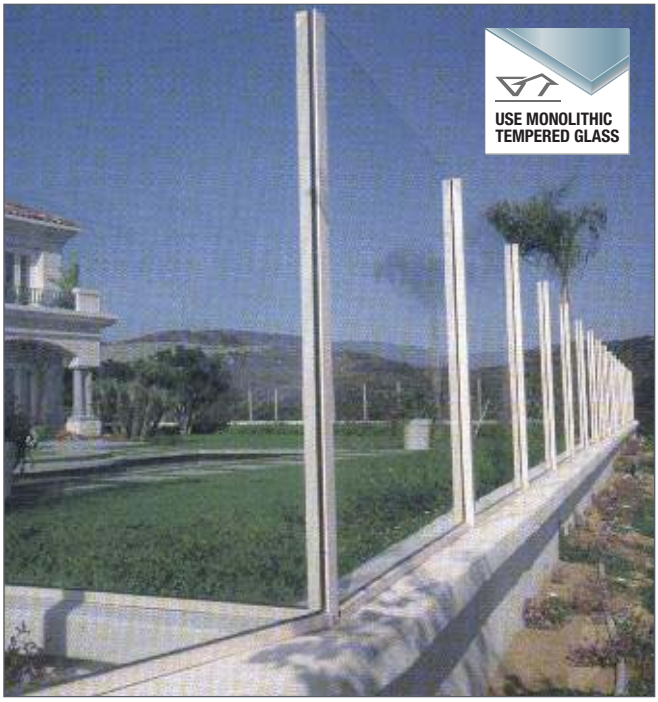
CRL AWS Aluminum Windscreen Systems

U.S. Patent No. 7,730,677

- 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.

The homeowner will love the clean look of this wall and the virtually unobstructed view it provides. AWS is superbly suited as a sound wall along busy streets and highways. Our system provides a much higher sound transmission rating than conventional fencing. AWS is low maintenance. All components are specially coated to prevent corrosion and ensure that the homeowner will be satisfied for many years. AWS 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.



2" x 2-5/8" (51 x 67 mm) Rectangular Aluminum Windscreen Post Profiles


180 Degree Center/ End Post Kits


90 Degree Post Kits


135 Degree Post Kits

3" (76 mm) Round Aluminum Windscreen Post Profiles


180 Degree Center/ End Post Kits


90 Degree Post Kits


135 Degree Post Kits

CRL Frameless Windscreen Clamp System

- Gives the 'All-Glass' Frameless Look to Windscreens or Pool Surrounds
- Core-Mounted, Surface-Mounted, or Side-Mounted Styles for 3/8", 1/2", and 9/16" (10, 12, and 13.52 mm) Glass
- 316 Alloy Stainless Steel in Two Finishes
- Custom Powder Coated Finishes Also Available



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. Core mount 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. Windscreen Clamps are not designed for guard rail applications.



or





CRL Stainless Steel P-Series Post Railing Kits

CRL US ALUMINUM MANUFACTURED IN THE USA

USE MONOLITHIC TEMPERED GLASS or USE LAMINATED TEMPERED GLASS



P1 Series | P2 Series | P3 Series | P4 Series | P5 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
- For Use With 1/2" (12 mm) to 1" (25 mm) Thick Panels
- Low Maintenance 304 Alloy Stainless Steel Posts are Ready to Install
- Two Standard Stainless Finishes, With Available Custom Powder Paint Finishes
- Standard 36" (914 mm) and 42" (1067 mm) Post Heights Available
- Custom Styles and Heights on Special Order



Glass Attachment Fittings Sold Separately





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 eight 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 304 alloy 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" (32 or 38 mm) Schedule 40 Hand Rail Tubing in complementary or contrasting finishes. **NOTE**: The tempered glass or laminated tempered glass is supplied by the customer, and must be fabricated with pre-drilled holes to be fastened to the Posts. For CRL to supply the glass, see page T657 for additional information. Please contact CRL Technical Sales for assistance in planning your next Post Railing project.

CRL Custom Gate Systems



- Passage, Driveway, and Door Style Glass or Picket Gates are Available
- Fabrication to Code for Pool Surrounds
- Tension Adjustable Self-Closing Hinge is Standard
- Available Gate Latch, Knob Latch, Electronic Magnetic Latch, and Panic Hardware Options
- We Can Fabricate Custom Styles From Stock Components
- Seven Standard Finishes, Plus Custom Finishes

Gates are an integral part of most commercial, multi-family, and residential projects. Your choice of gate designs range from basic swing gate to customized automatic or manual gates. CRL Gates can accommodate standard, electronic or remotely operated locksets, as well as a variety of opening mechanisms.

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. You can also e-mail us at **railings@crlaurence.com**.

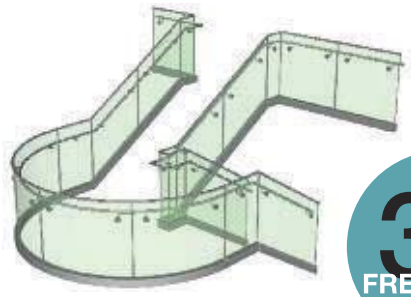


Post Mounted Swinging Gate Shown

CRL Hand Rails Online

Web-Based Railing and Windscreen Design Program







- Design and Layout Software Program
- Tailored to Professionals Doing Hand Rails, Guard Rails, Glass Balustrades, and Windscreens
- Innovative Web-Based Program That Generates Glass Sizes, Material Cut Sizes, Layouts With a Complete Hardware List
- Supports Fabricated and Stock Length Ordering Methods
- Generates Accurate Quotes in Minutes
- Six Easy Steps to Design a Railing System, See Them Online at **crlaurence.com/online-apps**

Hand Rails Online is part of our family of online services, Including 'All-Glass' Storefronts Online®, U.S. Aluminum Storefronts Online, Showers Online, and Office Partitions Online. For information about all of our Online Programs, please visit **crlaurence.com/online-apps**.

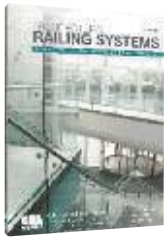
FREE 30 Day Trial Offer Upon Completion of Introductory Webinar Visit **crlaurence.com/online-apps**

Hand Rails Online is a web-based design program that allows you to enter your railing layout dimensions for a particular job, then calculates the stock lengths of material and all hardware required to complete your project. It also displays and prints detailed information such as post spacing, railing heights, and bottom rail clearances.

Hand Rails Online allows you to design and layout almost any configuration in minutes. Default settings and standard clearances can be customized within the program to suit the user's own needs. A quote sheet and layout drawings can be generated for a professional and personal presentation to a prospective customer.

CRL Architectural Railing Systems Catalog

- Systems for Hand Rails, Guard Rails, Balustrades, Windscreens, and Gates Designed and Engineered for Residential, Commercial, and Institutional Needs
- TAPER-LOC® 'X' Dry Glazing System for Glass Railings
- Full Color Images to Generate Design Ideas



CAT. NO. HR18
Full Line Architectural Railing Systems Catalog

TAPER-LOC X
DRY GLAZE RAILING SYSTEM

CRL Technical Sales Department

- Full Service From Our Railing Technical Sales Team
- Design Assistance and Component Selection
- Detailed Project Quotes
- Shop Drawings



Architectural Metals Designed, Engineered, and Manufactured by C.R. Laurence

- Custom Clad Entrance and Storefront Systems
- Custom Break Shaped Aluminum or Architectural Metals
- Custom Metal Column Covers
- Custom Metal Panel Systems
- Custom Ornamental Metals
- Custom Ornamental Hand Rails and Guard Rails
- Completely Fabricated Sunshade Systems
- Custom Canopies

CRL US ALUMINUM MANUFACTURED IN THE USA



C.R. Laurence Company fabricates custom metals that are both functionally correct and aesthetically pleasing. 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 Los Angeles, California manufacturing staff 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 on custom architectural metals contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. You can also send e-mail to **archmetals@crlaurence.com**.

















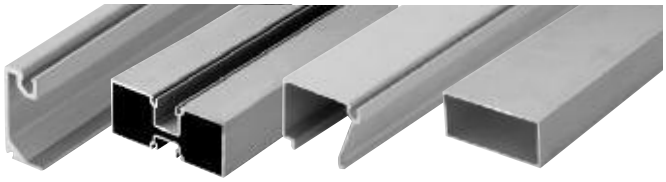


CRL Extrusions and Profiles

The Shapes, Materials, and Finishes You Need, When You Need Them



Selection



Through years of working with the industries, C.R. Laurence Company has developed an extensive line of Extrusions and Profiles that enables professionals to create projects with no limitations of design. Whether you are working with glass, mirror, plastics or other materials, you will find the selection is made of the highest quality materials, in the most commonly used shapes, along with hundreds of special application configurations.

Our material choices of aluminum, stainless steel, brass, and plastic will allow you to use the most appropriate parts in assembling your jobs. Our large selection of finishes makes it easier than ever to accent the applications in either new or existing environments. And if you need something special, custom shapes and finishes can be quoted upon request.

Service



Ordering online at **crlaurence.com,** by toll free phone, toll free fax, or visiting one of our 40 service center locations is easier than ever. We take a business-to-business approach to every transaction. We are always pleased to receive your orders, and promise to fill them as promptly as possible.

C.R. Laurence's Customer Services are offered in a variety of forms. The CRL Technical Sales Department offers Product Specialist Groups who are trained in the latest product systems and are ready to answer all of your product questions.

Most important is knowing that you can depend on CRL to have the inventory of products you need when you need them. We've invested in huge supplies of Extrusions and Profiles to be ready to serve you.

CRL Partition Posts and Sneeze Guards for Food Service

Planning a Restaurant or Store?

Put CRL Manufacturing to Work for You!

C.R. Laurence Manufacturing has over 40 years experience in producing materials for the industries we serve. During that time we've learned what it takes to make quality products, and do so in a cost-efficient and timely manner. We've also learned what it takes to please customers who have very high standards, and as a result earned a number of very prestigious awards for manufacturing excellence.



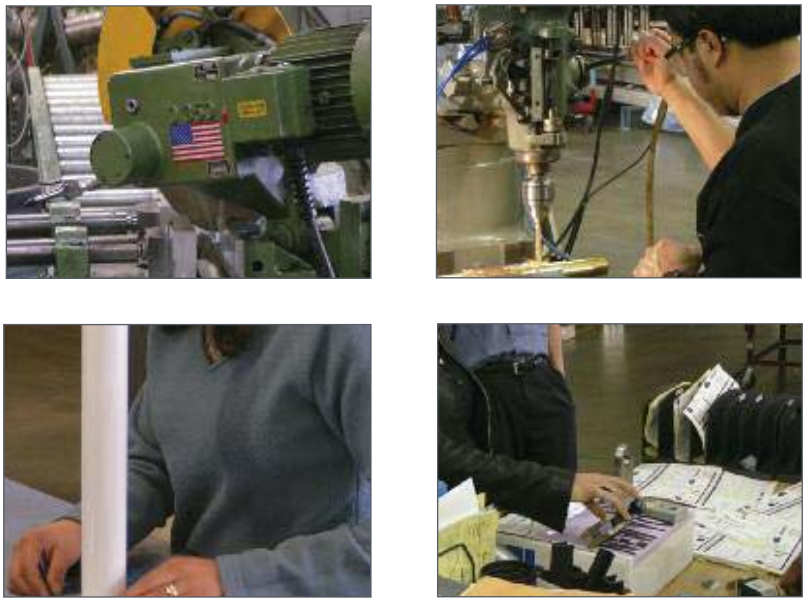
CRL Sneeze Guard Installed in a Food Preparation and Serving Area

CRL Meets Your Manufacturing Needs

We can meet the manufacturing needs of projects big and small. C.R. Laurence Manufacturing offers a variety of services to help you produce high quality products you will be proud to install. We use progressive ISO9001-2008 manufacturing processes to make quality tools, parts, and accessories for some of the world's largest corporations.

We also serve the needs of smaller, more specialized businesses. CRL will help you make products you can provide to your customers with complete confidence. Our capabilities encompass most every phase of the manufacturing process, from the early stages of design, all the way through to packaging and shipment. We can supply services such as:

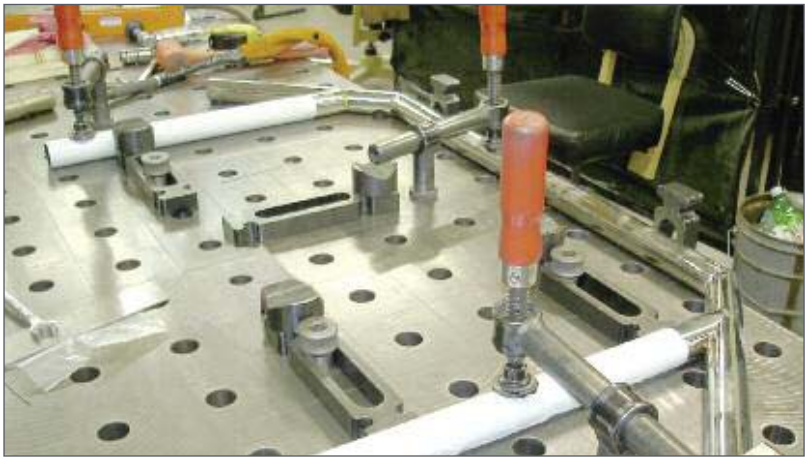
Engineering • Cutting • Drilling • Machining
Welding • Cladding • Painting • Polishing
Assembly • Packaging • Shipping



Fabrication, Finishing, and Packaging. All Within 7 to 10 Days on Custom Posts and Sneeze Guards

CRL Says "Yes" to Custom Fabrication

Although C.R. Laurence Company stocks well over 70,000 products, we are aware that stock materials may not be the answer for every project. We do not like saying "no" to our customers, so please feel free to ask for any custom materials you need to complete your job. Over 600,000 square feet of manufacturing capacity in Los Angeles, California allows us to engineer and design custom products. Help us to say our favorite word, "YES", by asking for design assistance and a quote on any custom made product you require.



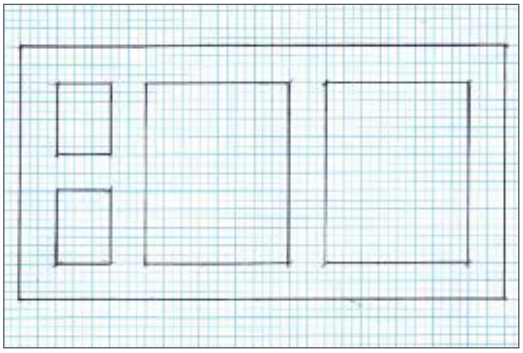
Custom Sneeze Guards are One of Our Many Specialties

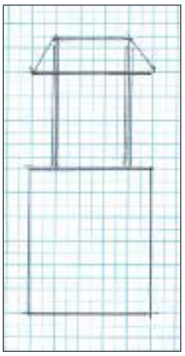
CRL Partition Posts and Sneeze Guards for Food Service

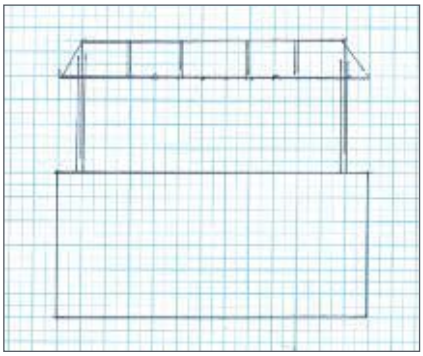
How Our Technical Sales Team Can Help You - As Easy As 1, 2, 3

Although CRL offers thousands of stock products with short lead times, custom designs will require more time and planning. This is wh CRL excels. All we require from you is a drawing that puts to paper your vision of the final product. Our Technical Sales Representatives w then work with you to take this image to a new phase. Architectural drawings can be created, and ideas exchanged until the final ordering production process takes place. The example below shows how a simple black and white drawing evolved into the final product that pleas our customer and, more importantly, their customer. CRL has a fully dedicated Technical Sales Staff willing to assist you with design ideas, quotations, and ordering. CRL Technical Sales is available at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Or, email us at **transaction@crlaurence.com**.

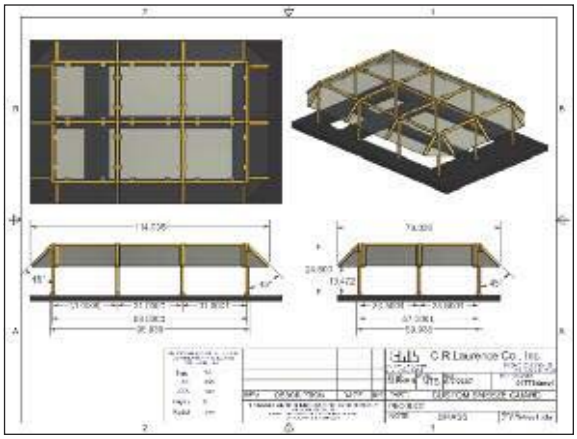
Customer's Rough Drawing of Countertop Condition and Design Concept

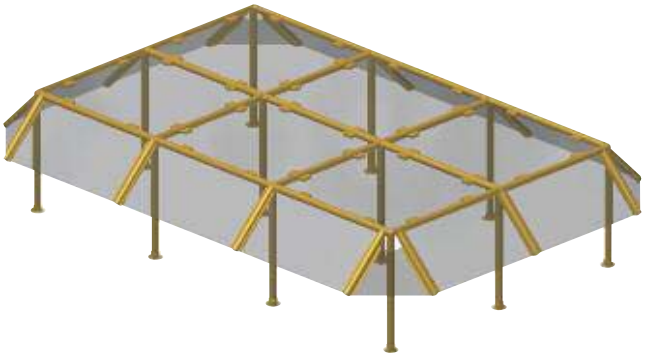






CRL Architectural Drawing Ordered by Customer for End User Approval





Post-Production Sneeze Guard Prior to Crating



See our complete selection of hospitality hardware, along with color photos of finished projects, in our **HS12** Hospitality and Service Hardware Catalog. You can view it online at **crlaurence.com/catalogs**



CRL Partition Posts in Stock and Ready For Immediate Shipment

CRL US ALUMINUM MANUFACTURED IN THE USA

USE MONOLITHIC TEMPERED GLASS

- Stock Posts, Ready-to-Ship
- Standard Heights of 12", 18", and 24" (305, 457, and 610 mm) With Caps and Mounting Bases Included
- Many Configurations Available to Satisfy a Multitude of Design Requirements
- "Quick Ship" Custom Posts Also Available and Ready to Ship in Three to Five Days From Our California Manufacturing Plant
- "Make Your Own" Post Components in Stock
- "Re-Supply" Program Allows Shipments From Local CRL Service Centers on a Weekly Basis

Design Series

CRL Design Series Glass Partition and Divider Posts are some of our most popular. They are fabricated of square aluminum extrusion with the glass channels attached to the main extrusion. They are available in four stock finishes and three stock sizes, off the shelf and "Ready-to-Ship".







Sculptured Series

CRL Sculptured Series Glass Partition and Divider Posts are fabricated of square aluminum extrusion with the glass channels recessed in the main extrusion. They are available in three stock sizes and finishes, off the shelf and "Ready-to-Ship".







Plaza Series

CRL Plaza Series Glass Partition and Divider Posts are fabricated with 1-1/2" (38 mm) Stainless Steel Square Tubing. The glass can be attached using U-Channels, Glass Clips or Glass Clamps. They are available in three stock sizes and two stock finishes, off the shelf and "Ready-to-Ship".







Elegant Series

CRL Elegant Series Glass Partition and Divider Posts are fabricated with 1-1/2" (38 mm) or 2" (51 mm) Stainless Steel or Brass Round Tubing. The glass can be attached using U-Channels, Glass Clips or Glass Clamps. They are available in three stock sizes and two stock finishes off the shelf and "Ready-to-Ship".





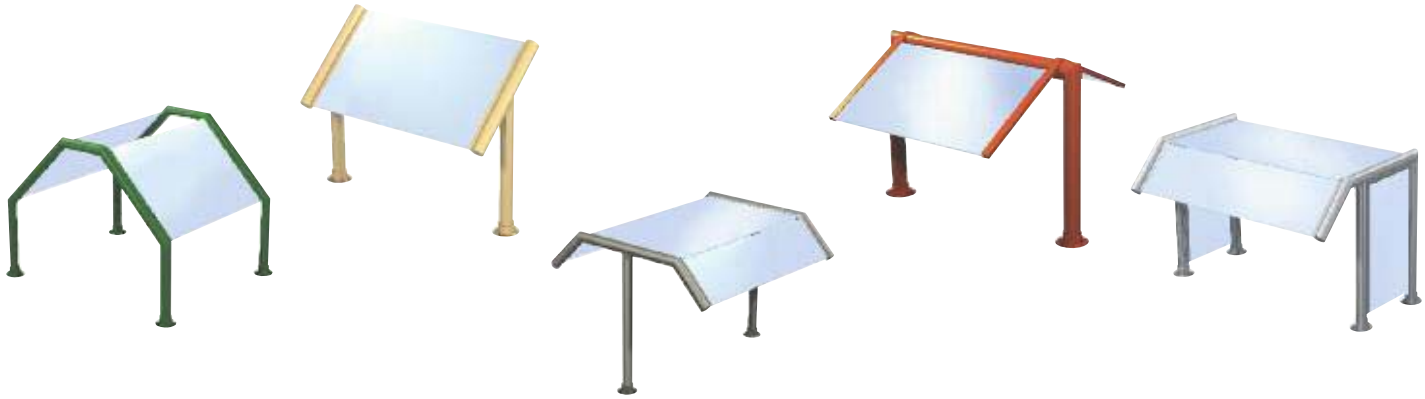


CRL "Quick Ship" and Custom Fabricated Sneeze Guards

- "Quick Ship" Sneeze Guards Ship Within Three to Five Working Days
- "Build Your Own Sneeze Guards" Using Stock Components Ready to Ship
- Send CRL Your Designs and Plans for Custom Sneeze Guards
- Technical Sales Staff Waiting to Assist You With Design Ideas

CRL US ALUMINUM MANUFACTURED IN THE USA

USE MONOLITHIC TEMPERED GLASS



We are constantly looking at ways we can do things better, and are always striving to keep our customers satisfied. That is why CRL Service Centers are unmatched when it comes to customer service.

When Hospitality Sneeze Guards or Food Shields are required on a project, who better to turn to than CRL for all your "On-Time" delivered merchandise? Most of our Sneeze Guards are made from our vast selection of stock component parts allowing for "Quick Ship" on complete units within three to five working days. However, with 1 million square feet of manufacturing capacity and trained technicians, CRL can fabricate any Custom Sneeze Guard System you design within seven to ten working days, ready to ship from Los Angeles, California.

CRL has a fully dedicated Technical Sales Staff willing to assist you with design ideas, price quotations, and ordering. CRL Technical Sales is available at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Send email to **transaction@crlaurence.com**.







CRL Standoff and Glass Connection Systems

CRL's Family of Standoff Products Can Be Used Independently or Together to Create Unique Designs



All the latest Standoff Systems and related accessories in our SC18 Catalog. View online at **crlaurence.com/catalogs**.

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, Tube Style Standoffs, 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.


Round Standoff Bases


Standard Cap Assemblies

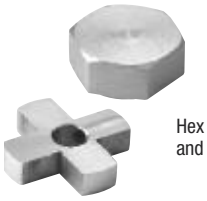

Slot Mount Standoffs


Tube Style Standoffs


Framepegs


Adjustable Edge Grips


Square Standoff Bases


Hex Caps and Hubs


Panel Clips


Adjustable Height Standoff Caps


Edge Grips


Standoff Tube Adaptors


Accent Rings


Low Profile Cap Assemblies


Flush Mount Cap Assemblies



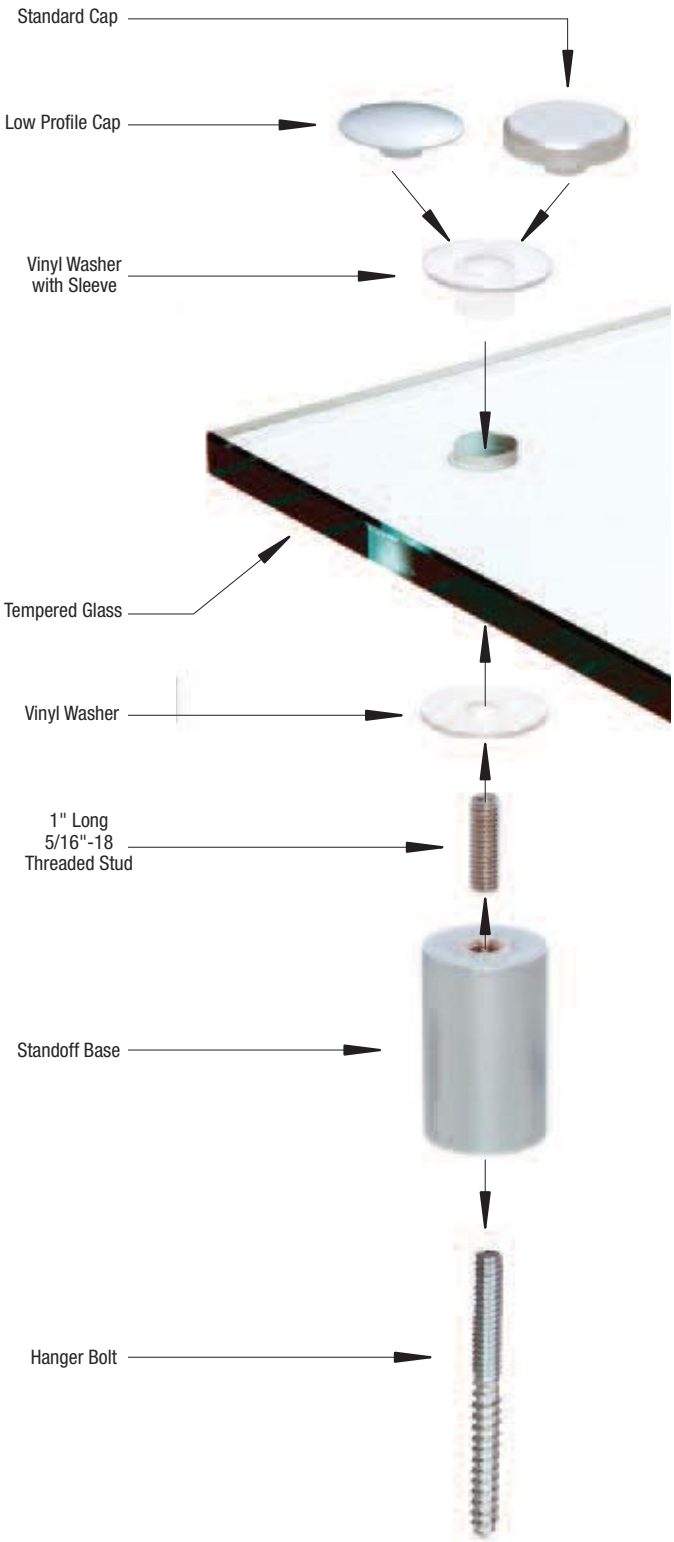






What Are Some of the Applications for CRL Standoff Systems?

- Typical Installation for 1-1/4" (32 mm) Diameter Standoff Base and Cap



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 diverse selection of Standoff products available anywhere. Our 1/2" (13 mm) diameter Standoffs are a favorite for lighter weight glass displays or signage. 3/4" and 1" (19 and 25 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" (32 to 51 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 4" (13 to 102 mm), and in many popular finishes, including powder coating. Fabricated in CRL's California manufacturing facility, Custom Standoff products are produced to your specifications and have short lead times. For specific product information go to **crlaurence.com/standoffs**.

Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

USE MONOLITHIC TEMPERED GLASS

CRL Custom Manufactured Standoff Service

- Machined to Your Specifications in Lengths Up to 48" (1219 mm)
- Choose From a Variety of Round and Square Bar Stock Dimensions
- Available in the Following Finishes: Polished Stainless, Brushed Stainless, Polished Brass, Satin Brass, Sandblasted Stainless Steel, and Powder Paint
- Custom Plated Finishes are Also Available
- Miter Cut or Angled Edges Available
- Welded Flanges or Plates Available
- Timely Delivery



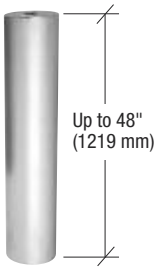
CRL Custom Standoff Fittings may require machining, welding, bending, and special finishing. This can all be accomplished with our in-house equipment for the fastest delivery time in the industry. Not only will we bring your design to reality, but our Technical Sales staff is here to assist you with alternate designs or suggestions. We work every day with our customers to fulfill their glass attachment needs. E-mail your Custom Standoff requirements to **architectural@crlaurence.com** and we will quickly respond with a quotation.



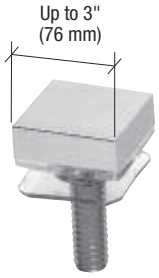
Custom Cap Diameters



Custom Base Diameters



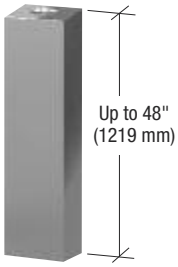
*Custom Base Lengths



Custom Square Caps



Custom Square Base Widths



*Custom Square Base Lengths

*** NOTE:** If diameter is equal to, or less than 2-1/2" (64 mm) or square is equal to, or less than 3" (76 mm), the maximum length is 48" (1219 mm). If diameter is between 3" and 4" (76 to 102 mm), the maximum length is 10" (254 mm).



Bending (on Selected Diameters)



Welding on All Diameters



Precision Machining





650,000 Combined Square Feet of Manufacturing Capacity in Los Angeles, California.

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 650,000 square feet of manufacturing capacity in Los Angeles, California. Our in-house machining room, polishing center, and powder paint line allow us to give you the fastest service in the industry.

CRL US ALUMINUM MANUFACTURED IN THE USA

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. You can also e-mail us at **architectural@crlaurence.com**.

Welcome to the C.R. Laurence Online Catalog

- Thousands of Pages of Quality Products and Helpful Information are Just Clicks Away, Anytime at Your Convenience
- It's the Best Way to Shop at CRL

What's the best way to shop at C.R. Laurence? Visit the Online Catalog at **crlaurence.com**. Our Online Catalog brings you thousands of pages from our many printed catalogs, all of them in full color, and linked to our ordering module so you can browse and shop at any time it's convenient. You can check prices, review stock levels, and get the most complete and up-to-date details on the products we offer. And you can do it all from any PC.

Our "self-service" web site and Online Catalog are the most comprehensive and convenient up-to-date information sources we can offer. Explore some of our most popular product lines or review individual products. CRL has tens of thousands 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.

Please review these pages for tips on how to do business at **crlaurence.com**. And if you ever need assistance, just contact us over the Internet or by toll free phone. We'll be glad to help.

Find Exactly What You Want, Faster Than Ever. crlaurence.com Has the Information You Need:

- **Complete Online Catalog Library**
- **Product Information and Pricing**
- **Additional Sizes, Finishes, Models, and Configurations**
- **Spec Sheets, Safety, and Technical Documents**
- **Shipping and Freight Limitations**
- **Installation Instructions**
- **Drawings, Details, and Specifications**
- **Related Products and Hardware**



Three Easy Ways to Find Products Online

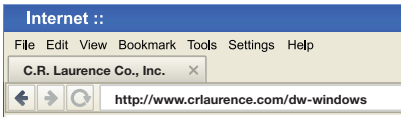
1 Product Number

Throughout the book you'll find product numbers next to products and in product charts (appears as "**CAT. NO.**"). Enter this number into the **crlaurence.com** search box and click "Search" for instant access to complete product info, pricing, availability, additional finishes/sizes, details, and related items.



2 Shortcuts

The top right of each catalog page has a shortcut URL (web address) that relates to the products on the catalog page you're looking at. Simply type the string of text into your web browser's address bar and you'll jump to that specific expanded product offering on **crlaurence.com**.



Every shortcut URL featured in this book is available in an easy-to-navigate alphabetical online directory. Visit **crlaurence.com/shortcuts**.

3 Keyword Search

The bottom left of each page lists unique search keywords to provide quick navigation once you're already at **crlaurence.com**. Type the keyword(s) into the **crlaurence.com** search box and click "**Search**" to be presented with a complete selection of products related to the catalog page you're on.



TIP: Be sure to enter the text exactly as it appears on the page (including any hyphens).



Online User's Guide

Our Online User's Guide is the ultimate **crlaurence.com** reference guide. It provides clear step-by-step instructions, showing you how to do just about everything on **crlaurence.com**. This guide provides the 'How To' answers to all of the important features, making it more convenient to shop at **crlaurence.com**.

- **Register/ Sign In**
- **Account Settings**
- **Check Stock and Prices**
- **Placing, Reviewing, and Revising Orders**
- **How to Contact Us and Request Information**
- **Search and Navigation**

View online or request your copy at: **crlaurence.com/users-guide**



Product Numbers: The "Key" to crlaurence.com

The absolute fastest and most accurate method of finding and reordering products on **crlaurence.com** is by entering the Product Number (appears as "**CAT. NO.**") into the search box. We have gone to great lengths in developing a numerical indexing system for our tens of thousands of products. Every box, carton, tube, package, tub, and bag of CRL product is labeled with an easy-to-find product number. Product Numbers remain the surest way to find exactly what you're looking for. Every time.

Enter the Product Number on crlaurence.com and Get Instant Access to:

- **Stock Availability**
- **Product Prices**
- **View Other Finishes and Sizes**
- **Installation Instructions**
- **Spec Sheets, Drawings, and Technical Documents**
- **Shipping and Freight Limitations**



Can't Find What You're Looking For?

Click the the "Contact Us" button at the top of **crlaurence.com**. We have a dedicated online customer service department ready to assist. Response time is short during regular business hours, and we will work to help you find what you're looking for. Visit **crlaurence.com/support.**

Bookmarks

The easiest way to keep **crlaurence.com** quickly accessible; bookmarks are saved links to web sites that make it easy to return to and keep track of your favorite pages online. Follow these quick steps:

1. Open your internet browser, and go to **crlaurence.com**.
2. On your browser (will vary based on operating system and preferences):
   - **Internet Explorer, Firefox, and Chrome:** Click the "**star**" button next to the address bar and "**add bookmark / favorite**"
   - **Safari:** Click the "**+**" button next to the address bar and select "**Add this page to Bookmarks bar**"
   - **Alternate Keyboard Shortcut:** On any browser, simply press **Ctrl+D (Mac: ⌘-D)**
3. Quickly access **crlaurence.com** anytime you're online by clicking on the CRL logo in your bookmarks.

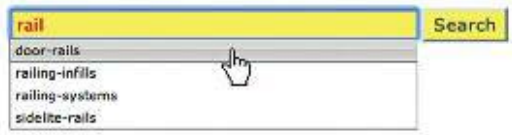
Connecting the World to Everything Glass

Work with glass? Work with CRL. Find the systems, services, and supplies that comprise the glazing industry's diverse segments; from automotive to industrial, and virtually any application in the built environment. **Crlaurence.com** gives you complete and instant access to the tools and systems your project requires. Tens of thousands of quality products and helpful information are just clicks away, at any time, and at your convenience. Our "self-service" web site is the most comprehensive and current information source we can offer, and remains the best way to shop at CRL. You can check prices, review stock levels, and get the most complete and up-to-date details on the products and services we offer. What you will find at **crlaurence.com** is a link to who we are, what we do, and what we have to offer the industry.

Save Time Searching With New CRL Search Suggest

We realize that the largest selection of products is only an asset if you can find exactly what you need. Enter CRL Search Suggest. As you start typing in the **crlaurence.com** search box, you can find products quickly by seeing search predictions that are similar to the search terms you're typing. Start entering a keyword or part number, and CRL Search Suggest will show you a list of popular search terms and shortcut URLS.

For example, as you start to type **rail**, you will be presented with other common rail-related searches. When you click on one of the suggested searches you'll jump immediately to that product offer page.





New Products

C.R. Laurence is at the forefront of innovation, offering the newest products and technologies available. Each month we add new and improved products to our growing inventories across every brand. **Crlaurence.com** remains your best resource for the latest and up-to-date products, news, and information. See what's new at **crlaurence.com/new-products**.

CRL Mobile: Everything CRL in the Palm of Your Hand



- **Search our vast product database**
- **Get your pricing**
- **Check stock availability**
- **Order with express checkout**
- **Find CRL service center locations**
- **Contact us**

Visit **crlaurence.com** from your smart phone or scan the QR code for the total CRL experience on the move. This QR Code is readable by QR scanners and smartphones equipped with a QR Reader Application. Free QR smartphone apps are available in all app stores/markets.

CRL US ALUMINUM

Google play

QR Code

Save Time While On the Job, or On the Go

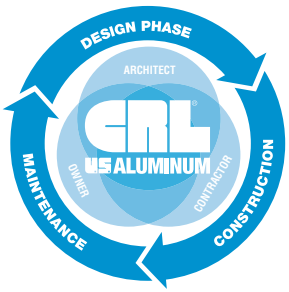
The easiest way to keep the CRL Mobile Site accessible is to add the CRL icon to your home screen.

While on the Mobile Site, tap (iOS) or (Android), then tap "**Add to Home Screen**"

CRL ARCHITECTURAL SERVICES

MORE CHOICES
crlaurence.com/architects

Complete Project Support From Concept to Completion



BUILDING LIFE CYCLE: CRL Support Throughout the Entire Process

C.R. Laurence's manufacturing, logistics, and rapid customization capabilities, along with standard inventory, make CRL the fastest and most adaptable resource in the industry. CSI-certified CDT's compound this by providing valuable knowledge and expertise in project delivery and management to ensure smooth design, construction, and maintenance phases for architectural projects.







Design Phase

CRL's architectural support and outside sales teams can assist customers with specifications, details, and technical support. Shop drawings and personalized engineering services are also available from CRL's certified technical sales teams.

Construction

Efficient manufacturing methods, logistics, and rapid customization options, paired with an extensive inventory of architectural products and systems, ensure customers' needs are met in a timely manner.

Maintenance

Worldwide service centers, with access to tens of thousands of products, make CRL the trusted go-to for facilities maintenance teams. CRL manufactures its own library of architectural hardware, glass and glazing tools, and cleaning supplies, and carries a vast selection of key products from other major manufacturers.

CSI Corporate Partner

CDT Certification

We aim to facilitate project efficiency and proficient communication by providing project stakeholders with comprehensive support from highly trained and certified personnel. Our technical and outside sales specialists and project managers have received the Construction Specifications Institute's distinguished Construction Documents Technologist (CDT) Certification. This training and certification has expanded CRL employee's knowledge of the construction project delivery process, allowing them to better serve the architectural and glazing industry with improved support, communication, and efficiency throughout entire project timelines.

AIA Continuing Education Approved Provider

CRL has partnered with the American Institute of Architects (AIA) to bring new continuing education courses to architects nationwide. We maintain a steadfast commitment to the design professional, and are leveraging the product expertise of our team to address key performance criteria and design considerations, ensuring architects remain current on the industry's constantly evolving standards and best practices.



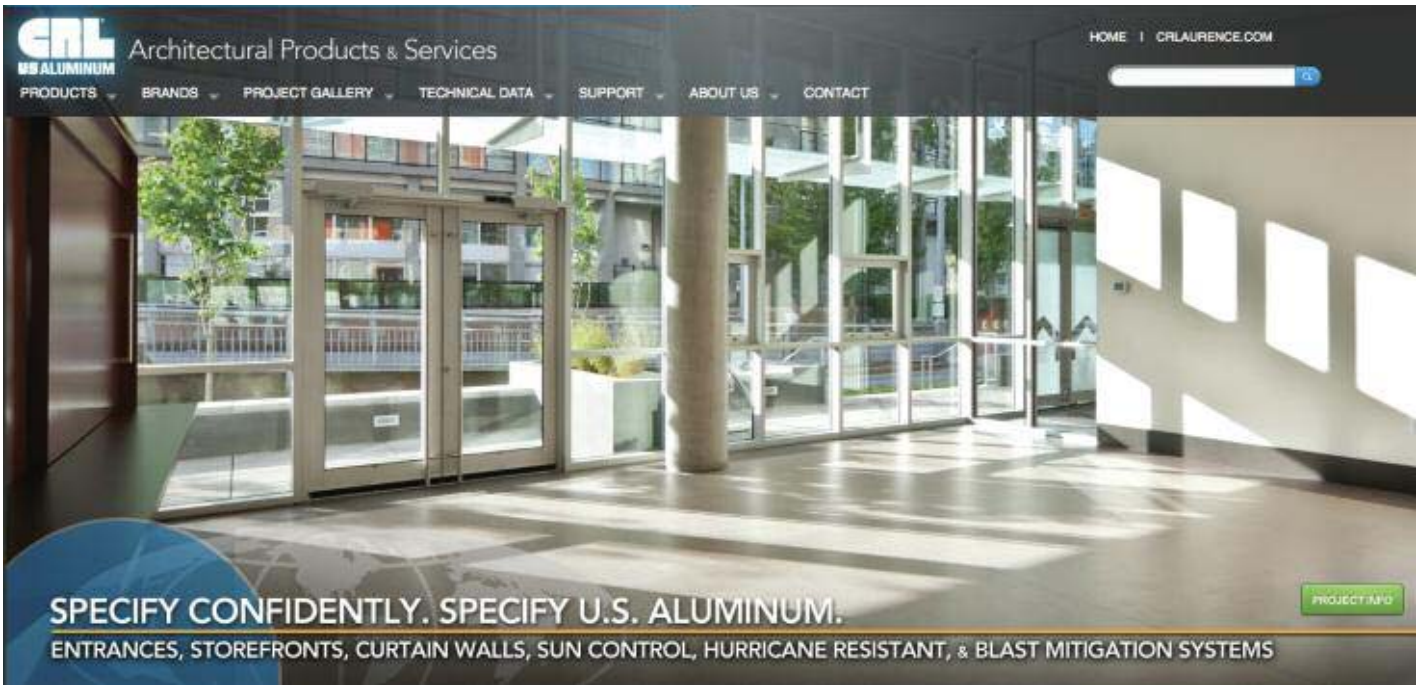
Architectural Business Development

Our dedicated Architectural Business Development Department works directly with architects, specifiers, and designers to create solutions specific to their needs.

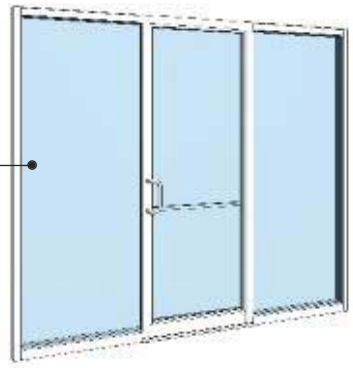
- Product Information
- Catalog and Sample Requests
- LEED® Statement Information
- Engineering and Technical Support

LEED is a registered trademark of U.S. Green Building Council Corporation.

The Online Resource for CRL Architectural Products







CRL Goes BIM

We've expanded and enhanced our design tools by launching a new initiative to make BIM (Building Information Modeling) models of our systems available to the design and construction community. This model-based process helps project teams plan, design, construct, and manage better buildings.

Crlaurence.com is your portal to C.R. Laurence Company Architectural Products and Services. **Crlaurence.com** is the online reference for CRL Architectural Systems including U.S. Aluminum, Blumcraft, Jackson. **Crlaurence.com** is a valuable reference tool designed with the architect, engineer, and specifier in mind. Here you will find easy access to CAD drawings, CSI format specifications, engineering reports, LEED® statements, project galleries, architectural case studies, and our extensive library of catalogs.

Designed to assist architects in researching and specifying products, the web site offers improved navigation by organizing products by system types, CSI division, and brand.

LEED is a registered trademark of U.S. Green Building Council Corporation.

The Return of "BIG RED" - The Definitive Sourcebook Set



CRL93A Architectural Hardware

CRL93G Glass and Glazing

The Most Comprehensive Sources of Products and Services for Glazing, Screen, Architectural, Railing, Construction, Industrial, and Automotive Businesses. Period.

BACK BY POPULAR DEMAND, COMPLETELY EXPANDED AND UPGRADED

Our most popular catalog ever has been revamped top to bottom and includes the latest top quality items that most any business can use for their day-to-day needs. The "Big Red" features the most in-demand products spanning our popular multi-volume Master Catalog Series, presented in two easy-to-use catalogs and organized for quick selection and ordering. Today, CRL proudly offers the industry tens of thousands of products spanning everything connected to the glazing and architectural industries. We searched for a way to make our entire catalog of products easily accessible and manageable; hence, the all-new CRL93 Series.

Now in Two Convenient Volumes The all-new CRL93 is divided into two essential volumes: the **93A** features a broad selection of the most popular, high-quality architectural hardware systems; the **93G** showcases the glass and glazing industry's essential tools, supplies, and equipment. Together, they serve as a complete cross-section of all CRL products and services, and provide the gateway to the all-encompassing resource that is **crlaurence.com**.

CRL93A

- 23R FRAMELESS SHOWER DOOR AND MIRROR HARDWARE
- 63A ARCHITECTURAL HARDWARE
- 63R ARCHITECTURAL RAILING
- USAL14 THE STOREFRONT STORE
- USAL15 CURTAIN WALLS

CRL93G

- 03 SEALANTS, ADHESIVES, AND FASTENERS
- 43 AUTO GLASS TOOLS AND WINDOWS
- 53R GLASS AND GLAZING HARDWARE
- 73R TOOLS, MACHINERY, AND EQUIPMENT
- 83R DOOR AND WINDOW HARDWARE
- TH18 TRANSACTION AND SECURITY HARDWARE
- HS12 HOSPITALITY AND FOOD SERVICE

Part Sourcebook, Part Guidebook, All CRL

The all-new CRL93 Series is absolutely your ultimate sourcebook for everything CRL, and perhaps more importantly, it is your complete guidebook to the wealth of information on **crlaurence.com**, where you can find the additional information, options, sizes, configurations, instructions, specifications, literature, finishes, photos, related products, and support your projects require.

The original 93 "Big Red" served the industry for over 25 years. Now, with the latest developments, features, and expansion, and when used in conjunction with **crlaurence.com**, the all-new CRL93 Series will continue to serve the industry as a comprehensive resource for generations of glaziers, contractors, and architects to come.

CRL CATALOGS AND LITERATURE

MORE CHOICES
crlaurence.com/library



Online Catalog Library
Tens of Thousands of Informative Pages

View or Download Any Book, Any Time, Absolutely FREE.

We've spent years developing an expansive library of Master and Specialty Catalogs for our customers. Each book is tailored to specific industries, providing a comprehensive and informative resource to find the products you need with color photos, detailed illustrations, and easy to understand ordering information.

Convenience Delivered: On Your Schedule, On Your Preferred Device

Our Online Catalog Library brings you every volume of our printed catalogs; tens of thousands of pages of quality products presented in an organized manner and now conveniently available on any computer or mobile device. Visit **crlaurence.com/library**.

Anyone in the world can view or download all CRL Catalogs free of charge at any time at **crlaurence.com/library**. Printed editions are free of charge to qualified customers, or can be purchased and rebated with your first order (a minimum order is required).

Advanced Online Catalog Functionality

- **Intuitive and Fast User Interface With Complete Search Capabilities**
- **Easily Share Pages and Content With Colleagues, Customers, and Social Networks**
- **Download to Your Desktop or Mobile iOS, Android, and Windows Tablets**
- **Make Notes, Highlight, and Bookmark Your Favorite Sections for Easy Access**
- **Product Catalog Numbers are Linked Directly to crlaurence.com for Easy Ordering**
- **Print or Download Page Ranges or Entire Catalogs**

Master Catalogs



CRL93A
Architectural Hardware



CRL93G
Glass and Glazing



CRL03
Sealants, Adhesives, and Fasteners



CRL23R
Frameless Shower Door Hardware



CRL43
Automotive Supplies and Windows



CRL53R
Glass and Glazing



CRL63A
Architectural Hardware



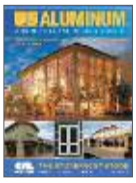
CRL63R
Architectural Railing



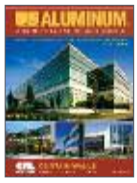
CRL73R
Tools, Machinery, and Equipment



CRL83R
Door and Window Hardware



USAL14
U.S. Aluminum Storefronts and Entrances



USAL15
U.S. Aluminum Curtain Walls

NOTE: If downloading to your mobile device, it is recommended that you do so while connected to a Wi-Fi network to improve download speed and avoid incurring extra data fees.

CRL CATALOGS AND LITERATURE

MORE CHOICES
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Online Catalog Library
Visit Often to See Newly Published Editions

Specialty Catalogs


TH18
Transaction and Security


SD16
Shower Door Hardware


FS14
Sliding Shower Door Systems


ST14
Shower Installation Tools


CRL14D
Doors and Entrances


DC14
Door Controls


AH11
All Glass Entrances


B2010
Blumcraft Doors, Panics


HW2010
Blumcraft Tubular Hardware


OP15
Office Partitions


GW0S16
Glass Wall Office Systems


SCR14
Screen and Security Doors


HR18
Architectural Railings


HRGWS1
Glass Wall and Pool Fencing


AM09
Architectural Metals


SC14
Sun Control Systems


BAL15
Balanced Doors


HS12
Hospitality and Food Service


D2010
Blumcraft Displays


SC18
Standoffs and Clamps


GB10
Glass Bonding System


GM15
Insulating Glass Manual


GMB15
Glass Machinery


TV12A
Truck and Van Accents


UGLZ15
Unit-Glazed Systems


AVA15
Aviation Portfolio


LV14
Las Vegas Portfolio

Sweets Brochures


Pass-Thru and Service Windows


Bullet Resistant Transaction Hardware


Partition Posts and Sneeze Guards


Frameless Shower Door


Glass Entrances and Storefronts


Glass Entrances and Storefronts


Sliding and Stacking Door Systems


Door Control Hardware and Accessories


Architectural Railing System


Architectural Metals


Exterior Sun Control Devices


Column Covers


Panel Systems


Structural Glass Curtain Wall Hardware

Customer Service Order Desk

- Get Product Information
- Request Price Quotes
- Check Stock Availability
- Place or Trace Orders
- Check Your Account Status
- Request Catalogs

Customer Service Order Desk hours are 6 am to 5 pm (Pacific Time) Monday through Friday, and 7 am to 12 pm Saturday. If you wish to pick up your order at the Will Call Trade Counter of our regional Service Centers the hours are 8 am to 5 pm Monday through Friday, and 8 am to 12 pm Saturday. For the fastest Will Call service be sure to place your order in advance so we can have it ready upon your arrival.

Technical Sales Business Groups

Glass and Glazing

- Glass Handling Equipment
- Glazier's Tools and Machinery
- Mirror and Glass Hardware
- Retail Display Hardware and Standoffs
- Safety Gear
- Sealants, Adhesives, and Fasteners
- UV Glass Bonding
- Vacuum Lifting Equipment
- Cleaning and Maintenance Products
- Insulating Glass Supplies



U.S. Aluminum

- Storefronts and Entrance Doors
- Curtain Walls
- Window Wall Systems
- Elephant Doors
- Hurricane Resistant Systems
- Blast Mitigation Systems
- Sun Control Systems
- Window Systems



Door and Window Hardware

- Door Closers and Control Hardware
- Commercial and Residential Door Hardware
- Patio Door Hardware
- Residential Window Hardware
- Screen Wire and Supplies
- Screen and Security Doors
- Storm Door and Window Supplies



Technical Sales Business Groups

Architectural Hardware

- Architectural Storefronts
- 'All-Glass' Entrance Systems
- Door and Sidelite Rails
- Header Systems
- Structural Glass Fittings
- Bi-Folding Doors
- Bollards
- Balanced Doors



Blumcraft® Architectural Metals

- Tubular Architectural Hardware
- Tempered Glass Door Hardware
- Panic Hardware
- Display Case Doors



Architectural Railings

- TAPER-LOC® Railing System
- Aluminum Railing Systems
- Cap Railing Systems
- Hand Railing Systems
- Heavy Glass Base Shoe
- Post Railing Systems
- Windscreen and Gate Systems
- Smoke Baffles



Architectural and Ornamental Metals

- Brake Shaped Metals
- Canopies and Sunshades
- Column Covers (Cladding)
- Wall Panel Systems
- Custom Entrances and Storefronts
- Ornamental Hand and Guard Rails
- Glass Awnings
- Sun Control



Technical Sales Business Groups

Frameless Shower Door Hardware

- Hinges and Clamps
- Knobs and Pull Handles
- Sliding Shower Door Systems
- Towel and Grab Bars
- Vanity and Wardrobe Mirrors
- 'All-Glass' Restroom Partitions
- Shower Installation Tools
- Transpara™ Vertically Frameless System



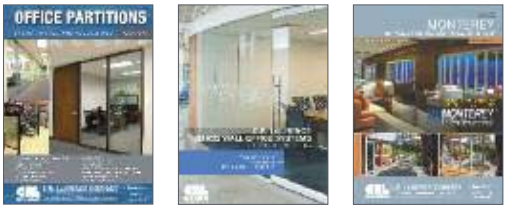
Security, Transaction, and Hospitality Hardware

- Bullet Resistant Exchange Windows
- Drive-Thru and Walk-Up Service Windows
- Food Service Sneeze Guards
- Partition Posts and Booth Dividers
- Safety and Security Mirrors
- Speak-Thru Devices
- Barrier Systems



Partition Systems

- Aluminum Office Partitions
- Frameless Glass Partitions
- Area Divider Systems
- Monterey Bi-Folding Door and Wall Systems
- Stacking Glass Partitions
- Sliding Door Systems



Automotive Windows, Sunroofs, and Supplies

- Auto Glass Shop Products
- Auto Glass Tools
- Pop-Up and Electric Sunroofs
- Truck Sliding Rear Windows
- Van and RV Windows



CRL Fast Facts: Core Values of Your Trusted Business Partner

A Selection of Products, a History of Quality, and a Reputation for Customer Service That No Other Company Can Match

C.R. Laurence Co., Inc. (CRL) is the leading supplier to the glazing, screen, architectural, railing, construction, industrial, and automotive industries. Our mission is to continually develop and supply innovative products and solutions to the markets and industries we serve to enable our customers to provide competitive products and solutions to their customers.

Service

Exceptional customer service is the lifeblood of any business, and remains the essential component to our success and growth. We want your business dealings with CRL to be simple, clear, and convenient. The best way we can serve you is to have open communication, and capable people available to answer your questions, expedite your orders, suggest solutions to your project, or to assist you in any manner we can.

Leadership

In our history we have prospered as a company by leading the industry in product innovation, advanced manufacturing, and progressive business practices. As a longstanding member of the glazing and architectural communities it is our responsibility to actively participate as a thought leader; leveraging our years of experience and expertise in contributing to the advancement of our industry, colleagues, and peers.

Quality

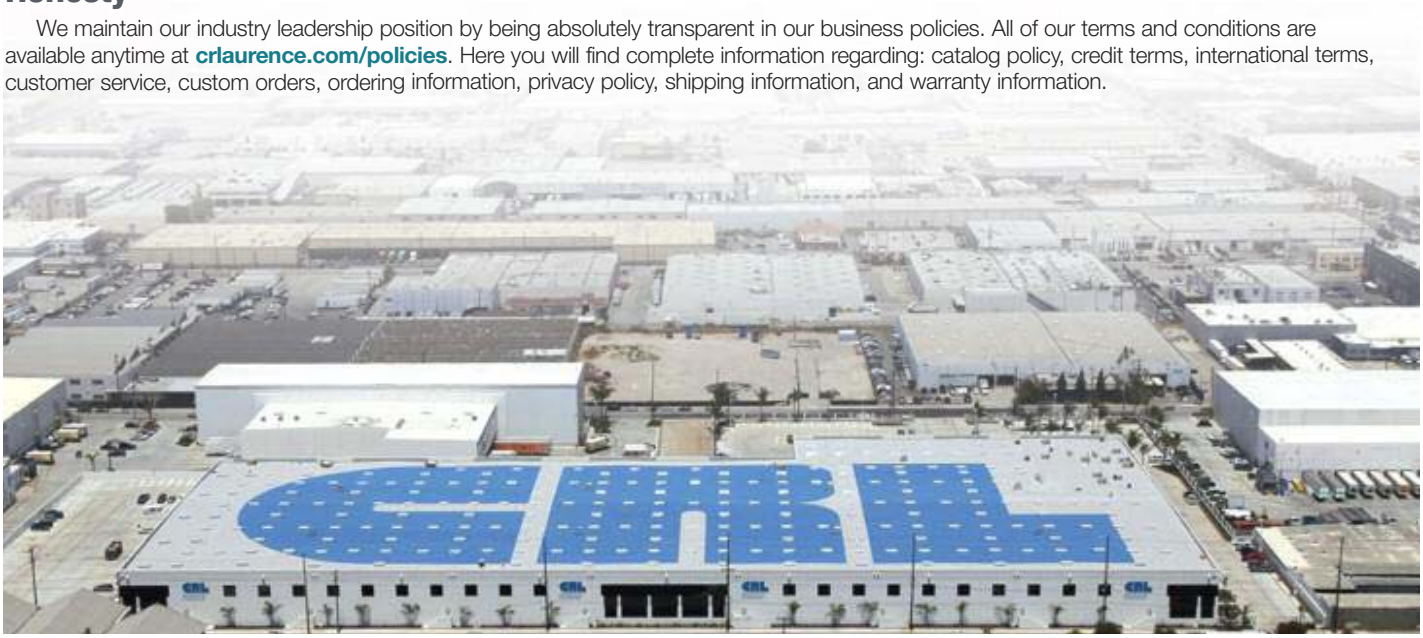
Any product bearing the CRL mark carries with it a promise. Our name on a product means we stake our reputation on what you think of our product. When you purchase, specify, use, or install a CRL product, you can do so with complete confidence knowing that each product has been thoroughly tested to meet C.R. Laurence's stringent standards, and will deliver both quality and value to your project.

Selection

We identify top-selling, high demand products to add to our CRL brands line. Our product managers and product development teams are constantly surveying related building and manufacturing sources worldwide to discover new products, technologies, techniques, and applications. Whenever possible, we manufacture them ourselves to ensure maximum quality and value. In doing so we've amassed the largest selection of tools, supplies, and hardware in the industry, providing you with everything you need to finish your project.

Honesty

We maintain our industry leadership position by being absolutely transparent in our business policies. All of our terms and conditions are available anytime at **crlaurence.com/policies**. Here you will find complete information regarding: catalog policy, credit terms, international terms, customer service, custom orders, ordering information, privacy policy, shipping information, and warranty information.



C.R. Laurence Manufacturing Headquarters, Los Angeles, California

A TO Z PRODUCT INDEX

MORE CHOICES
crlaurence.com/products

A

Access Control Handles....T592-T593
Accufab Pro....T632
Acrylic Convex Mirrors....T606-T607
Adapter Plates....T502
Air Curtain, Service Window....T425
All-Glass Mail Slots....T528
All-Glass Railing System....T656-T661
Aluminum
- Extrusions and Profiles....T667
- Frame Exchange Windows....T468-T484
- Package Drops....T523-T524, T527
- Railing Systems....T662
- Sunshade Systems....T666
- Track Assemblies....T438-T449
- U-Channel....T490, T642
- Windscreen Systems....T663

Anti-Lift Clip....T454
Anti-Lift Security Track System....T440-T441
Architectural Hardware....T645
Architectural Metals....T666
Architectural Service....T679-T680
ArcticFront™ Entrance Doors....T611
Arlene Pass-Thru Windows....T432
Atlas Steel Security Screen Doors....T558
Automatic Service Windows....T416-T417

B

Balustrade, Hand Rail, and Guard Rail Information....T656-T665
Barbara Pass-Thru Windows....T432
Barrier Systems....T486-T491
Base Shoe....T657
Baywood™ Retractable Screen Door System....T651
Belvedere Steel Security Screen Doors....T556-T557
Bi-Fold Doors....T646-T650
Bi-Fold Service Windows....T418-T419
Blast Mitigation Products....T529-T544
Blast Resistant
- Curtain Wall....T538-T541
- Entrance Doors....T529
- Storefronts....T530-T537
- Windows....T542-T544

Blumcraft® Access Control Handles....T592-T593
Bullet Resistant
- Barrier Clamps....T486-T489
- Barrier Extrusions....T490
- Cash Trays....T508
- Deal Trays....T508
- Door Vision Windows....T494
- Doors....T492-T493
- Electronic Communicators....T499, T503
- Exchange Windows....T462-T484
- Fiberglass Panels....T491
- Frames....T462
- Glazing Materials....T461
- Hopper....T521
- Package Receivers....T519-T520
- Protection Level Ratings....T460
- Quarter Round Pivot Servers....T518
- Rotary Server....T519
- Shelves....T513
- Sliding Service Windows....T482-T483
- Speak-Thru Devices....T504-T505
- Transaction Drawers....T515-T516
- Windows....T462-T484

C

Canopies....T666
Cap Rails....T658-T659
Cash Drawers and Trays....T508-T511, T514-T517
Cashier Speak-Thru Devices....T504-T507
Cashier Windows....T426
Catalogs and Literature....T681-T683
Center Locks....T566-T571
Check Point Barrier Systems....T560-T564
Cherokee Steel Security Screen Doors....T558
Chrome Speak-Thrus....T506
Cladding and Fabrication Services....T666
Clamp-On Frame Windows....T477-T481, T484
Clamps, Bullet Resistant Barrier....T486-T489
Clear Package Receivers....T519
Clear View Package Door....T520
Clear Vision Speak-Thrus....T505
Closers, Door....T644
Coin Trays....T508-T512
Combination Exchange Windows....T484
Commercial Door Handles....T592-T602
Commercial Door Hardware....T643-T644
Communication Devices....T499-T503
Conduit Extensions....T502
Continental Security Track Assembly....T442-T443
Convex Mirrors....T605-T607
Countertop Deal Trays....T509, T511
Countertop Electronic Communicator....T500, T503
Covered Speak-Thrus....T507
CRL Security Screen™....T546-T553
Currency Retainer Clip....T516
Curtain Wall, Blast Resistant....T538-T541
Curtain Wall Systems....T538-T541, T628-T631
Curtain Wall Tools....T632-T633
Custom Door Handles....T602

D

Daisy Pass-Thru Windows....T431
Deadbolt Handles....T592-T593
Deal Drawers....T514-T517
Deal Trays....T508-T512
Deep Deal Trays....T510
Deep Transaction Drawer....T517
Defender™ Blast Mitigation Products....T529-T544
Deluxe
- Deal Trays....T509
- Mail Slots....T526
- Service Windows....T410-T417
- Through Glass Package Drop....T524
- Track Assemblies....T444-T445

Diane Pass-Thru Windows....T432
Digital Electronic Communicators....T499-T503
Dome Mirrors....T608
Door
- Center Locks....T566-T571
- Closers....T644
- Handles....T596-T602
- Headers....T643
- Pulls....T596-T602
- Rails....T640-T641
- Systems....T645-T655
- Vision Windows....T494

Doors
- Bi-Fold....T646-T650
- Blast Resistant....T529
- Bullet Resistant....T492-T493
- Sliding....T616
- Sliding Glass....T654-T655
- Stacking....T652-T653

Drawers, Deal and Pass-Thru....T514
Drawers, Transaction....T514-T517
Drawings, Specifications, Installation Instructions....T495
Drive-Thru Windows....T410-T419
Drop in Deal Trays....T508-T510
Drops, Package and Video....T524
Drums, Rotating....T522

E

Egress Control Handles....T592-T593
Electric Sliding Service Windows....T416-T417
Electric Speak-Thrus....T499-T503
Electric Strikes....T594-T595
Electronic Egress Control Handles....T592-T593
Elephant Doors....T618
Entice® Entrance System....T617
Entrance Doors....T609-T615
Exchange Window Options....T463
Exchange Windows
- Clamp-On....T477-T481, T484
- Multi-Lite....T465, T469, T473, T478
- Narrow Inset....T468-T471
- Stainless Steel....T464-T467
- Standard Inset....T472-T476

F

Fast Food Drive-Thru Windows....T410-T419
Fawn Pass-Thru Windows....T431
Fiberglass Panels....T491
Flip Lid Deal Trays....T511
Floor Mounted Closers....T644
Florence Pass-Thru Windows....T431
Frameless 'All-Glass' Mail Slots....T528
Frameless Pass-Thru Windows....T428
Frameless Shower Door Hardware....T636-T639

G

Gates for Aluminum Railings....T665
Gibraltar Steel Security Screen Doors....T555
Glass
- Convex Mirrors....T605-T606
- Decals....T603
- Door Locks....T566-T577
- Entrance System....T645-T646
- Indicators....T603
- Lever Lock Housings....T572-T575

Glazed Exchange Windows....T476, T481, T484
Glazing Vinyl....T434
Gunports....T498

H

Half-Round Ticket Windows....T427
Handles
- Back-to-Back....T596-T601
- Center Lock....T566-T569
- Deadbolt....T592-T593
- Electronic Egress....T592-T593
- Ladder Style....T599-T601
- Locking Ladder Style....T596-T598
- Panic....T592-T593

Handrails Online....T665
Headsets for Electronic Communicators....T501, T503
Heavy-Duty Convex Mirrors....T605-T606
Heavy-Duty Track Assemblies....T450-T451
Hinged Panel Pass-Thru....T463
Hopper, Pass-Thru....T521
Horizontal Pass-Thru Window Components....T433-T435
Horizontal Pass-Thru Windows....T428-T432
Horizontal Sliding Service Windows....T410-T417, T420-T423
Hospitality Hardware....T668-T671
Hydrapunch™ Machine....T633

I

Inset Frame Exchange Windows....T464-T476
Inspection Mirrors....T606

K

KD Storefront Fabrication Service....T619
Keepers, Center Lock....T566-T567, T570-T571
Key Cylinders and Thumbturns....T585, T587-T588, T591
Keymatic Locks....T452, T455

L

Ladder Style Pull Handles....T599-T601
Laguna Series Door System....T654
Large Capacity Transaction Drawers....T515
Lever Handles....T589, T591
Lever Locksets....T572-T574, T578-T581
Locking Ladder Pulls....T596-T598
Locks
- Cabinet Glass Door....T455
- Center....T566-T571
- Clamp-On....T576-T577
- End Cap Sliding Door....T454-T455
- Keymatic....T452, T455
- Magnetic....T594-T595
- No-Drill....T452-T453
- Pass-Thru Window....T435
- Pick-Proof....T452
- Plunger....T453-T455
- Push Button....T569
- Rolling Track....T452
- Showcase....T453
- Slideguard....T453
- Sliding Glass Door....T452-T455
- Slip-On....T576-T577

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A TO Z PRODUCT INDEX

MORE CHOICES crlaurence.com/products

Steel Security Door T559
Stick-On T452
Tamper Proof T452
Track Assembly T452-T455
Low Profile Track Assembly T446-T447

M

Magnetic Locks T594-T595
Magnum Steel Security Screen Doors T555
Mail Slot Package Drop T524
Mail Slots T525-T528
Manufacturing Information T402-T403
Mars Air Curtain T425
Masteroll Track System T436-T437
Metal Column Covers T666
Metal Wall Panel Systems T666
Microphones T501
Mirrors, Convex T605-T607
Mirrors, Security T605-T608
Monterey Bi-Folding Door and Wall System T647-T650
Mortise Lever Locks T578
Mortise Locks T582-T584
Movable Glass Walls T646-T650, T652-T653
Multi-Lite Exchange Windows T465, T469, T473, T478

N

Narrow Inset Frame Windows T468-T471
Niagara Deadbolt and Lever Sets T559
Night Service Windows T484
No-Draft Mail Slots T528
No-Draft Speak-Thrus T506
Non-Ricochet Deal Trays T508
Norcon Electronic Communicators T503
Nylon Ball Bearing Roller T433

O

OfficeFront™ Partition System T634-T635
One Way Screws and Tool T559
Online Catalog T676-T678
Online Programs T624, T639, T641, T665
Overhead Track System, Masteroll T436-T437
Oversized Transaction Drawers T516

P

Package Doors and Drops T523-T524, T527
Package Receivers T518-T522
Panic Handles T592-T593
Parkland Deadbolt and Knob Sets T559
Partition Posts T668-T670
Partitions, Office T634-T635
Pass-Thru
- Components T433-T435
- Drawers T514-T517
- Hinged Panel T463
- Hoppers T521
- Windows T429-T435

Patch Hardware System T645
Perforated Panel Systems T666
Pivot Servers T518
Plastic Speak-Thru Hole Frame T507
Plexiglas Mirrors T605
Plug-In Microphone T501
Pocket Glaze Track Assemblies T448
Pocket Windows T420, T424-T425
Post Railing Systems T664
Power Transformer T501
Protection Levels, Bullet Resistant T460
Protective Barrier Clamps T486-T489
Pulls
- Commercial Door T596-T602
- Glass Door T596-T602
- Ladder Style T599-T601
- Locking Ladder Style T596-T598

Purse Shelf T512
Push/Pull Indicators T604

Q

Quarter Round Pivot Server T518

R

Railing Systems T656-T665
Receivers, Package T518-T522
Recessed Deal Trays T508-T511
Rechargeable Battery Pack T502
Retractable Screen Door System T651
Roll-Ezy Track Assemblies T450-T451
Rolling Track Assemblies T438-T451
Rotary Server With Vision Panel T519
Rotating Drum Window T522
Round Coin Tray T516

S

Security
- Check Point Barrier Systems T560-T564
- Domes, See-Thru T608
- Mirrors T605-T608
- Screen Doors T554-T559
- Showcase Locks T452-T455
- Solutions T545-T608
- Track Assembly T440-T443
- Windows T462-T484

See-Thru Security Domes T608
Self-Closing Sliding Service Windows T414-T415
Service Windows T410-T427
Sharyn "Frameless" Pass-Thru Windows T428
Shelves, Stainless Steel T512-T513
Shower Door Hardware T636-T639
Showers Online T639
Sidelite Rails T642
Slideguard Locks T453
Sliding
- Bullet Resistant Service Windows T482-T483
- Deal Tray with Shelf T512
- Doors T616
- Glass Doors T654-T655
- Pass-Thru Assemblies T428-T432
- Service Windows T410-T417, T420-T423

Snap Together Sash T490
Sneeze Guards T668-T671
Spacer Kits, Ticket Window T427
Spacer Rings, Speak-Thru T504
Speak Hole Rings T507
Speak-Thrus T504-T507
Stacking Doors T652-T653
Stainless Steel
- Convex Mirrors T607
- Deal Trays T508-T511
- Inset Frame Windows T464-T467
- Shelves T512-T513
- Speak-Thrus T504, T506
- Studs T489, T505

Standard Inset Frame Windows T464-T467, T472-T476
Standard Mail Slots T525
Standard Sliding Windows T420-T425
Standoff and Glass Connection Systems T672-T675
Steel Security Door Lock Sets T559
Steel Security Screen Doors T554-T559
Storefront Tools T632-T633
Storefronts T619-T625
Storefronts Online T624, T641
Storefronts, Blast Resistant T530-T537
Storm Front™ Entrance Doors T615
Storm Wall™ XL Hurricane Resistant Curtain Wall T631
Sunset Steel Security Screen Doors T556-T557
Sunshade Systems T666
Surface Mount Track Assembly T448
Surround Frame Option T463
Surround Sound Option T463
Surround Sound Spacers T489, T505
Surveillance Mirrors T605-T608

T

Talk-Thru Communicators T499-T503
TAPER-LOC® T656
Technical Assistance T408, T684-T686
Terrace Doors T614
Thru-Glass
- Electronic Communicators T499, T503
- Gunport T498
- Package Drop T524
- Plunger Locks T453-T455

Ticket Windows T426-T427
Top Hung Pass-Thru Windows T429-T437
Track Assemblies T438-T451
Transaction
- Deal Trays T508-T512
- Drawers T514-T517
- Hopper T521
- Package Receivers T518-T520
- Pass-Thrus T429-T435
- Pivot Servers T518
- Windows T462-T484

Transformer, Power T501
Transpara™ Shower System T638
Two-Way Communicators T499-T503

U

U-Channel T490, T642
Under Counter Mounting Bracket T500
Unit Glazed Systems T625
Universal Push-Pull Paddles T589

V

Vertical Sliding Service Windows T424-T425
Vertical Sliding Ticket Windows T427
Vision Dome Mirrors T608
Vision Windows, Bullet Resistant T494
Voice Transmission Devices T499-T507

W

Wall Mount Sliding Gunport T498
Wall Panels T666
Web Quotes T495
Window Walls T625-T626
Windows
- Air Curtain T425
- Automatic T416-T417
- Bi-Fold T418-T419
- Blast Resistant T542-T544
- Bullet Resistant T462-T484
- Cashier T426
- Clamp-On Frame T477-T481, T484
- Deluxe Sliding Service T410-T417
- Drive-Thru T410-T419
- Electric Sliding T416-T417
- Exchange T462-T481
- Horizontal Sliding T410-T417, T420-T423
- Manual Sliding T410-T413
- Multi-Lite T465, T469, T473, T478
- Narrow Inset Frame T468-T471
- Night Service T484
- Pass-Thru T429-T435
- Pocket T420, T424-T425
- Rotating Drum T522
- Self-Closing T414-T415
- Semi-Automatic Bi-Fold T419
- Service T410-T427
- Standard Inset Frame T464-T467, T472-T476
- Ticket T426-T427
- Transaction T462-T484
- U.S. Aluminum T627
- Vertical Sliding T424-T425
- Vision T494

Windscreen System T663
Wire Conduit Extension Tubes T502
Wireless Headset T501

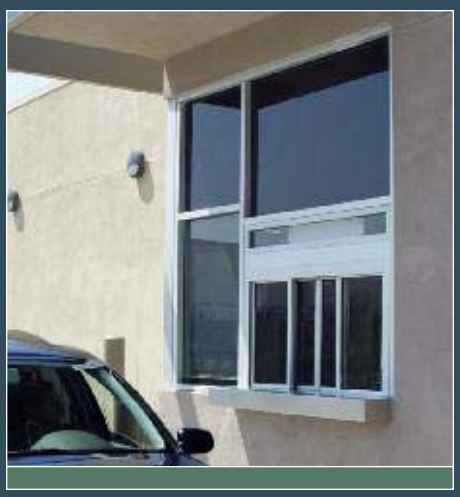
Z

"Z" Type Slideguard Lock T423

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08 8800 Special Function Glazing
10 8600 Security Mirrors and Domes
11 2216 Teller and Service Equipment

CAT. NO. **TH18**



SERVICE WINDOWS
PAGES T409 - T456



BULLET RESISTANT WINDOWS AND DOORS
PAGES T457 -T496



COMMUNICATION AND EXCHANGE HARDWARE
PAGES T497 - T528



BLAST MITIGATION SYSTEMS
PAGES T529 - T544



SECURITY SOLUTIONS
PAGES T545 - T608



ALSO FROM C.R. LAURENCE
PAGES T609 - T675

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