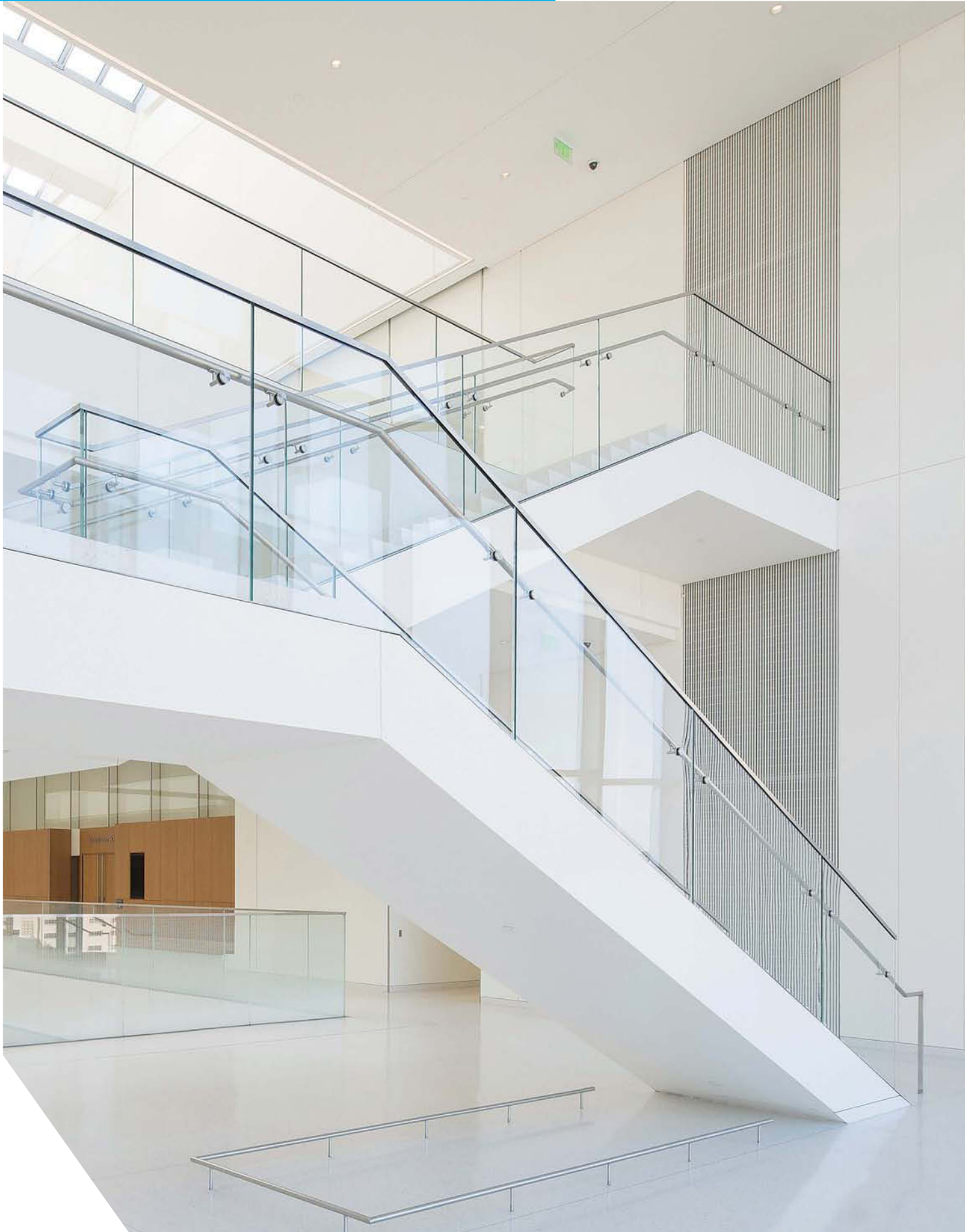


Architectural Glass Railing Systems and Hardware

CRL[®]



Welcome

Explore the CRL Architectural Glass Railing Systems & Hardware Catalog

The **CRL Architectural Glass Railing Systems and Hardware Catalog** is your complete resource for high-quality railing solutions, offering the most comprehensive product selection in the industry.

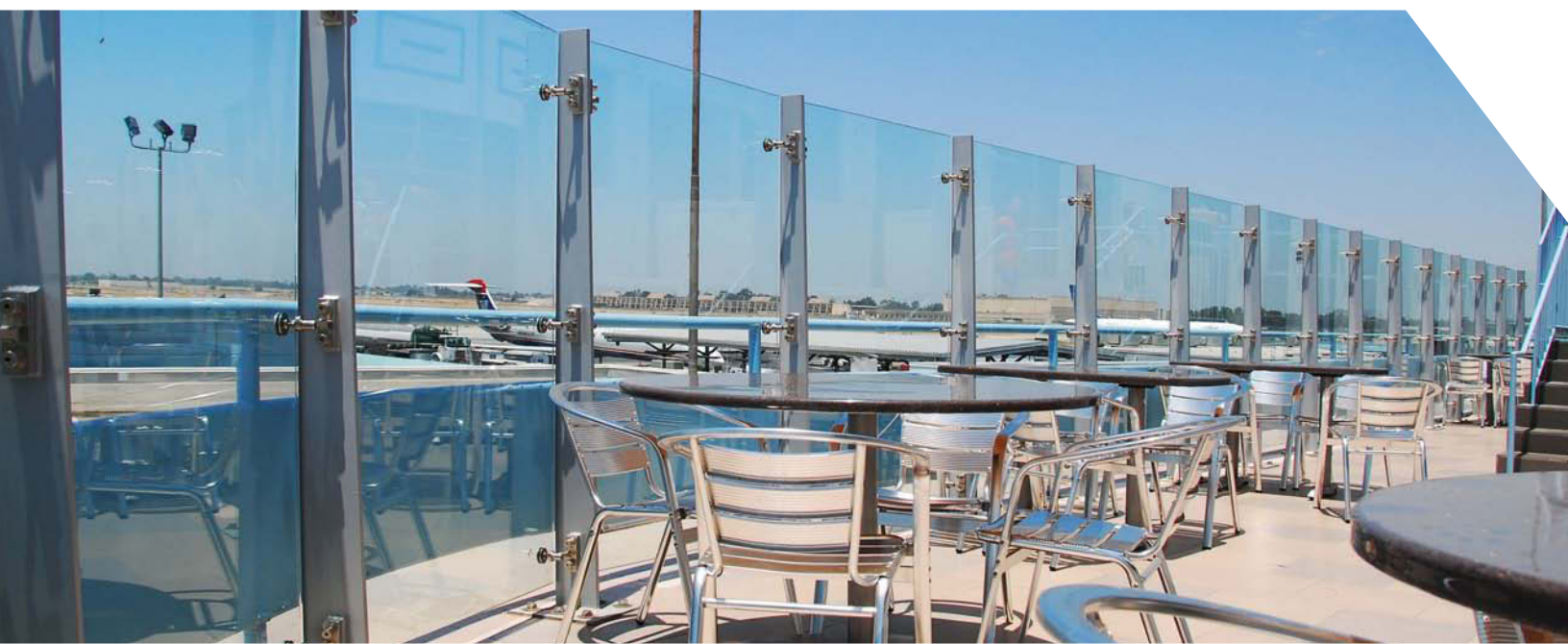
As a premier supplier, **CRL** stands firmly behind every product we offer—delivering a wide array of railing systems. Our extensive catalog includes everything from glass railing components to advanced hardware options, all engineered for durability, safety, and aesthetic appeal.

With CRL's trusted expertise and service, you can confidently bring your vision to life.

Visit crlaurence.com for additional products and technical support.



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GRS Cap Railing Systems (page 76)

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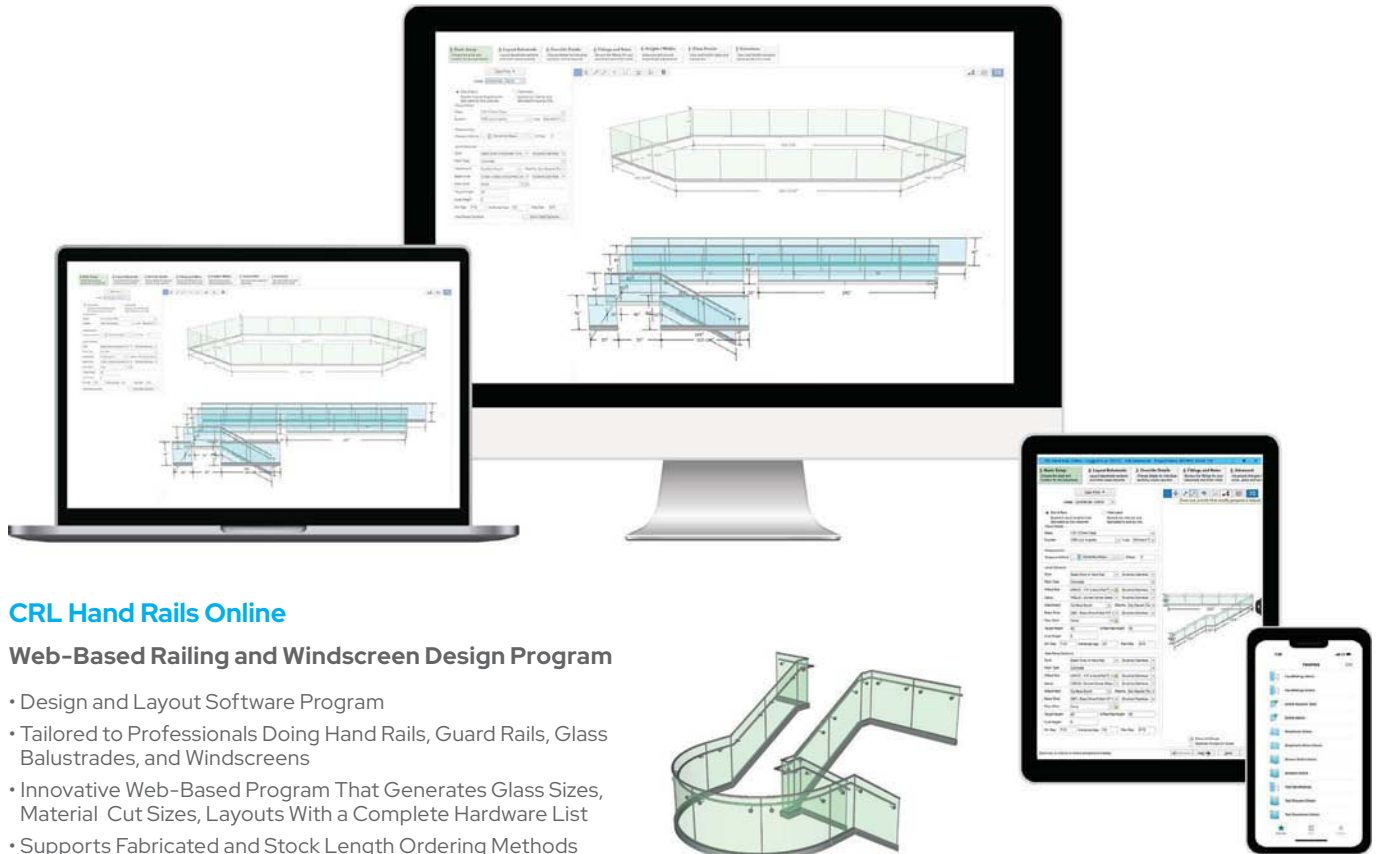


SRS Standoff Railing Systems (page 111)



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CRL Online Services



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
- Six Easy Steps to Design a Railing System, See Them Online at: <https://www.crlaurence.com/Handrails-Online-commercial-handrail-design-tool>
- Generates Accurate Quotes in Minutes

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.

Hand Rails Online is part of our family of online services, including 'All-Glass' Storefronts Online®, Showers Online, and Office Partitions Online. For information about all of our online programs, please visit crlaurence.com.

Code Requirements and safety requirements are subject to local regulations, and can often change without prior notice. Therefore, we ask our customers to contact their local authorities to ensure that they are in compliance with all rules and regulations before starting any project.

Hand Rails Online is available only to CRL Authorized Dealers. You must have Internet access to use it. We offer live technical support to help you learn the process. For additional information, go to crlaurence.com or contact CRL Product Group 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.archmetals@crlaurence.com.

FREE 30 Day Trial Offer
<https://www.crlaurence.com/Handrails-Online-commercial-handrail-design-tool>



More Online Programs

Each one of our online programs provides step-by-step instructions from start to finish, we can help you through your next project.

 **Showers Online**

 **Office Partitions Online**

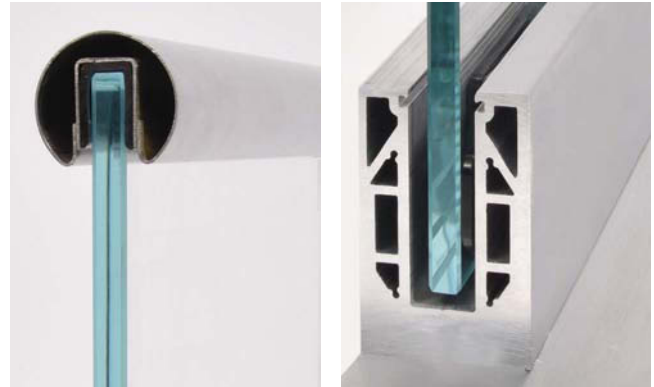
 **Storefronts Online**

CRL GRS Glass Rail Glazing Systems

CRL Balustrades, Guard Rails, and Hand Rails

Not all CRL Glass Rail Systems and materials are suitable for each project specification and safety requirement. Since most building codes make clear the difference between Hand Rails and Guard Rails, you should consult the local code. Normally Hand Rails are noted as used for guidance and support, while Guard Rails are intended to prevent accidental falls.

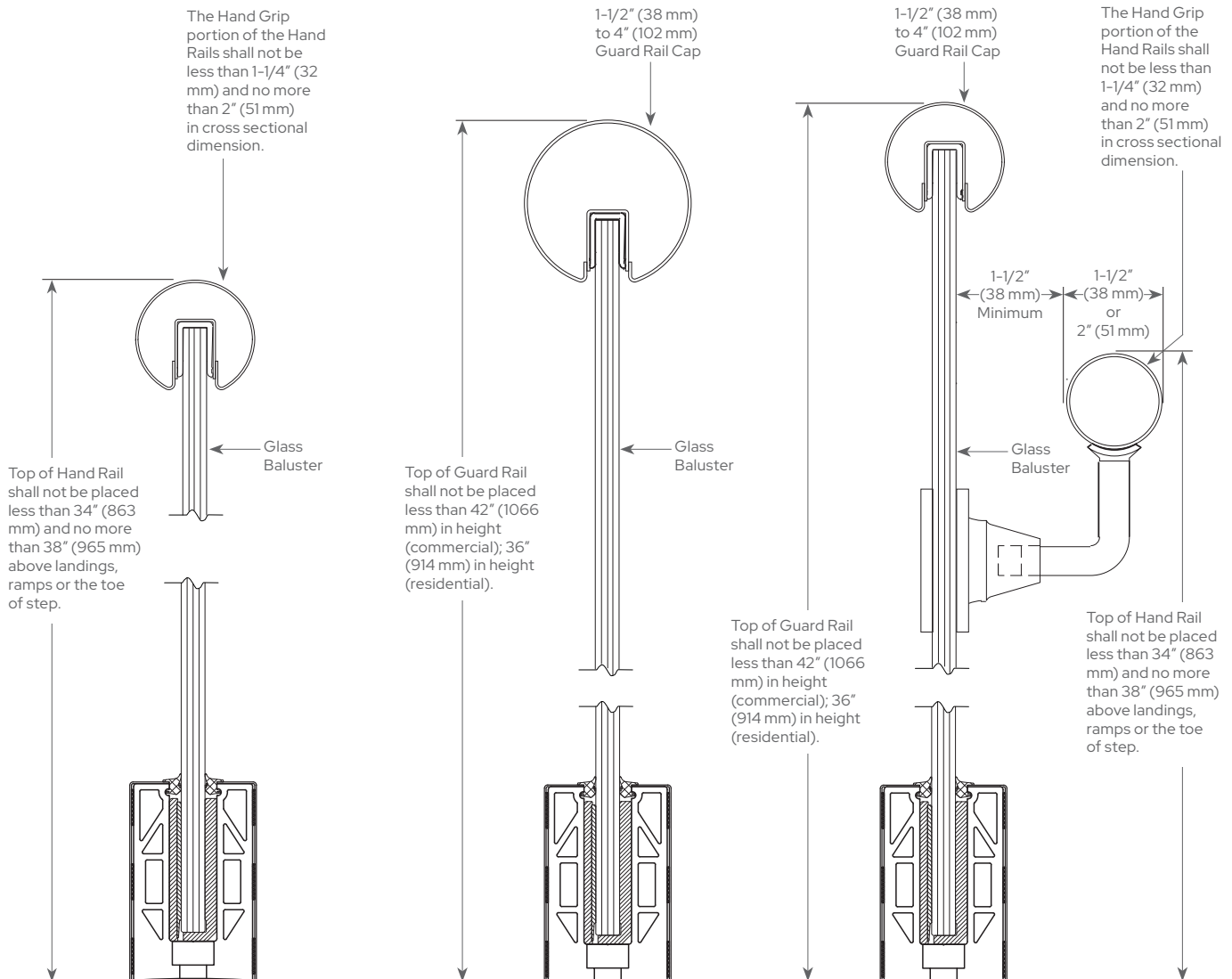
Typically, Hand Rail heights range between 34" (863 mm) and 38" (965 mm), while Guard Rails are typically 42" (1066 mm) in height. It is sometimes noted in the code that the Guard Rail must include a Hand Rail as well. Again, check your local codes before beginning any Hand Rail or Guard Rail project.



Hand Rail Balustrade
(Residential Stairs)

Guard Rail Balustrade
(Residential and Commercial)

Hand Rail/Guard Rail
(Residential and Commercial)



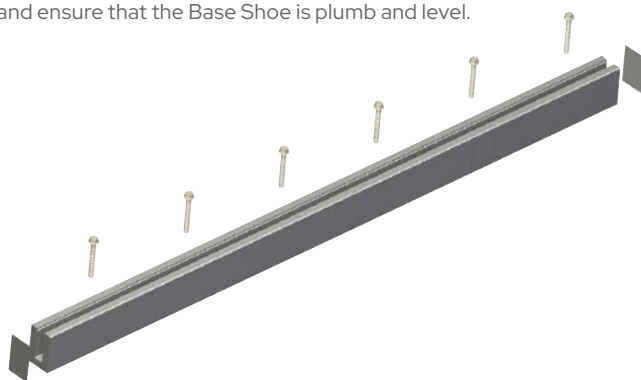
CRL GRS Glass Rail Glazing Systems



Basic Installation Instructions

1. Glass Railing Base Shoe Installation

Lay out the Base Shoe stock lengths or pre-fabricated shoe sections. Attach the Base Shoe to the substrate using the approved fasteners. Be sure to use the correct mounting hardware and ensure that the Base Shoe is plumb and level.



2. Glass Panel Installation

There are two ways of installing the glass panels into the Base Shoe, CRL's Dry Glazed Method and CRL's Wet Glazed Method. For Dry Glazed applications the TAPER-LOC® Tapers will self center the glass panels. The TLK12 Installation /Removal tool mechanically slides the tapers horizontally in the Base Shoe and compresses them together. During installation for Wet Glazed applications remember to plumb and level the glass panels in the Shoe before pouring the expanding cement.



3. Top Cap and Hand Rail Installation

Position the Top Cap and Hand Rail stock lengths or pre-fabricated sections. Install the Top Cap with the supplied vinyl insert and structural silicone. This will help align the glass panels during installation. After the Top Cap has been completed, install the optional glass mounted Hand Rail Brackets along with the optional Hand Rail, align and position the Hand Rail as required before mechanically attaching in place.



4. Complete

With proper care and maintenance the appearance of your GRS Glass Railing System will last for years. Go to crlaurence.com for Care and Cleaning Instructions.

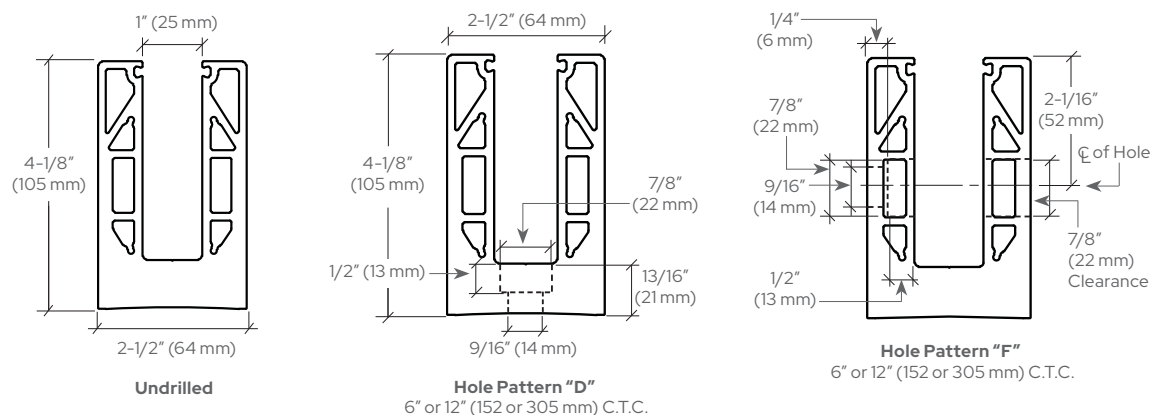


CRL GRS Glass Railing Base Shoe

CRL 8B Series Square Base Shoe

- For 1/2" (12 mm) Monolithic Tempered Glass
- Environmentally Friendly (Green Product)
- 30% Lighter than CRL's Traditional B5S Series Base Shoe
- Typically Used as the Base Channel for Glass Railing Systems or Windscreens
- Drilled and Counter Bored, or We Will Custom Drill to Your Specifications
- Custom Cutting and Mitering Service Available
- 6063 Alloy, T52 Temper

CRL 8B Series Square Base Shoe is used as the base channel for glass railing systems. It can be clad in seven choices of architectural finishes (see page 15). The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners, with associated fasteners shown on page 53.



GLASS SPECIFICATIONS:
For use with 1/2" (12 mm) Thick Monolithic Tempered Glass when using TAPER-LOC® Dry Glaze System and Wet Glaze System

Works With

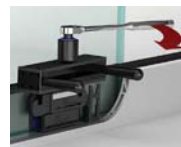
TL5X10
TAPER-LOC®
Standard
Taper Sets



TLXATSM
TAPER-LOC®
Adjustable
Taper Sets



TAPER-LOC®
DRY GLAZE SYSTEM
For Use with TL5X10 and
TLXATSM TAPER-LOC®
Taper Sets for 1/2" (12 mm)
Monolithic Tempered Glass



WET GLAZE
SYSTEM
For Use with
1/2" (12 mm)
Monolithic
Tempered Glass



8B SERIES SQUARE BASE SHOE

12" (305 MM) C.T.C.	6" (152 MM) C.T.C.				
CAT. NO.	CAT. NO.	STOCK LENGTH*	HOLE SIZE	COUNTER BORE X DEPTH	WEIGHT
8B10D	8B10D6	120" (3.05 m)	9/16" (14 mm)	7/8" (22 mm) x 1/2" (13 mm)	60 pounds (27 kg)
8B20D	8B20D6	240" (6.10 m)	9/16" (14 mm)	7/8" (22 mm) x 1/2" (13 mm)	120 pounds (54 kg)
8B10F	8B10F6	120" (3.05 m)	9/16" (14 mm)	7/8" (22 mm) x 1/2" (13 mm)	60 pounds (27 kg)
8B20F	8B20F6	240" (6.10 m)	9/16" (14 mm)	7/8" (22 mm) x 1/2" (13 mm)	120 pounds (54 kg)
8B10	----	120" (3.05 m)	----	Extrusion Only (Without Holes)	60 pounds (27 kg)
8B20	----	240" (6.10 m)	----	Extrusion Only (Without Holes)	120 pounds (54 kg)

Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. * Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

NOTE: 120" (3.05 m) and 240" (6.10 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

SHIPPING NOTE: Due to the difficulty in packaging and handling 240" (6.10 m) stock lengths, it is suggested that you take delivery of these at any of our service centers. If requiring shipment, all packaging and handling concerns must be agreed to by CRL and the customer prior to shipping. All shipping arrangements will be documented on your quotation for your signed approval.

CRL GRS Glass Railing Base Shoe

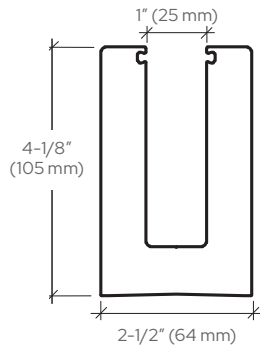
CRL B5S Series Standard Square Base Shoe

- For 1/2" (12 mm) Monolithic Tempered Glass
- Typically Used as the Base Channel for Glass Railing Systems or Windscreens
- Drilled and Counter Bored, or We Will Custom Drill to Your Specifications
- Custom Cutting and Mitering Service Available
- 6063 Alloy, T52 Temper

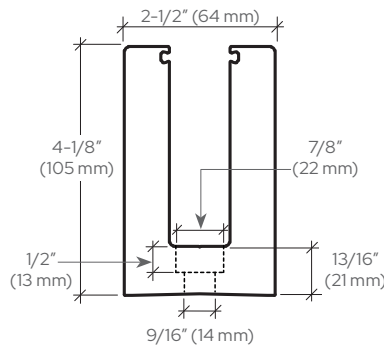
CRL B5S Series Standard Square Base Shoe is used as the base channel for glass railing systems. It can be clad in seven choices of architectural finishes (see page 15). The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners with associated fasteners shown on page 53.



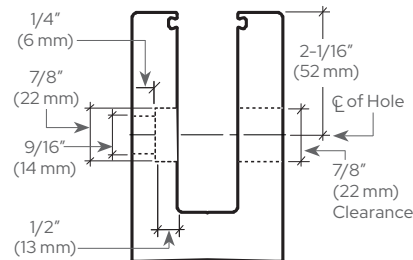
Safety Seal Gasket Retention Groove (Patent Pending)



Undrilled



Hole Pattern "D"
6" or 12" (152 or 305 mm) C.T.C.



Hole Pattern "F"
6" or 12" (152 or 305 mm) C.T.C.

GLASS SPECIFICATIONS:
For use with 1/2" (12 mm) Thick Monolithic Tempered Glass when using TAPER-LOC® Dry Glaze System and Wet Glaze System

Works With

TL5X10
TAPER-LOC®
Standard
Taper Sets



TLXATSM
TAPER-LOC®
Adjustable
Taper Sets



TAPER-LOC®
DRY GLAZE SYSTEM
For Use with TL5X10 and
TLXATSM TAPER-LOC®
Taper Sets for 1/2" (12 mm)
Monolithic Tempered Glass



WET GLAZE
SYSTEM
For Use with
1/2" (12 mm)
Monolithic
Tempered Glass



B5S SERIES STANDARD SQUARE BASE SHOE

12" (305 MM) C.T.C. 6" (152 MM) C.T.C.

CAT. NO.	CAT. NO.	STOCK LENGTH*	HOLE SIZE	COUNTER BORE X DEPTH	WEIGHT
B5S10D	B5S10D6	120" (3.05 m)	9/16" (14 mm)	7/8" (22 mm) x 1/2" (13 mm)	84 pounds (38 kg)
B5S20D	B5S20D6	240" (6.10 m)	9/16" (14 mm)	7/8" (22 mm) x 1/2" (13 mm)	167 pounds (76 kg)
B5S10F	B5S10F6	120" (3.05 m)	9/16" (14 mm)	7/8" (22 mm) x 1/2" (13 mm)	84 pounds (38 kg)
B5S20F	B5S20F6	240" (6.10 m)	9/16" (14 mm)	7/8" (22 mm) x 1/2" (13 mm)	167 pounds (76 kg)
B5S10	----	120" (3.05 m)	----	Extrusion Only (Without Holes)	84 pounds (38 kg)
B5S20	----	240" (6.10 m)	----	Extrusion Only (Without Holes)	167 pounds (76 kg)

Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. * Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

NOTE: 120" (3.05 m) and 240" (6.10 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

SHIPPING NOTE: Due to the difficulty in packaging and handling 240" (6.10 m) stock lengths, it is suggested that you take delivery of these at any of our service centers. If requiring shipment, all packaging and handling concerns must be agreed to by CRL and the customer prior to shipping. All shipping arrangements will be documented on your quotation for your signed approval.

CRL GRS Glass Railing Base Shoe

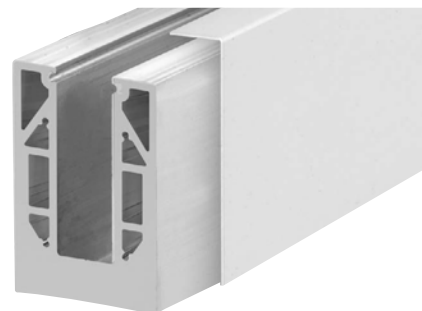
CRL Cladding for 8B and B5S Series Standard Square Base Shoe

Straight Cladding for 8B and B5S Series Standard Square Base Shoe

- Available in Seven Architectural Finishes
- Custom Cutting and Mitring Service Available

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
BSCBS10	304	20/.035"	120" (3.05 m)	Brushed Stainless
BSCPS10	304	20/.035"	120" (3.05 m)	Polished Stainless
BSCBS106	316	20/.035"	120" (3.05 m)	Brushed Stainless
BSCPS106	316	20/.035"	120" (3.05 m)	Polished Stainless
BSCPB10	C260	.045"	120" (3.05 m)	Polished Brass
BSCSB10	C260	.045"	120" (3.05 m)	Satin Brass
BSCSA10	5052	.050"	120" (3.05 m)	Satin Anodized
BSCDU10	5052	.050"	120" (3.05 m)	Dark Bronze Anodized
BSCMBL10*	5052	.050"	120" (3.05 m)	Matte Black

Minimum order: 1 each. *Minimum order: 10 each. All finishes can be combined for quantity pricing. Custom lengths up to 168" (4.26 m) are available on special order. Must ship common carrier.



CRL Cladding allows the user to match any of seven architectural finishes offered in Cap Railing. It can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37).

NOTE: Base Shoe requires two pieces for coverage on both sides.

Fascia Cladding for 8B and B5S Series Standard Square Base Shoe

- Available in Six Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant
- Custom Cutting and Mitring Service Available

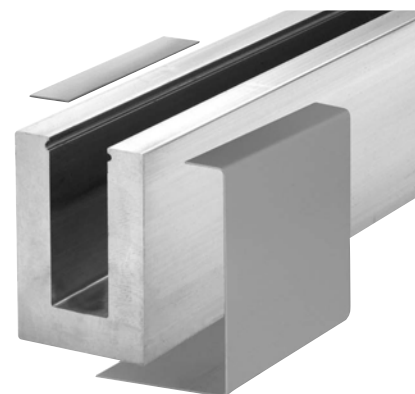
OUTSIDE FASCIA CLADDING

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
B5COFBS	304	20/.035"	120" (3.05 m)	Brushed Stainless
B5COFPS	304	20/.035"	120" (3.05 m)	Polished Stainless
B5COFPB	C260	.045"	120" (3.05 m)	Polished Brass
B5COFSB	C260	.045"	120" (3.05 m)	Satin Brass
B5COFSA	5052	.050"	120" (3.05 m)	Satin Anodized
B5COFDU	5052	.050"	120" (3.05 m)	Dark Bronze Anodized

INSIDE FASCIA CLADDING STRIP

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
B5CIFBS	304	20/.035"	120" (3.05 m)	Brushed Stainless
B5CIFPS	304	20/.035"	120" (3.05 m)	Polished Stainless
B5CIFPB	C260	.045"	120" (3.05 m)	Polished Brass
B5CIFSB	C260	.045"	120" (3.05 m)	Satin Brass
B5CIFSA	5052	.050"	120" (3.05 m)	Satin Anodized
B5CIFDU	5052	.050"	120" (3.05 m)	Dark Bronze Anodized

Minimum order for both Inside and Outside Fascia Cladding: 1 each. All finishes can be combined for quantity pricing. Custom lengths up to 168" (4.26 m) are available on special order. Must ship common carrier.

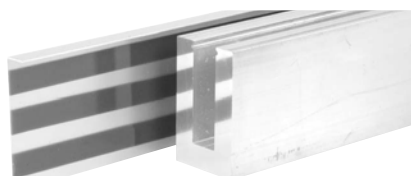


CRL Fascia Cladding is offered for applications where the Base Shoe is installed to the side of the substrate. We offer Outside Fascia Cladding that will conceal the three exposed outside edges of the Base Shoe. We also offer the Inside Fascia Cladding Strip that will cover the top inside edge of the Base Shoe.

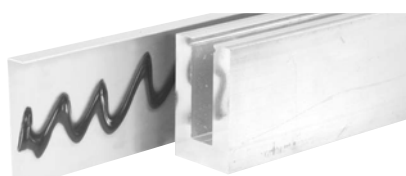
NOTE: Outside and Inside Fascia Cladding are sold separately.

Application Suggestions for CRL Cladding

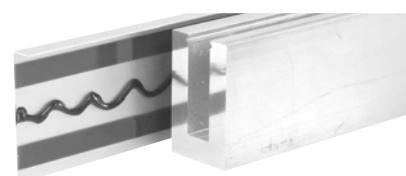
There are various methods of attaching the Cladding to the Base Shoe. All three types shown below will work, but a combination of AT234 Cladding Tape and 95CBL Neutral Cure Silicone (Type C) offers the best of two worlds; the instant bond of the tape along with the speed of application of the silicone and its flexible, durable adhesion.



Type A: Apply three rows of Tape to the inside face and two rows to the inside bottom leg of the Cladding. Carefully align the Cladding to the Base Shoe and press in place.



Type B: Apply Silicone to the inside face and bottom leg of the Cladding. Carefully align Cladding to the Base Shoe and press in place. Use clamps to hold the Cladding in place until the Silicone cures.



Type C: Apply two rows of Tape to the inside face of the Cladding, one toward the top and one toward the bottom. Apply the Silicone between the rows of Tape. Apply one row of Tape to the bottom leg, closest to the outer edge. Apply Silicone between Tape and corner bend in Cladding. Carefully align the Cladding to the Base Shoe and press in place.

CRL GRS Glass Railing Base Shoe

CRL Cladding for 8B and B5S Series Standard Square Base Shoe

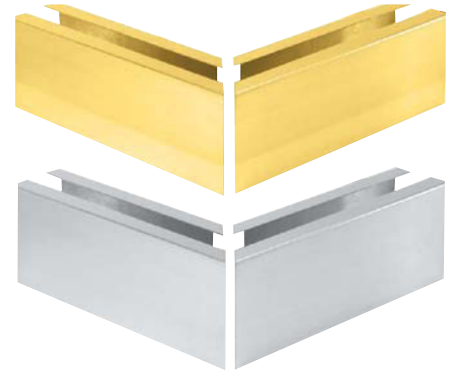
12" Mitered Corner Cladding for 8B and B5S Series Standard Square Base Shoe

- 90 Degree and 135 Degree Corner Set
- Available in Six Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant

CRL Mitered Corner Cladding allows the user to match any of six architectural finishes offered in Cap Railing. Each leg is 12" (305 mm) in length, and can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). Four pieces per set.

90 DEGREE CORNER CAT. NO.	135 DEGREE CORNER CAT. NO.	GRADE	GA./THK.	FINISH
B5S90BS	B5S135BS	304	20/.035"	Brushed Stainless
B5S90PS	B5S135PS	304	20/.035"	Polished Stainless
B5S90BS6	B5S135BS6	316	20/.035"	Brushed Stainless
B5S90PS6	B5S135PS6	316	20/.035"	Polished Stainless
B5S90PB	B5S135PB	C260	.045"	Polished Brass
B5S90SB	B5S135SB	C260	.045"	Satin Brass
B5S90SA	B5S135SA	5052	.050"	Satin Anodized
B5S90DU	B5S135DU	5052	.050"	Dark Bronze Anodized

Minimum order: 1 set. All finishes can be combined for quantity pricing.



End Caps for 8B and B5S Series Standard Square Base Shoe

- Available in Seven Architectural Finishes

CRL End Caps allow the user to match any of seven architectural in Cap Railing. B5SEC End Caps are secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). 8BC End Caps are secured by four screws (included). One per package.

FOR 8B CAT. NO.	FOR B5S CAT. NO.	GRADE	GA./THK.	FINISH
8BCBS	B5SECBS	304	20/.035"	Brushed Stainless
8BCPS	B5SECPS	304	20/.035"	Polished Stainless
8BCBS6	B5SECBS6	316	20/.035"	Brushed Stainless
8BCPS6	B5SECPS6	316	20/.035"	Polished Stainless
8BCPB	B5SECPB	C260	.045"	Polished Brass
8BCSB	B5SECSB	C260	.045"	Satin Brass
8BCSA	B5SECSA	5052	.050"	Satin Anodized
8BCDU	B5SECDU	5052	.050"	Dark Bronze Anodized
----	B5SECMBL	5052	.050"	Matte Black

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



For 8B Series

For B5S Series

12" Welded End Cladding for 8B and B5S Series Standard Square Base Shoe

- Available in Four Architectural Finishes
- Adhere With Silicone Sealant

CRL Welded End Cladding allows the user to match any of the architectural finishes offered in Cap Railing. It is 12" (305 mm) in length, and can be secured to the Base Shoe using CRL 95CBL Silicone Sealant (see page 37). One per package.

CAT. NO.	GRADE	GA./THK.	FINISH
B5SWCBS	304	20/.035"	Brushed Stainless
B5SWCPS	304	20/.035"	Polished Stainless
B5SWCBS6	316	20/.035"	Brushed Stainless
B5SWCPS6	316	20/.035"	Polished Stainless
B5SWCPB	C260	.045"	Polished Brass
B5SWCSB	C260	.045"	Satin Brass

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



CRL GRS Glass Railing Base Shoe

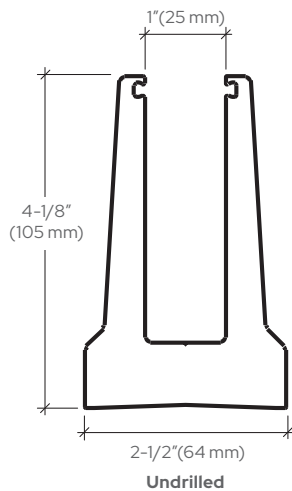
CRL B5T Series Tapered Base Shoe

- For 1/2" (12 mm) Monolithic Tempered Glass
- Typically Used as the Base Channel for Glass Railing Systems Requiring a Flush Installation Embedded in Concrete
- Works With TL5X10 and TLXATSM TAPER-LOC® Taper Sets
- Drilled and Counter Bored, or We Will Custom Drill to Your Specifications
- 6063 Alloy, T52 Temper

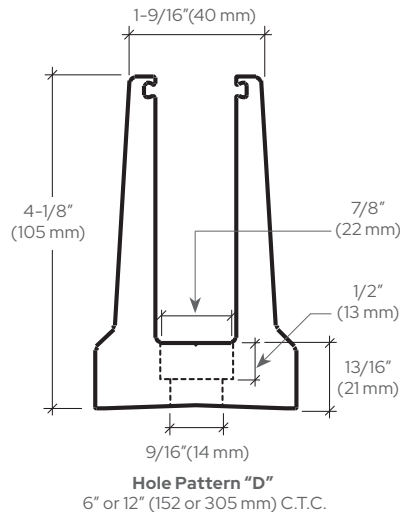
CRL B5T Tapered Base Shoe is typically used as the base channel for glass railing systems. It can be clad in six choices of architectural finishes. The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners with associated fasteners shown on page 53.



Safety Seal Gasket Retention Groove (Patent Pending)



Undrilled



Hole Pattern "D"

6" or 12" (152 or 305 mm) C.T.C.



Safety Seal for Safer and Faster Installations, (see page 42).

Works With

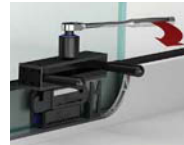
TL5X10
TAPER-LOC®
Standard
Taper Sets



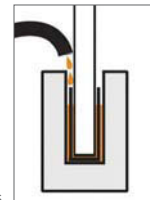
TLXATSM
TAPER-LOC®
Adjustable
Taper Sets



TAPER-LOC®
DRY GLAZE SYSTEM
For Use with TL5X10 and
TLXATSM TAPER-LOC®
Taper Sets for 1/2" (12 mm)
Monolithic Tempered Glass



WET GLAZE
SYSTEM
For Use with
1/2" (12 mm)
Monolithic
Tempered Glass



B5T SERIES STANDARD TAPERED BASE SHOE

12" (305 MM) C.T.C. 6" (152 MM) C.T.C.

CAT. NO.	CAT. NO.	STOCK LENGTH*	HOLE SIZE	COUNTER BORE X DEPTH	WEIGHT
B5T10D	B5T10D6	120" (3.05 m)	9/16" (14 mm)	7/8" (22 mm) x 1/2" (13 mm)	57 pounds (26 kg)
B5T20D	B5T20D6	240" (6.10 m)	9/16" (14 mm)	7/8" (22 mm) x 1/2" (13 mm)	114 pounds (52 kg)
B5T10	----	120" (3.05 m)	----	Extrusion Only (Without Holes)	57 pounds (26 kg)
B5T20	----	240" (6.10 m)	----	Extrusion Only (Without Holes)	114 pounds (52 kg)

Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. * Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

NOTE: 120" (3.05 m) and 240" (6.10 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

SHIPPING NOTE: Due to the difficulty in packaging and handling 240" (6.10 m) stock lengths, it is suggested that you take delivery of these at any of our service centers. If requiring shipment, all packaging and handling concerns must be agreed to by CRL and the customer prior to shipping. All shipping arrangements will be documented on your quotation for your signed approval.

CRL GRS Glass Railing Base Shoe

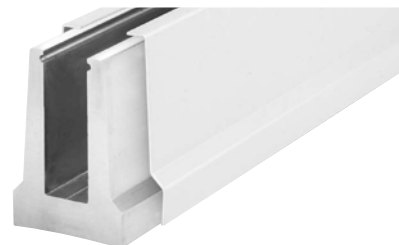
CRL Cladding for B5T Series Tapered Base Shoe

Straight Cladding for B5T Series Tapered Base Shoe

- Available in Six Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant
- Custom Cutting and Mitring Service Available

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
BTCBS10	304	20/.035"	120" (3.05 m)	Brushed Stainless
BTCPS10	304	20/.035"	120" (3.05 m)	Polished Stainless
BTCPB10	C260	.045"	120" (3.05 m)	Polished Brass
BTCSB10	C260	.045"	120" (3.05 m)	Satin Brass
BTCSA10	5052	.050"	120" (3.05 m)	Satin Anodized
BTCDU10	5052	.050"	120" (3.05 m)	Dark Bronze Anodized

Minimum order: 1 each. All finishes can be combined for quantity pricing. Custom lengths up to 168" (4.26 m) are available on special order. Must ship common carrier.



CRL Cladding allows the user to match any of six architectural finishes offered in Cap Railing. It can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37).

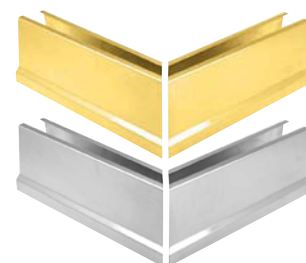
NOTE: Sold by individual pieces. Base Shoe requires two pieces for coverage on both sides.

12" Mitered Corner Cladding for B5T Series Tapered Base Shoe

- 90 Degree and 135 Degree Corner Set
- Available in Six Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant

90 DEGREE CORNER CAT. NO.	135 DEGREE CORNER CAT. NO.	GRADE	GA./THK.	FINISH
B5T90BS	B5T135BS	304	20/.035"	Brushed Stainless
B5T90PS	B5T135PS	304	20/.035"	Polished Stainless
B5T90PB	B5T135PB	C260	.045"	Polished Brass
B5T90SB	B5T135SB	C260	.045"	Satin Brass
B5T90SA	B5T135SA	5052	.050"	Satin Anodized
B5T90DU	B5T135DU	5052	.050"	Dark Bronze Anodized

Minimum order: 1 set. All finishes can be combined for quantity pricing.



CRL Mitered Corner Cladding allows the user to match any of six architectural finishes offered in Cap Railing. Each leg is 12" (305 mm) in length, and can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). Four pieces per set.

End Caps for B5T Series Tapered Base Shoe

- Available in Six Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant

CAT. NO.	GRADE	GA./THK.	FINISH
B5TECBS	304	20/.035"	Brushed Stainless
B5TECPs	304	20/.035"	Polished Stainless
B5TECPB	C260	.045"	Polished Brass
B5TECSB	C260	.045"	Satin Brass
B5TECSA	5052	.050"	Satin Anodized
B5TECDU	5052	.050"	Dark Bronze Anodized

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

CRL End Caps allow the user to match any of six architectural finishes offered in Cap Railing. They can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). One per package.



Alternate Method for Finishing Base Shoe Top

- Preferred for Exterior Installations Where a More Positive Seal is Required

An alternate method to finish off the Base Shoe's top opening is to roll in 5/8" (16 mm) Foam Backer Rod and run a cap bead of our Cat. No. 95CBL Neutral Cure Silicone (see page 37) over it. This method is preferred in exterior installations where a more positive seal is required.



Roll in Backer Rod

CAT. NO.	DESCRIPTION
SBRR	Roller Tool for Foam Backer Rod
BOCBR58C	100' (30.5 m) Roll 5/8" (16 mm) Foam Backer Rod
BOCBR58	1400' (426 m) Roll 5/8" (16 mm) Foam Backer Rod

Minimum order: Cat. No. SBRR is one each; Cat. No. BOCBR58C is one roll; Cat. No. BOCBR58 is one case.



Gun Cap Bead of Silicone

DESCRIPTION

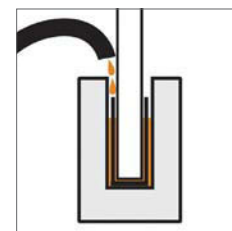
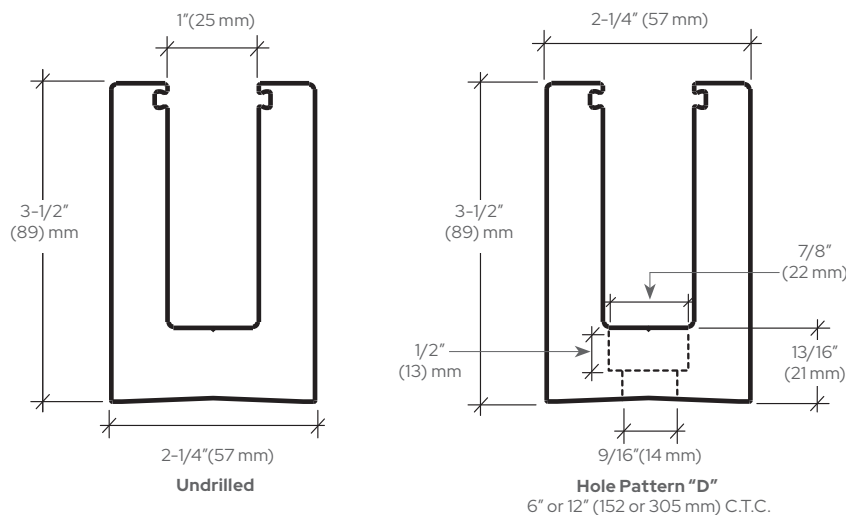
Roller Tool for Foam Backer Rod
100' (30.5 m) Roll 5/8" (16 mm) Foam Backer Rod
1400' (426 m) Roll 5/8" (16 mm) Foam Backer Rod

CRL GRS Glass Railing Base Shoe

CRL B5L Series Low Profile Square Base Shoe

- For 1/2" (12 mm) Monolithic Tempered Glass Wet Glazed Only
- Lower Profile Desired in Residential and Marine Applications
- Typically Used as the Base Channel for Glass Railing Systems or Windscreens
- Drilled and Counter Bored, or We Will Custom Drill to Your Specifications
- Custom Cutting and Mitering Service Available
- 6063 Alloy, T52 Temper

CRL B5L Series Low Profile Square Base Shoe is used as the base channel for glass railing systems. It can be clad in six choices of architectural finishes (see page 15). The Low Profile Square Base Shoe is for use with the Wet Glaze System only. The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners, with associated fasteners shown on page 53.



WET GLAZE SYSTEM
For Use with 1/2" (12 mm)
Monolithic Tempered Glass



Safety Seal for Safer and
Faster Installations
(see page 42).

GLASS SPECIFICATIONS:

For use with 1/2" (12 mm) Thick Monolithic Tempered Glass when using the Wet Glaze System Low Profile Square Base Shoe cannot be used for the TAPER-LOC® Dry Glaze System.

B5L SERIES LOW PROFILE SQUARE BASE SHOE

12" (305 MM) C.T.C.	6" (152 MM) C.T.C.				
CAT. NO.	CAT. NO.	STOCK LENGTH*	HOLE SIZE	COUNTER BORE X DEPTH	WEIGHT
B5L10D	B5L10D6	120" (3.05 m)	9/16" (14 mm)	7/8" x 1/2" (22 x 13 mm)	61 pounds (28 kg)
B5L20D	B5L20D6	240" (6.10 m)	9/16" (14 mm)	7/8" x 1/2" (22 x 13 mm)	121 pounds (55 kg)
B5L10	----	120" (3.05 m)	----	Extrusion Only (Without Holes)	61 pounds (28 kg)
B5L20	----	240" (6.10 m)	----	Extrusion Only (Without Holes)	121 pounds (55 kg)

Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. * Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

SHIPPING NOTE: Due to the difficulty in packaging and handling 240" (6.10 m) stock lengths, it is suggested that you take delivery of these at any of our service centers. If requiring shipment, all packaging and handling concerns must be agreed to by CRL and the customer prior to shipping. All shipping arrangements will be documented on your quotation for your signed approval.

CRL GRS Glass Railing Base Shoe

CRL Cladding for B5L Series Low Profile Base Shoe

Straight Cladding for B5L Series Low Profile Base Shoe

- Available in Six Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant
- Custom Cutting and Mitering Service Available

CRL Cladding can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant shown on page 37.

NOTE: Sold by individual pieces. Base Shoe requires two pieces for coverage on both sides.

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
BLCBS10	304	20/.035"	120" (3.05 m)	Brushed Stainless
BLCPS10	304	20/.035"	120" (3.05 m)	Polished Stainless
BLCPB10	C260	.045"	120" (3.05 m)	Polished Brass
BLCBS10	C260	.045"	120" (3.05 m)	Satin Brass
BLCSA10	5052	.050"	120" (3.05 m)	Satin Anodized
BLCDU10	5052	.050"	120" (3.05 m)	Dark Bronze Anodized

Minimum order: 1 each. All finishes can be combined for quantity pricing. Custom lengths up to 168" (4.26 m) are available on special order. Must ship common carrier.

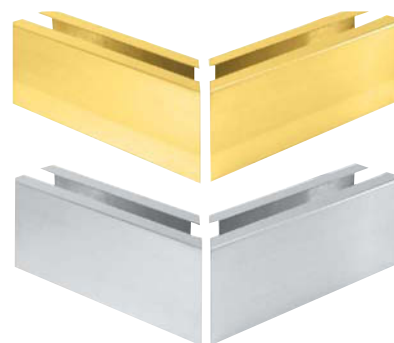


12" Mitered Corner Cladding for B5L Series Low Profile Base Shoe

- 90 Degree and 135 Degree Corner Sets
- Available in Six Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant

90 DEGREE CORNER CAT. NO.	135 DEGREE CORNER CAT. NO.	GRADE	GA./THK.	FINISH
B5L90BS	B5L135BS	304	20/.035"	Brushed Stainless
B5L90PS	B5L135PS	304	20/.035"	Polished Stainless
B5L90PB	B5L135PB	C260	.045"	Polished Brass
B5L90SB	B5L135SB	C260	.045"	Satin Brass
B5L90SA	B5L135SA	5052	.050"	Satin Anodized
B5L90DU	B5L135DU	5052	.050"	Dark Bronze Anodized

Minimum order: 1 set. All finishes can be combined for quantity pricing.



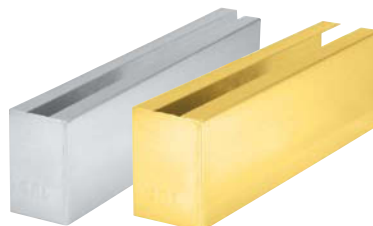
Mitered Corner Cladding is 12" (305 mm) in length, and can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant. Four pieces per set.

12" Welded End Cladding for B5L Series Low Profile Base Shoe

- Available in Four Architectural Finishes
- Adhere With Silicone Sealant

CAT. NO.	GRADE	GA./THK.	FINISH
B5LWCBS	304	20/.035"	Brushed Stainless
B5LWCPS	304	20/.035"	Polished Stainless
B5LWCPB	C260	.045"	Polished Brass
B5LWCSB	C260	.045"	Satin Brass

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



End Cladding is 12" (305 mm) in length, and can be secured to the Base Shoe using 92CBL Silicone Sealant. One per package.

End Caps for B5L Series Low Profile Base Shoe

- Available in Six Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant

CAT. NO.	GRADE	GA./THK.	FINISH
B5LECBS	304	20/.035"	Brushed Stainless
B5LECPB	304	20/.035"	Polished Stainless
B5LECSB	C260	.045"	Polished Brass
B5LECSB	C260	.045"	Satin Brass
B5LECSA	5052	.050"	Satin Anodized
B5LECDU	5052	.050"	Dark Bronze Anodized

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



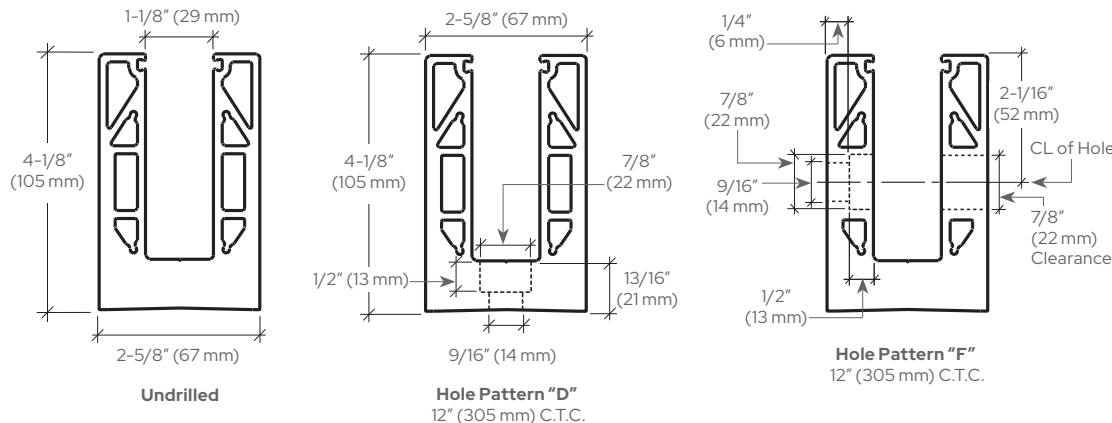
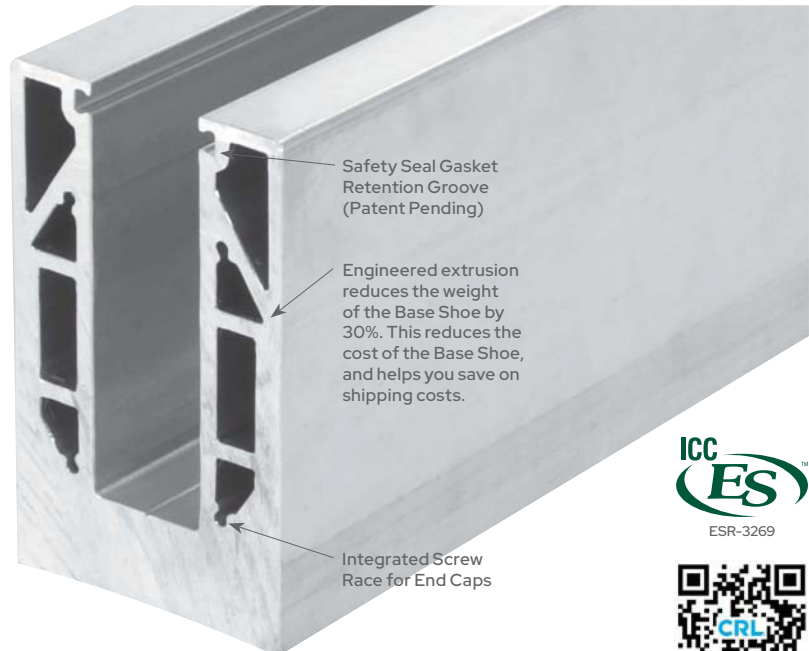
End Caps can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant. One per package.

CRL GRS Glass Railing Base Shoe

CRL 8B58 Series Square Base Shoe

- For 5/8" (15.09 to 16.66 mm) Monolithic Tempered Glass
- Environmentally Friendly (Green Product)
- 30% Lighter than CRL's Traditional B6N Series Base Shoe
- Drilled and Counter Bored, or We Will Custom Drill to Your Specifications
- Custom Cutting and Mitering Service Available
- 6063 Alloy, T52 Temper

CRL 8B58 Series Square Base Shoe is used as the base channel for glass railing systems. It can be clad in seven choices of architectural finishes (see page 15). The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners. with associated fasteners shown on page 53.



GLASS SPECIFICATIONS: For use with 5/8" (15 mm) thick North American Monolithic Tempered Glass meets ASTM, BSI, and DIN tolerance standards. Thickness range: 15.09 mm (0.594") to 16.66 mm (0.656")

Works With

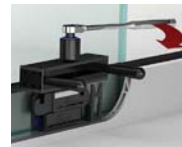
TL5X10
TAPER-LOC®
Standard
Taper Sets



TLXATSM
TAPER-LOC®
Adjustable
Taper Sets



TAPER-LOC®
DRY GLAZE SYSTEM
For Use with TL5X10 and
TLXATSM TAPER-LOC®
Taper Sets for 5/8" (15.09
to 16.66 mm) Monolithic
Tempered Glass



WET GLAZE
SYSTEM
For Use with
5/8" (15.09 to
16.66 mm)
Monolithic
Tempered Glass



8B58 SERIES SQUARE BASE SHOE

12" (305 MM) C.T.C.

CAT. NO.

8B58D

BB58F

BB58

STOCK LENGTH*

120" (3.05 m)

120" (3.05 m)

120" (3.05 m)

HOLE SIZE

9/16" (14 mm)

9/16" (14 mm)

COUNTER BORE X DEPTH

7/8" (22 mm) x 1/2" (13 mm)

7/8" (22 mm) x 1/2" (13 mm)

Extrusion Only (Without Holes)

WEIGHT

60 pounds (27 kg)

60 pounds (27 kg)

60 pounds (27 kg)

Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. * Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.
NOTE: 120" (3.05 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

CRL GRS Glass Railing Base Shoe

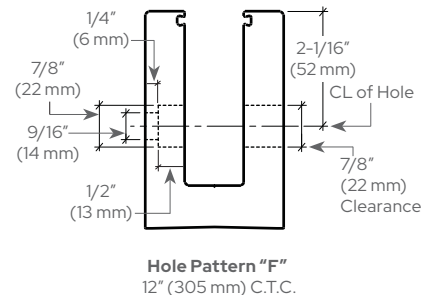
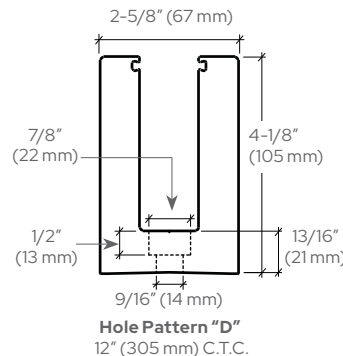
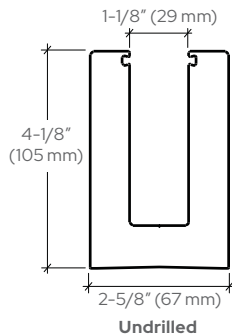
CRL B6N Series Square Base Shoe

- Tempered Glass 5/8" (15.09 to 16.66 mm) Thick
- Drilled and Counter Bored, or We Will Custom Drill to Your Specifications
- Custom Cutting and Mitering Service Available
- 6063 Alloy, T52 Temper

CRL B6N Series Square Base Shoe are used as the base channel for glass railing systems. They can be clad in seven choices of architectural finishes. The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners.



Safety Seal Gasket Retention Groove (Patent Pending)

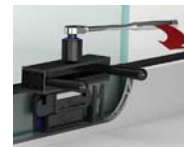


GLASS SPECIFICATIONS: For use with 5/8" (15 mm) thick North American Monolithic Tempered Glass meets ASTM, BSI, and DIN tolerance standards. Thickness range: 15.09 mm (0.594") to 16.66 mm (0.656")

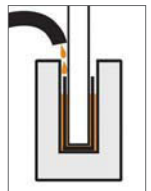
Works With



TAPER-LOC®
DRY GLAZE SYSTEM
For Use with TL5X10 and
TLXATSM TAPER-LOC®
Taper Sets for Monolithic
Tempered Glass



WET GLAZE
SYSTEM
For Use with
5/8" (15 mm)
Monolithic
Tempered Glass



B6N SERIES SQUARE BASE SHOE

12" (305 MM) C.T.C.

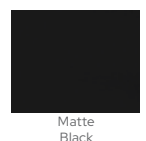
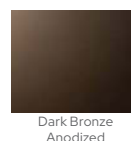
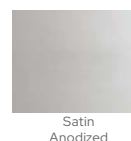
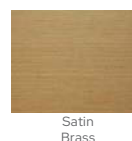
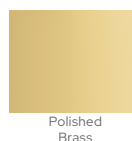
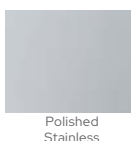
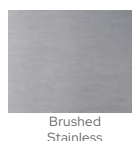
CAT. NO.	STOCK LENGTH*	HOLE SIZE	COUNTER BORE X DEPTH	WEIGHT
B6N10D	120" (3.05 m)	9/16" (14 mm)	7/8" x 1/2" (22 x 13 mm)	86 pounds (39 kg)
B6N10F	120" (3.05 m)	9/16" (14 mm)	7/8" x 1/2" (22 x 13 mm)	86 pounds (39 kg)
B6N10	120" (3.05 m)	----	Extrusion Only (Without Holes)	86 pounds (39 kg)

Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. *Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

NOTE: 120" (3.05 m) and 118-1/8" (3 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

STANDARD FINISHES

Finishes shown are representative only, and may vary slightly from actual color, and texture. If finish match is critical, please contact CRL Product Group Sales for additional information.



CRL GRS Glass Railing Base Shoe

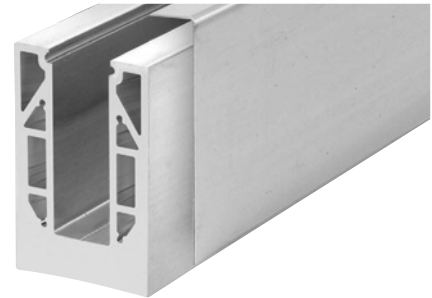
CRL Cladding for 8B58, and B6N Series Square Base Shoe

Straight Cladding for 8B58, and B6N Series Square Base Shoe

• Custom Cutting and Mitering Service Available

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
BSCBS10	304	20/.035"	120" (3.05 m)	Brushed Stainless
BSCPS10	304	20/.035"	120" (3.05 m)	Polished Stainless
BSCBS106	316	20/.035"	120" (3.05 m)	Brushed Stainless
BSCPS106	316	20/.035"	120" (3.05 m)	Polished Stainless
BSCPB10	C260	.045"	120" (3.05 m)	Polished Brass
BSCSB10	C260	.045"	120" (3.05 m)	Satin Brass
BSCSA10	5052	.050"	120" (3.05 m)	Satin Anodized
BSCDU10	5052	.050"	120" (3.05 m)	Dark Bronze Anodized
BSCMBL10*	5052	.050"	120" (3.05 m)	Matte Black

Minimum order: 1 each. *Minimum order: 10 each. All finishes can be combined for quantity pricing. Custom lengths up to 168" (4.26 m) are available on special order. Must ship common carrier.



CRL Cladding can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37).

NOTE: Sold by individual pieces. Base Shoe requires two pieces for coverage on both sides.

Fascia Cladding for 8B58, and B6N Series Square Base Shoe

- Available in Six Architectural Finishes
- Outside and Inside Fascia Cladding Are Sold Separately

OUTSIDE FASCIA CLADDING

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
B6COFBS	304	20/.035"	120" (3.05 m)	Brushed Stainless
B6COFPS	304	20/.035"	120" (3.05 m)	Polished Stainless
B6COFPB	C260	.045"	120" (3.05 m)	Polished Brass
B6COFSB	C260	.045"	120" (3.05 m)	Satin Brass
B6COFSA	5052	.050"	120" (3.05 m)	Satin Anodized
B6COFDU	5052	.050"	120" (3.05 m)	Dark Bronze Anodized

Minimum order: 1 each. All finishes can be combined for quantity pricing. Custom lengths up to 168" (4.26 m) are available on special order. Must ship common carrier.

INSIDE FASCIA CLADDING STRIP

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
B5CIFBS	304	20/.035"	120" (3.05 m)	Brushed Stainless
B5CIFPS	304	20/.035"	120" (3.05 m)	Polished Stainless
B5CIFPB	C260	.045"	120" (3.05 m)	Polished Brass
B5CIFSB	C260	.045"	120" (3.05 m)	Satin Brass
B5CIFSA	5052	.050"	120" (3.05 m)	Satin Anodized
B5CIFDU	5052	.050"	120" (3.05 m)	Dark Bronze Anodized

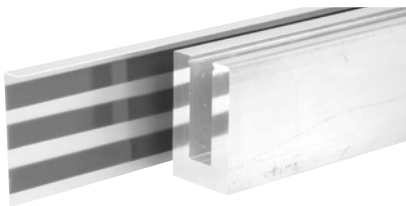
Minimum order: 1 each. All finishes can be combined for quantity pricing. Custom lengths up to 168" (4.26 m) are available on special order. Must ship common carrier.



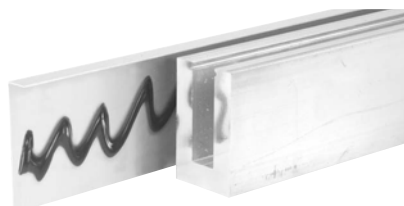
CRL Fascia Cladding is offered for applications where the Base Shoe is installed to the side of the substrate. We offer Outside Fascia Cladding that will conceal the three exposed outside edges of the Base Shoe. We also offer the Inside Fascia Cladding Strip that will cover the top inside edge of the Base Shoe.

Application Suggestions for CRL Cladding

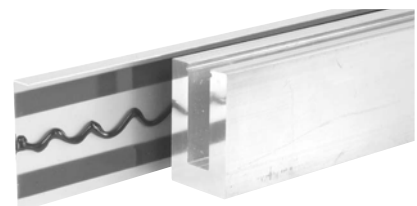
There are various methods of attaching the Cladding to the Base Shoe. All three types shown below will work, but a combination of AT234 Cladding Tape and or 95CBL Neutral Cure Silicone (Type C) offers the best of two worlds; the instant bond of the tape along with the speed of application of the silicone and its flexible, durable adhesion.



Type A: Apply three rows of Tape to the inside face and two rows to the inside bottom leg of the Cladding. Carefully align the Cladding to the Base Shoe and press in place.



Type B: Apply Silicone to the inside face and bottom leg of the Cladding. Carefully align Cladding to the Base Shoe and press in place. Use clamps to hold the Cladding in place until the Silicone cures.



Type C: Apply two rows of Tape to the inside face of the Cladding, one toward the top and one toward the bottom. Apply the Silicone between the rows of Tape. Apply one row of Tape to the bottom leg, closest to the outer edge. Apply Silicone between Tape and corner bend in Cladding. Carefully align the Cladding to the Base Shoe and press in place.

CRL GRS Glass Railing Base Shoe

CRL Cladding for 8B58, and B6N Series Square Base Shoe

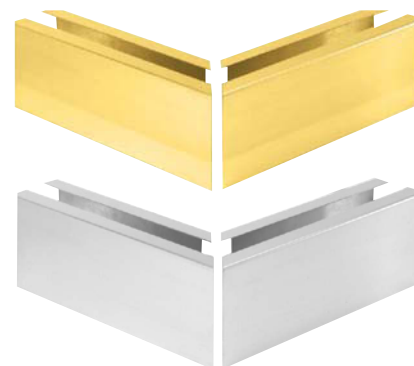
12" Mitered Corner Cladding for 8B58, and B6N Series Square Base Shoe

- 90 Degree and 135 Degree Corner Sets
- Available in Six Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant

CRL Mitered Corner Cladding allows the user to match any of six architectural finishes offered in Cap Railing. Each leg is 12" (305 mm) in length, and can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant. Four pieces per set.

90 DEGREE CORNER CAT. NO.	135 DEGREE CORNER CAT. NO.	GRADE	GA./THK.	FINISH
B6S90BS	B6S135BS	304	20/.035"	Brushed Stainless
B6S90PS	B6S135PS	304	20/.035"	Polished Stainless
B6S90BS6	B6S135BS6	316	20/.035"	Brushed Stainless
B6S90PS6	B6S135PS6	316	20/.035"	Polished Stainless
B6S90PB	B6S135PB	C260	.045"	Polished Brass
B6S90SB	B6S135SB	C260	.045"	Satin Brass
B6S90SA	B6S135SA	5052	.050"	Satin Anodized
B6S90DU	B6S135DU	5052	.050"	Dark Bronze Anodized

Minimum order: 1 set. All finishes can be combined for quantity pricing.



CAT. NO.
SCCS5
Cladding Color
Chip Chain
Minimum order
is one each.



12" Welded End Cladding for 8B58, and B6N Series Standard Square Base Shoe

- Available in Four Architectural Finishes
- Adhere With Silicone Sealant

CRL End Caps allow the user to match any of six architectural finishes offered in Cap Railing. B6 End Caps are secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). 8B58 End Caps are secured by four screws (included). One per package.

CAT. NO.	GRADE	GA./THK.	FINISH
B6WECBS	304	20/.035"	Brushed Stainless
B6WECPS	304	20/.035"	Polished Stainless
B6WECBS6	316	20/.035"	Brushed Stainless
B6WECPS6	316	20/.035"	Polished Stainless
B6WECPB	C260	.045"	Polished Brass
B6WECBS	C260	.045"	Satin Brass

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



End Caps for 8B58, and B6N Series Square Base Shoe

- Available in Six Architectural Finishes

CRL End Caps allow the user to match any of six architectural finishes offered in Cap Railing. B6 End Caps are secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). 8B58 End Caps are secured by four screws (included). One per package.

FOR 8B58 CAT. NO.	FOR B6N CAT. NO.	GRADE	GA./THK.	FINISH
8B58CBS	B6SECBS	304	20/.035"	Brushed Stainless
8B58CPS	B6SECPS	304	20/.035"	Polished Stainless
8B58CBS6	B6SECBS6	316	20/.035"	Brushed Stainless
8B58CPS6	B6SECPS6	316	20/.035"	Polished Stainless
8B58CPB	B6SECPB	C260	.045"	Polished Brass
8B58CSB	B6SECSB	C260	.045"	Satin Brass
8B58CSA	B6SECSA	5052	.050"	Satin Anodized
8B58CDU	B6SECDU	5052	.050"	Dark Bronze Anodized
----	B6SECMBL	5052	.050"	Matte Black

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



For 8B58 Series

For B6N Series

CRL GRS Glass Railing Base Shoe

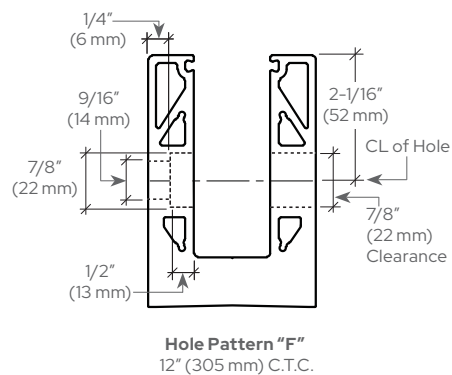
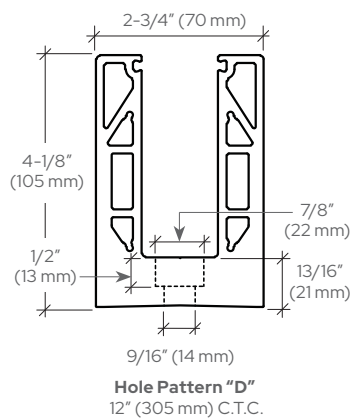
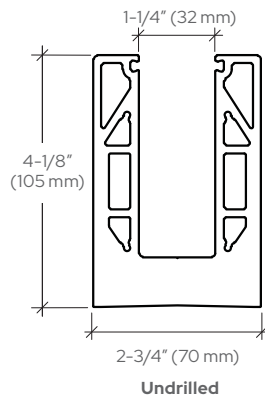
CRL 8B34 Series Heavy-Duty Square Base Shoe

- For 3/4" (19 mm) Monolithic Tempered Glass
- Environmentally Friendly (Green Product)
- 30% Lighter than CRL's Traditional B7S Series Base Shoe
- Typically Used as the Base Channel for Glass Railing Systems in Arenas
- Drilled and Counter Bored, or We Will Custom Drill to Your Specifications
- Custom Cutting and Mitering Service Available
- 6063 Alloy, T52 Temper

CRL 8B34 Series Heavy-Duty Square Base Shoe is used as the base channel for glass railing systems. It can be clad in seven choices of architectural finishes (see page 15). The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners, with associated fasteners shown on page 53.

GLASS SPECIFICATIONS:

For use with 3/4" (19 mm) Thick Monolithic Tempered Glass when using TAPER-LOC® Dry Glaze System or Wet Glaze System

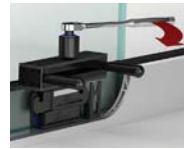


Safety Seal for Safer and Faster Installations (see page 42). Integrated Screw Race for End Caps

Works With



TAPER-LOC® DRY GLAZE SYSTEM
For Use with TL5X10 and TLXATSM TAPER-LOC® Taper Sets for 3/4" (19 mm) Monolithic Tempered Glass



WET GLAZE SYSTEM
For Use with 3/4" (19 mm) Monolithic Tempered Glass



8B34 SERIES HEAVY-DUTY SQUARE BASE SHOE

12" (305 mm) C.T.C.

CAT. NO.	STOCK LENGTH*	HOLE SIZE	COUNTER BORE X DEPTH	WEIGHT
8B34D**	120" (3.05 m)	9/16" (14 mm)	7/8" (22 mm) x 1/2" (13 mm)	60 pounds (27 kg)
8B34F**	120" (3.05 m)	9/16" (14 mm)	7/8" (22 mm) x 1/2" (13 mm)	60 pounds (27 kg)
8B34	120" (3.05 m)	----	Extrusion Only (Without Holes)	60 pounds (27 kg)

** Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. *Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

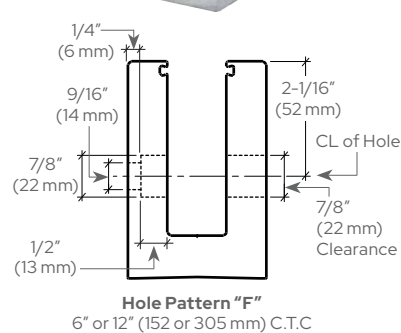
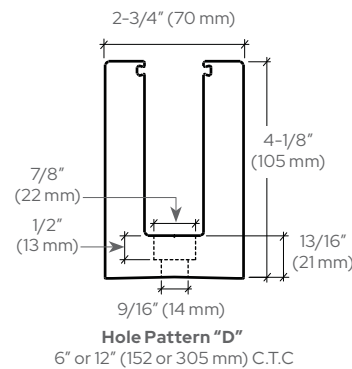
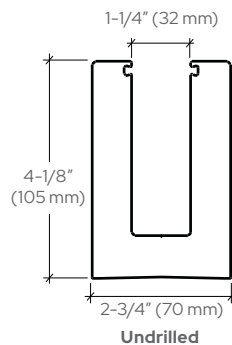
NOTE: 120" (3.05 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

CRL GRS Glass Railing Base Shoe

CRL B7S Series Heavy-Duty Square Base Shoe

- For 3/4" (19 mm) Monolithic Tempered Glass
- Typically Used as the Base Channel for Glass Railing Systems in Arenas
- Drilled and Counter Bored, or We Will Custom Drill to Your Specifications
- Custom Cutting and Mitering Service Available
- 6063 Alloy, T52 Temper

CRL B7S Series Heavy-Duty Square Base Shoe is used as the base channel for glass railing systems. It can be clad in seven choices of architectural finishes (see page 15). The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners, with associated fasteners shown on page 53.



Safety Seal for Safer and Faster Installations (see page 42). Integrated Screw Race for End Caps

GLASS SPECIFICATIONS:

For use with 3/4" (19 mm) Thick Monolithic Tempered Glass when using TAPER-LOC® Dry Glaze System or Wet Glaze System.

Works With

TL5X10
TAPER-LOC®
Standard
Taper Sets



TLXATSM
TAPER-LOC®
Adjustable
Taper Sets



TAPER-LOC®
DRY GLAZE SYSTEM
For Use with TL5X10 and
TLXATSM TAPER-LOC®
Taper Sets for 3/4" (19 mm)
Monolithic Tempered Glass



WET GLAZE
SYSTEM
For Use with
3/4" (19 mm)
Monolithic
Tempered Glass



B7S SERIES HEAVY-DUTY SQUARE BASE SHOE

12" (305 MM) C.T.C.	6" (152 MM) C.T.C.				
CAT. NO.	CAT. NO.	STOCK LENGTH*	HOLE SIZE	COUNTER BORE X DEPTH	WEIGHT
B7S10D**	B7S10D6**	120" (3.05 m)	9/16" (14 mm)	7/8" x 1/2" (22 x 13 mm)	86 pounds (39 kg)
B7S20D**	B7S20D6**	240" (6.10 m)	9/16" (14 mm)	7/8" x 1/2" (22 x 13 mm)	172 pounds (78 kg)
B7S10F**	B7S10F6**	120" (3.05 m)	9/16" (14 mm)	7/8" x 1/2" (22 x 13 mm)	86 pounds (39 kg)
B7S20F**	B7S20F6**	240" (6.10 m)	9/16" (14 mm)	7/8" x 1/2" (22 x 13 mm)	172 pounds (78 kg)
B7S10	----	120" (3.05 m)	----	Extrusion Only (Without Holes)	86 pounds (39 kg)
B7S20	----	240" (6.10 m)	----	Extrusion Only (Without Holes)	172 pounds (78 kg)

** Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. *Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

NOTE: 120" (3.05 m) and 240" (6.10 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

SHIPPING NOTE: Due to the difficulty in packaging and handling 240" (6.10 m) stock lengths it is suggested that you take delivery of these at any of our service centers. If requiring shipment, all packaging and handling concerns must be agreed to by CRL and the customer prior to shipping. All shipping arrangements will be documented on your quotation for your signed approval.

CRL GRS Glass Railing Base Shoe

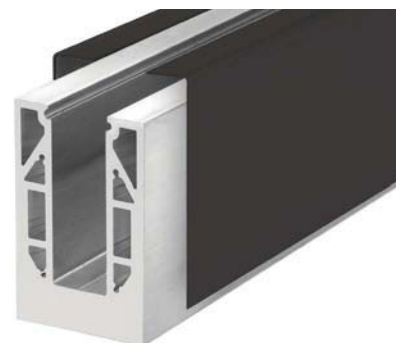
CRL Cladding for 8B34, and B7S Series Heavy-Duty Square Base Shoe

Straight Cladding for 8B34, and B7S Series Heavy-Duty Square Base Shoe

- Available in Seven Architectural Finishes
- Custom Cutting and Mitering Service Available

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
BSCBS10	304	20/.035"	120" (3.05 m)	Brushed Stainless
BSCPS10	304	20/.035"	120" (3.05 m)	Polished Stainless
BSCBS106	316	20/.035"	120" (3.05 m)	Brushed Stainless
BSCPS106	316	20/.035"	120" (3.05 m)	Polished Stainless
BSCPBI0	C260	.045"	120" (3.05 m)	Polished Brass
BSCSB10	C260	.045"	120" (3.05 m)	Satin Brass
BSCSA10	5052	.050"	120" (3.05 m)	Satin Anodized
BSCDU10	5052	.050"	120" (3.05 m)	Dark Bronze Anodized
BSCMBL10*	5052	.050"	120" (3.05 m)	Matte Black

Minimum order: 1 each. *Minimum order: 10 each. All finishes can be combined for quantity pricing. Custom lengths up to 168" (4.26 m) are available on special order. Must ship common carrier.



CRL Cladding can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37).

NOTE: Sold by individual pieces. Base Shoe requires two pieces for coverage on both sides.

Fascia Cladding for 8B348, and B7S Series Square Heavy Duty Base Shoe

- Available in Six Architectural Finishes
- Outside and Inside Fascia Cladding Are Sold Separately

OUTSIDE FASCIA CLADDING

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
B7COFBS	304	20/.035"	120" (3.05 m)	Brushed Stainless
B7COFPS	304	20/.035"	120" (3.05 m)	Polished Stainless
B7COFPB	C260	.045"	120" (3.05 m)	Polished Brass
B7COFSB	C260	.045"	120" (3.05 m)	Satin Brass
B7COFSA	5052	.050"	120" (3.05 m)	Satin Anodized
B7COFDU	5052	.050"	120" (3.05 m)	Dark Bronze Anodized

Minimum order: 1 each. All finishes can be combined for quantity pricing. Custom lengths up to 168" (4.26 m) are available on special order. Must ship common carrier.

INSIDE FASCIA CLADDING STRIP

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
B5CIFBS	304	20/.035"	120" (3.05 m)	Brushed Stainless
B5CIFPS	304	20/.035"	120" (3.05 m)	Polished Stainless
B5CIFPB	C260	.045"	120" (3.05 m)	Polished Brass
B5CIFSB	C260	.045"	120" (3.05 m)	Satin Brass
B5CIFSA	5052	.050"	120" (3.05 m)	Satin Anodized
B5CIFDU	5052	.050"	120" (3.05 m)	Dark Bronze Anodized

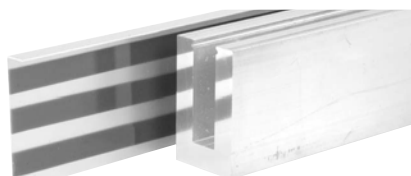
Minimum order: 1 each. All finishes can be combined for quantity pricing. Custom lengths up to 168" (4.26 m) are available on special order. Must ship common carrier.



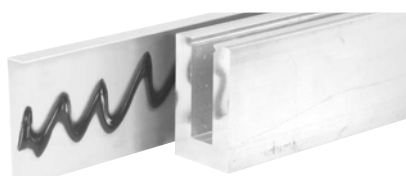
CRL Fascia Cladding is offered for applications where the Base Shoe is installed to the side of the substrate. We offer Outside Fascia Cladding that will conceal the three exposed outside edges of the Base Shoe. We also offer the Inside Fascia Cladding Strip that will cover the top inside edge of the Base Shoe.

Application Suggestions for CRL Cladding

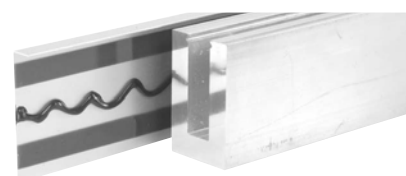
There are various methods of attaching the Cladding to the Base Shoe. All three types shown below will work, but a combination of AT234 Cladding Tape and 95CBL Neutral Cure Silicone (Type C) offers the best of two worlds; the instant bond of the tape along with the speed of application of the silicone and its flexible, durable adhesion.



Type A: Apply three rows of Tape to the inside face and two rows to the inside bottom leg of the Cladding. Carefully align the Cladding to the Base Shoe and press in place.



Type B: Apply Silicone to the inside face and bottom leg of the Cladding. Carefully align Cladding to the Base Shoe and press in place. Use clamps to hold the Cladding in place until the Silicone cures.



Type C: Apply two rows of Tape to the inside face of the Cladding, one toward the top and one toward the bottom. Apply the Silicone between the rows of Tape. Apply one row of Tape to the bottom leg, closest to the outer edge. Apply Silicone between Tape and corner bend in Cladding. Carefully align the Cladding to the Base Shoe and press in place.

CRL GRS Glass Railing Base Shoe

CRL Cladding for 8B34 and B7S Series Heavy-Duty Square Base Shoe

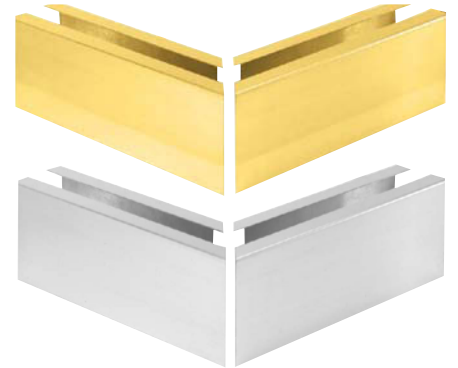
12" Mitered Corner Cladding for 8B34 and B7S Series Heavy Duty Square Base Shoe

- 90 Degree and 135 Degree Corner Set
- Available in Six Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant

CRL Mitered Corner Cladding allows the user to match any of six architectural finishes offered in Cap Railing. Each leg is 12" (305 mm) in length, and can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). Four pieces per set.

90 DEGREE CORNER CAT. NO.	135 DEGREE CORNER CAT. NO.	GRADE	GA./THK.	FINISH
B7S90BS	B7S135BS	304	20/.035"	Brushed Stainless
B7S90PS	B7S135PS	304	20/.035"	Polished Stainless
B7S90BS6	B7S135BS6	316	20/.035"	Brushed Stainless
B7S90PS6	B7S135PS6	316	20/.035"	Polished Stainless
B7S90PB	B7S135PB	C260	.045"	Polished Brass
B7S90SB	B7S135SB	C260	.045"	Satin Brass
B7S90SA	B7S135SA	5052	.050"	Satin Anodized
B7S90DU	B7S135DU	5052	.050"	Dark Bronze Anodized

Minimum order: 1 set. All finishes can be combined for quantity pricing.



12" Welded End Cladding for 8B34 and B7S Series Heavy-Duty Square Base Shoe

- Available in Four Architectural Finishes
- Adhere With Silicone Sealant

CRL Welded End Cladding allows the user to match any of the architectural finishes offered in Cap Railing. It is 12" (305 mm) in length, and can be secured to the Base Shoe using CRL 95CBL Silicone Sealant (see page 37). One per package.

CAT. NO.	GRADE	GA./THK.	FINISH
B7SWCBS	304	20/.035"	Brushed Stainless
B7SWCPS	304	20/.035"	Polished Stainless
B7SWCBS6	316	20/.035"	Brushed Stainless
B7SWCPS6	316	20/.035"	Polished Stainless
B7SWCPB	C260	.045"	Polished Brass
B7SWCSB	C260	.045"	Satin Brass

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



End Caps for 8B34 and B7S Series Heavy-Duty Square Base Shoe

- Available in Seven Architectural Finishes

CRL End Caps allow the user to match any of seven architectural in Cap Railing. B7SEC End Caps are secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). 8B34 End Caps are secured by four screws (included). One per package.

FOR 8B34 CAT. NO.	FOR B7S CAT. NO.	GRADE	GA./THK.	FINISH
8B34CBS	B7SECBS	304	20/.035"	Brushed Stainless
8B34CPS	B7SECP	304	20/.035"	Polished Stainless
8B34CBS6	B7SECBS6	316	20/.035"	Brushed Stainless
8B34CPS6	B7SECP6	316	20/.035"	Polished Stainless
8B34CPB	B7SECPB	C260	.045"	Polished Brass
8B34CSB	B7SECSB	C260	.045"	Satin Brass
8B34CSA	B7SECSA	5052	.050"	Satin Anodized
8B34CDU	B7SECDU	5052	.050"	Dark Bronze Anodized
----	B7SECMBL	5052	.050"	Matte Black

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



For 8B34 Series

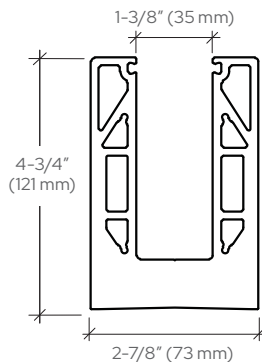
For B7S Series

CRL GRS Glass Railing Base Shoe

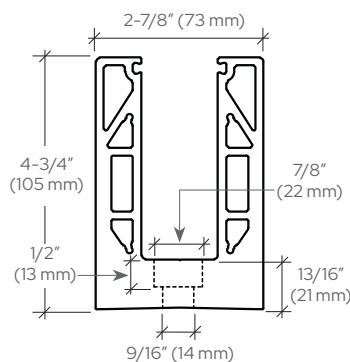
CRL 9BL56 Series Laminated Square Base Shoe

- For 9/16" (13.52 mm) Laminated Tempered Glass
- Environmentally Friendly (Green Product)
- 30% Lighter than CRL's Traditional L56S Series Base Shoe
- Typically Used as the Base Channel for Glass Railing Systems or Windscreens
- Works With LTL96X1 TAPER-LOC® Standard Taper Sets
- Custom Cutting and Mitring Service Available
- Engineering Reports Available
- Not Recommended for Use With Wet Set Expanding Cement
- 6063 Alloy, T52 Temper

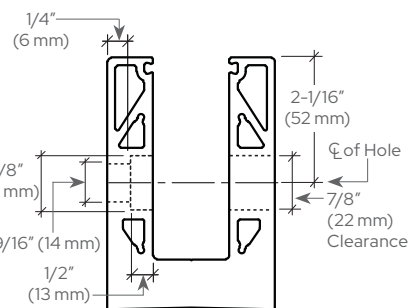
CRL 9BL56 Series Laminated Square Base Shoe is used as the base channel for glass railing systems. It can be clad in seven choices of architectural finishes (see page 15). The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners, with associated fasteners shown on page 53.



Undrilled



Hole Pattern "D"
12" (305 mm) C.T.C.



Hole Pattern "F"
12" (305 mm) C.T.C.



Safety Seal for Safer and Faster Installations (see page 42). Integrated Screw Race for End Caps

Works With

TAPER-LOC® DRY GLAZE SYSTEM
For Use with LTL96X1 TAPER-LOC® Taper Sets for 9/16" (13.52 mm) Laminated Tempered Glass



LTL96X1 TAPER-LOC® Standard Taper Sets



GLASS SPECIFICATIONS:

For use with 9/16" (13.52 mm) Laminated Tempered Glass (6 mm x 1.52 mm x 6 mm) Thickness Range: 0.497" (12.62 mm) to 0.549" (13.94 mm)

9BL56 SERIES LAMINATED SQUARE BASE SHOE

12" (305 MM) C.T.C.

CAT. NO.

9BL56D**

9BL56F**

9BL56

9BL5620

STOCK LENGTH*

120" (3.05 m)

120" (3.05 m)

120" (3.05 m)

240" (6.10 m)

HOLE SIZE

9/16" (14 mm)

9/16" (14 mm)

COUNTER BORE X DEPTH

7/8" x 1/2" (22 x 13 mm)

7/8" x 1/2" (22 x 13 mm)

Extrusion Only (Without Holes)

Extrusion Only (Without Holes)

WEIGHT

60 pounds (27 kg)

60 pounds (27 kg)

60 pounds (27 kg)

119 pounds (54 kg)

** Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. *Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

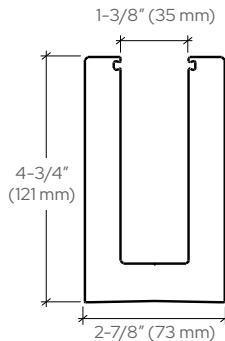
NOTE: The 120" (3.05 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

CRL GRS Glass Railing Base Shoe

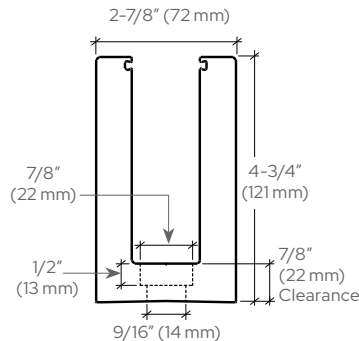
CRL L56S Series Laminated Square Base Shoe

- For 9/16" (13.52 mm) Laminated Tempered Glass
- Typically Used as the Base Channel for Glass Railing Systems or Windscreens
- Works With LTL96X1 TAPER-LOC® Standard Taper Sets
- Custom Cutting and Mitering Service Available
- Engineering Reports Available
- Not Recommended for Use With Wet Set Expanding Cement
- 6063 Alloy, T52 Temper

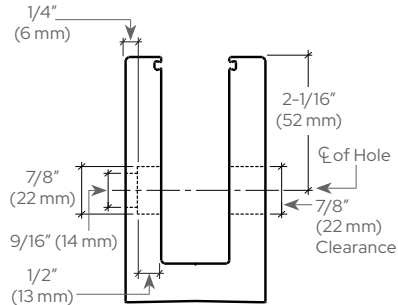
CRL L56S Series Laminated Square Base Shoe is used as the base channel for glass railing systems. It can be clad in seven choices of architectural finishes (see page 15). The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners. with associated fasteners shown on page 53.



Undrilled



Hole Pattern "D"
6" or 12" (152 or 305 mm) C.T.C



Hole Pattern "F"
6" or 12" (152 or 305 mm) C.T.C



Safety Seal for Safer and Faster Installations (see page 42). Integrated Screw Race for End Caps

Works With

TAPER-LOC®
DRY GLAZE SYSTEM
For Use with LTL96X1
TAPER-LOC® Taper Sets for
9/16" (13.52 mm) Laminated
Tempered Glass



LTL96X1
TAPER-LOC®
Standard
Taper Sets



GLASS

SPECIFICATIONS:
For use with 9/16" (13.52 mm) Laminated Tempered Glass (6 mm x 1.52 mm x 6 mm) Thickness Range: 0.497" (12.62 mm) to 0.549" (13.94 mm)

L56S SERIES LAMINATED SQUARE BASE SHOE

12" (305 MM) C.T.C.	6" (152 MM) C.T.C.				
CAT. NO.	CAT. NO.	STOCK LENGTH*	HOLE SIZE	COUNTER BORE X DEPTH	WEIGHT
L56S10D**	L56S10D6**	120" (3.05 m)	9/16" (14 mm)	7/8" x 1/2" (22 x 13 mm)	86 pounds (39 kg)
L56S10F**	L56S10F6**	120" (3.05 m)	9/16" (14 mm)	7/8" x 1/2" (22 x 13 mm)	86 pounds (39 kg)
L56S10	----	120" (3.05 m)	----	Extrusion Only (Without Holes)	86 pounds (39 kg)

**Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. *Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

NOTE: The 120" (3.05 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

CRL GRS Glass Railing Base Shoe

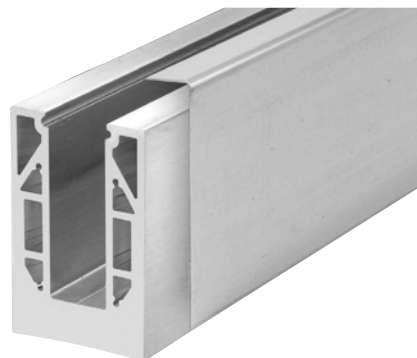
CRL Cladding for 9BL56, and L56S Series Laminated Square Base Shoe

Straight Cladding for 9BL56, and L56S Series Laminated Square Base Shoe

- Available in Seven Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant
- Custom Cutting and Mitering Service Available

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
LBSCBS10	316	20/.035"	118-1/8" (3 m)	Brushed Stainless
LBSCPS10	316	20/.035"	118-1/8" (3 m)	Polished Stainless
LBSCPB10	C260	.045"	118-1/8" (3 m)	Polished Brass
LBSCSB10	C260	.045"	118-1/8" (3 m)	Satin Brass
LBSCSA10	5052	.050"	118-1/8" (3 m)	Satin Anodized
LBSCDU10	5052	.050"	118-1/8" (3 m)	Dark Bronze Anodized
LBSCMBL10*	5052	.050"	120" (3.05 m)	Matte Black

Minimum order: 1 each. *Minimum order: 10 each. All finishes can be combined for quantity pricing. Custom lengths are available on special order. Must ship common carrier.



CRL Cladding for 9BL56 and L56S Series Base Shoe is available in five architectural finishes.

NOTE: Sold by individual pieces. Base Shoe requires two pieces for coverage on both sides.

Fascia Cladding for 9BL56 and L56S Series Laminated Square Base Shoe

- Available in Four Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant
- Custom Cutting and Mitering Services Available
- Outside and Inside Fascia Cladding Are Sold Separately

OUTSIDE FASCIA CLADDING

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
L56COFBS	316	20/.035"	120" (3.05 m)	Brushed Stainless
L56COFPS	316	20/.035"	120" (3.05 m)	Polished Stainless
L56COFPB	C260	.045"	120" (3.05 m)	Polished Brass
L56COFSB	C260	.045"	120" (3.05 m)	Satin Brass

Minimum order: 1 each. All finishes can be combined for quantity pricing. Must ship common carrier Custom lengths up to 168" (4.26 m) are available on special order.

INSIDE FASCIA CLADDING STRIP

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
L56CIFBS	316	20/.035"	120" (3.05 m)	Brushed Stainless
L56CIFPS	316	20/.035"	120" (3.05 m)	Polished Stainless
L56CIFPB	C260	.045"	120" (3.05 m)	Polished Brass
L56CIFSB	C260	.045"	120" (3.05 m)	Satin Brass

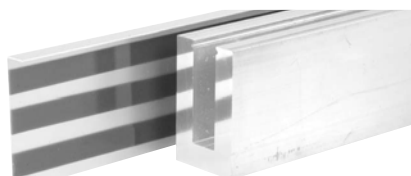
Minimum order: 1 each. All finishes can be combined for quantity pricing. Must ship common carrier Custom lengths up to 168" (4.26 m) are available on special order.



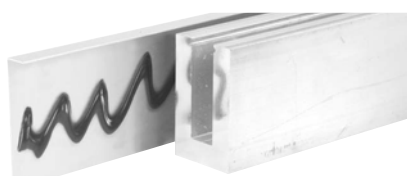
CRL Fascia Cladding is offered for applications where the Base Shoe is installed to the side of the substrate. We offer Outside Fascia Cladding that will conceal the three exposed outside edges of the Base Shoe. We also offer the Inside Fascia Cladding Strip that will cover the top inside edge of the Base Shoe.

Application Suggestions for CRL Cladding

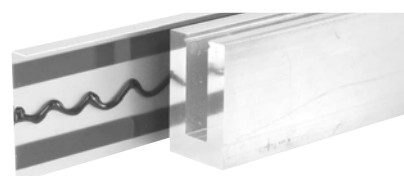
There are various methods of attaching the Cladding to the Base Shoe. All three types shown below will work, but a combination of AT234 Cladding Tape and 95CBL Neutral Cure Silicone (Type C) offers the best of two worlds; the instant bond of the tape along with the speed of application of the silicone and its flexible, durable adhesion.



Type A: Apply three rows of Tape to the inside face and two rows to the inside bottom leg of the Cladding. Carefully align the Cladding to the Base Shoe and press in place.



Type B: Apply Silicone to the inside face and bottom leg of the Cladding. Carefully align Cladding to the Base Shoe and press in place. Use clamps to hold the Cladding in place until the Silicone cures.



Type C: Apply two rows of Tape to the inside face of the Cladding, one toward the top and one toward the bottom. Apply the Silicone between the rows of Tape. Apply one row of Tape to the bottom leg, closest to the outer edge. Apply Silicone between Tape and corner bend in Cladding. Carefully align the Cladding to the Base Shoe and press in place.

CRL GRS Glass Railing Base Shoe

CRL Cladding for 9BL56 and L56S Series Laminated Square Base Shoe

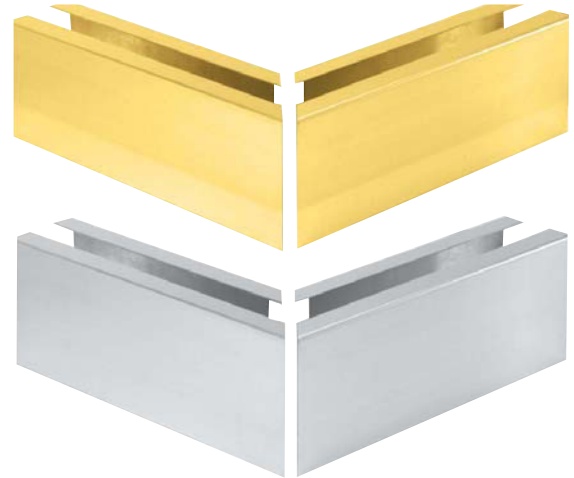
12" Mitered Corner Cladding for 9BL56 and L56S Series Laminated Square Base Shoe

- 90 Degree and 135 Degree Corner Set
- Available in Four Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant

CRL Mitered Corner Cladding is available in four architectural finishes. Each leg is 12" (305 mm) in length, and can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). Four pieces per set.

90 DEGREE CORNER CAT. NO.	135 DEGREE CORNER CAT. NO.	GRADE	GA./THK.	FINISH
L5690BS	L56135BS	316	20/.035"	Brushed Stainless
L5690PS	L56135PS	316	20/.035"	Polished Stainless
L5690PB	L56135PB	C260	.045"	Polished Brass
L5690SB	L56135SB	C260	.045"	Satin Brass

Minimum order: 1 set. All finishes can be combined for quantity pricing.



12" Welded End Cladding for 9BL56 and L56S Series Laminated Square Base Shoe

- Available in Four Architectural Finishes
- Adhere With Silicone Sealant

CRL Welded End Cladding allows the user to match any of four architectural finishes offered in Cap Railing. It is 12" (305 mm) in length, and can be secured to the Base Shoe using 95CBL Silicone Sealant (see page 37). One per package.

CAT. NO.	GRADE	GA./THK.	FINISH
L56WECBS	316	20/.035"	Brushed Stainless
L56WECPS	316	20/.035"	Polished Stainless
L56WECPB	C260	.045"	Polished Brass
L56WECBS	C260	.045"	Satin Brass

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



End Caps for 9BL56 and L56S Series Laminated Square Base Shoe

- Available in Seven Architectural Finishes

CRL End Caps are available in six architectural finishes. L56S End Caps are secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). 9BL56 End Caps are secured by four screws (included). One per package.

FOR 9BL56 CAT. NO.	FOR L56S CAT. NO.	GRADE	GA./THK.	FINISH
9BL56CBS	L56SECBS	316	20/.035"	Brushed Stainless
9BL56CPS	L56SECPS	316	20/.035"	Polished Stainless
9BL56CPB	L56SECPB	C260	.045"	Polished Brass
9BL56CSB	L56SECSB	C260	.045"	Satin Brass
9BL56CSA	L56SECSA	5052	.050"	Satin Anodized
9BL56CDU	L56SECDU	5052	.050"	Dark Bronze Anodized
----	L56SECMBL	5052	.050"	Matte Black

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



For 9BL56 Series

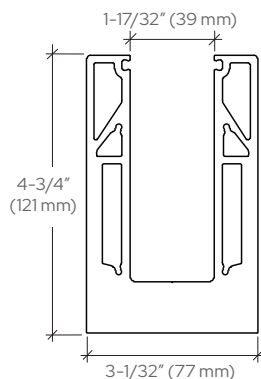
For L56S Series

CRL GRS Glass Railing Base Shoe

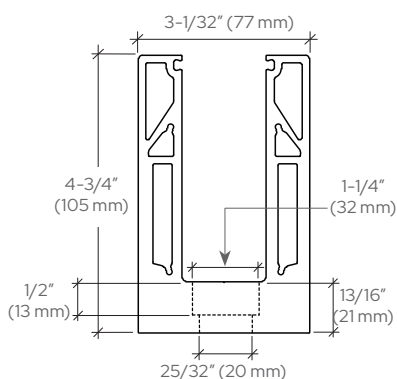
CRL 9BL68 Series Laminated Square Base Shoe

- For 11/16" (17.52 mm) Laminated Tempered Glass
- Environmentally Friendly (Green Product)
- 30% Lighter than CRL's Traditional L68S Series Base Shoe
- Typically Used as the Base Channel for Glass Railing Systems or Windscreens
- Works With LTL96X1 and TAPER-LOC® Taper Sets
- Custom Cutting and Mitring Service Available
- Engineering Reports Available
- Not Recommended for Use With Wet Set Expanding Cement
- 6063 Alloy, T52 Temper

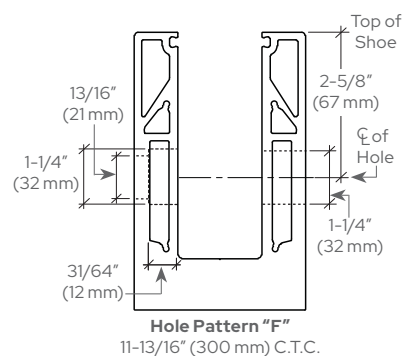
CRL 9BL68 Series Laminated Square Base Shoe is used as the base channel for glass railing systems. It can be clad in seven choices of architectural finishes (see page 15). The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners, with associated fasteners shown on page 53.



Undrilled



Hole Pattern "D"
11-13/16" (300 mm) C.T.C.



Hole Pattern "F"
11-13/16" (300 mm) C.T.C.

Works With

LTL96X1
TAPER-LOC®
Standard
Taper Sets



GLASS SPECIFICATIONS:
For use with 11/16" (17.52 mm) Laminated Tempered Glass (8 mm x 1.52 mm x 8 mm) Thickness Range: 0.666" (16.92 mm) to 0.713" (18.12 mm)



Safety Seal for Safer and Faster Installations (see page 42).

9BL68 SERIES LAMINATED SQUARE BASE SHOE

11-13/16" (300 MM) C.T.C.

CAT. NO.	STOCK LENGTH*	HOLE SIZE	COUNTER BORE X DEPTH	WEIGHT
9BL68D**	118-1/8" (3 m)	13/16" (21 mm)	1-1/4" x 1/2" (32 x 13 mm)	60 pounds (27 kg)
9BL68F**	118-1/8" (3 m)	13/16" (21 mm)	1-1/4" x 1/2" (32 x 13 mm)	60 pounds (27 kg)
9BL68	118-1/8" (3 m)	----	Extrusion Only (Without Holes)	60 pounds (27 kg)

** Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. *Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

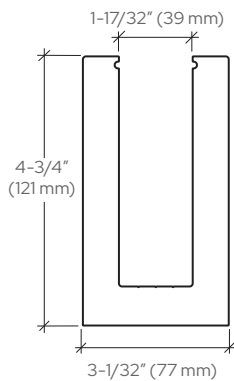
NOTE: The 118-1/8" (3 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

CRL GRS Glass Railing Base Shoe

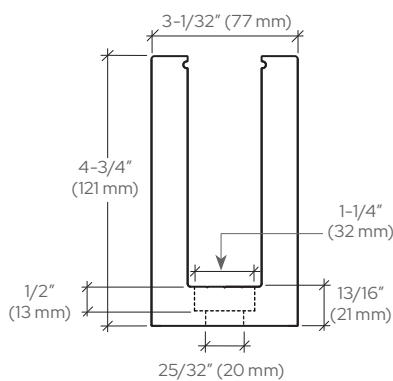
CRL L68S Series Laminated Square Base Shoe

- For 11/16" (17.52 mm) Laminated Tempered Glass
- Typically Used as the Base Channel for Glass Railing Systems or Windscreens
- Works With LTL96X1 and TAPER-LOC® Taper Sets
- Custom Cutting and Mitering Service Available
- Engineering Reports Available
- Not Recommended for Use With Wet Set Expanding Cement
- 6063 Alloy, T52 Temper

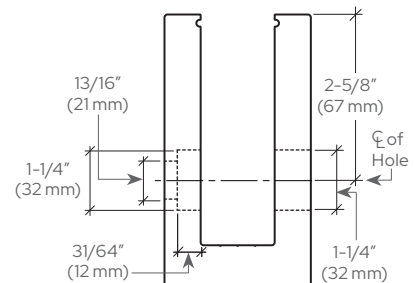
CRL L68S Series Laminated Square Base Shoe is used as the base channel for glass railing systems. It can be clad in seven choices of architectural finishes (see page 15). The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners, with associated fasteners shown on page 53.



Undrilled



Hole Pattern "D"
5-7/8" or 11-13/16"
(150 or 300 mm) C.T.C.



Hole Pattern "F"
5-7/8" or 11-13/16"
(150 or 300 mm) C.T.C.

Works With

LTL96X1
TAPER-LOC®
Standard
Taper Sets



GLASS SPECIFICATIONS:
For use with 11/16" (17.52 mm) Laminated Tempered Glass (8 mm x 1.52 mm x 8 mm) Thickness Range: 0.666" (16.92 mm) to 0.713" (18.12 mm)



Safety Seal for Safer and Faster Installations (see page 42).

L68S SERIES LAMINATED SQUARE BASE SHOE

11-13/16" (300 MM) C.T.C.	5-7/8" (150 MM) C.T.C.				
CAT. NO.	CAT. NO.	STOCK LENGTH*	HOLE SIZE	COUNTER BORE X DEPTH	WEIGHT
L68S10D**	L68S10D6**	118-1/8" (3 m)	13/16" (21 mm)	1-1/4" x 1/2" (32 x 13 mm)	86 pounds (39 kg)
L68S10F**	----	118-1/8" (3 m)	13/16" (21 mm)	1-1/4" x 1/2" (32 x 13 mm)	86 pounds (39 kg)
L68S10	----	118-1/8" (3 m)	----	Extrusion Only (Without Holes)	86 pounds (39 kg)

** Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. *Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

NOTE: The 118-1/8" (3 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

CRL GRS Glass Railing Base Shoe

CRL Cladding for 9BL68, and L68S Series Laminated Square Base Shoe

Straight Cladding for 9BL68, and L68S Series Laminated Square Base Shoe

- Available in Seven Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant
- Custom Cutting and Mitering Service Available

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
LBSCBS10	316	20/.035"	118-1/8" (3 m)	Brushed Stainless
LBSCPS10	316	20/.035"	118-1/8" (3 m)	Polished Stainless
LBSCPB10	C260	.045"	118-1/8" (3 m)	Polished Brass
LBSCSB10	C260	.045"	118-1/8" (3 m)	Satin Brass
LBSCSA10	5052	.050"	118-1/8" (3 m)	Satin Anodized
LBSCDU10	5052	.050"	118-1/8" (3 m)	Dark Bronze Anodized
LBSCMBL10*	5052	.050"	120" (3.05 m)	Matte Black

Minimum order: 1 each. *Minimum order: 10 each. All finishes can be combined for quantity pricing. Custom lengths are available on special order. Must ship common carrier.



CRL Cladding for 9BL68 and L68S Series Base Shoe is available in seven architectural finishes. It can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant.

NOTE: Sold by individual pieces. Base Shoe requires two pieces for coverage on both sides

Fascia Cladding for 9BL68 and L68S Series Laminated Square Base Shoe

- Available in Four Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant
- Custom Cutting and Mitering Services Available
- Outside and Inside Fascia Cladding are Sold Separately

OUTSIDE FASCIA CLADDING

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
L68COFBS	316	20/.035"	118-1/8" (3 m)	Brushed Stainless
L68COFPS	316	20/.035"	118-1/8" (3 m)	Polished Stainless
L68COFPB	C260	.045"	118-1/8" (3 m)	Polished Brass
L68COFSB	C260	.045"	118-1/8" (3 m)	Satin Brass

Minimum order: 1 each. All finishes can be combined for quantity pricing. Must ship common carrier Custom lengths up to 168" (4.26 m) are available on special order.

INSIDE FASCIA CLADDING STRIP

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
L56CIFBS	316	20/.035"	120" (3.05 m)	Brushed Stainless
L56CIFPS	316	20/.035"	120" (3.05 m)	Polished Stainless
L56CIFPB	C260	.045"	120" (3.05 m)	Polished Brass
L56CIFSB	C260	.045"	120" (3.05 m)	Satin Brass

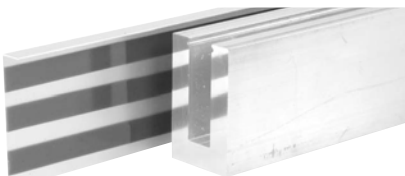
Minimum order: 1 each. All finishes can be combined for quantity pricing. Must ship common carrier Custom lengths up to 168" (4.26 m) are available on special order.



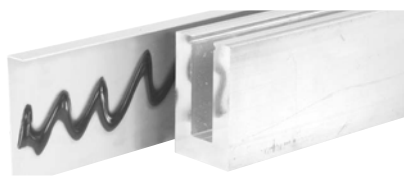
CRL Fascia Cladding is offered for applications where the Base Shoe is installed to the side of the substrate. We offer Outside Fascia Cladding that will conceal the three exposed outside edges of the Base Shoe. We also offer the Inside Fascia Cladding Strip that will cover the top inside edge of the Base Shoe.

Application Suggestions for CRL Cladding

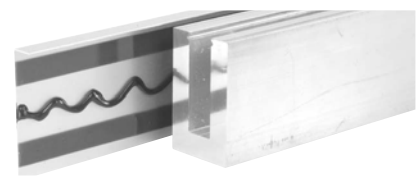
There are various methods of attaching the Cladding to the Base Shoe. All three types shown below will work, but a combination of AT234 Cladding Tape and 95CBL Neutral Cure Silicone (Type C) offers the best of two worlds; the instant bond of the tape along with the speed of application of the silicone and its flexible, durable adhesion.



Type A: Apply three rows of Tape to the inside face and two rows to the inside bottom leg of the Cladding. Carefully align the Cladding to the Base Shoe and press in place.



Type B: Apply Silicone to the inside face and bottom leg of the Cladding. Carefully align Cladding to the Base Shoe and press in place. Use clamps to hold the Cladding in place until the Silicone cures.



Type C: Apply two rows of Tape to the inside face of the Cladding, one toward the top and one toward the bottom. Apply the Silicone between the rows of Tape. Apply one row of Tape to the bottom leg, closest to the outer edge. Apply Silicone between Tape and corner bend in Cladding. Carefully align the Cladding to the Base Shoe and press in place.

CRL GRS Glass Railing Base Shoe

CRL Cladding for 9BL68 and L68S Series Laminated Square Base Shoe

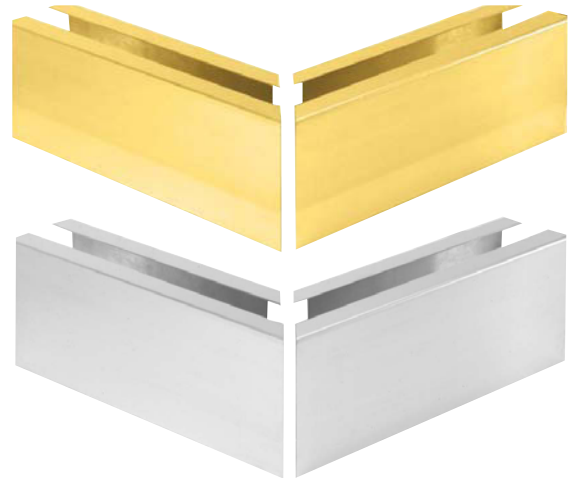
12" Mitered Corner Cladding for 9BL68 and L68S Series Laminated Square Base Shoe

- 90 Degree and 135 Degree Corner Set
- Available in Four Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant

CRL Mitered Corner Cladding is available in four architectural finishes. Each leg is 12" (305 mm) in length, and can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). Four pieces per set.

90 DEGREE CORNER CAT. NO.	135 DEGREE CORNER CAT. NO.	GRADE	GA./THK.	FINISH
L6890BS	L68135BS	316	20/.035"	Brushed Stainless
L6890PS	L68135PS	316	20/.035"	Polished Stainless
L6890PB	L68135PB	C260	.045"	Polished Brass
L6890SB	L68135SB	C260	.045"	Satin Brass

Minimum order: 1 set. All finishes can be combined for quantity pricing.



12" Welded End Cladding for 9BL68 and L68S Series Laminated Square Base Shoe

- Available in Three Architectural Finishes
- Adhere With Silicone Sealant

CRL Welded End Cladding allows the user to match any of four architectural finishes offered in Cap Railing. It is 12" (305 mm) in length, and can be secured to the Base Shoe using 95CBL Silicone Sealant (see page 37). One per package.

CAT. NO.	GRADE	GA./THK.	FINISH
L68WECBS	316	20/.035"	Brushed Stainless
L68WECPS	316	20/.035"	Polished Stainless
L68WECPB	C260	.045"	Polished Brass
L68WECBS	C260	.045"	Satin Brass

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



End Caps for 9BL68 and L68S Series Laminated Square Base Shoe

- Available in Seven Architectural Finishes

CRL End Caps are available in seven architectural finishes. L68S End Caps are secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). 9BL68 End Caps are secured by four screws (included). One per package.

FOR 9BL68 CAT. NO.	FOR L68S CAT. NO.	GRADE	GA./THK.	FINISH
9BL68CBS	L68SECBS	316	20/.035"	Brushed Stainless
9BL68CPS	L68SECPS	316	20/.035"	Polished Stainless
9BL68CPB	L68SECPB	C260	.045"	Polished Brass
9BL68CSB	L68SECSB	C260	.045"	Satin Brass
9BL68CSA	L68SECSEA	5052	.050"	Satin Anodized
9BL68CDU	L68SECDDU	5052	.050"	Dark Bronze Anodized
----	L68SECMBL	5052	.050"	Matte Black

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



For 9BL68 Series

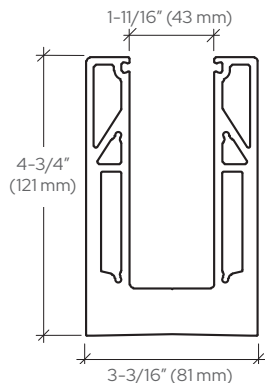
For L68S Series

CRL GRS Glass Railing Base Shoe

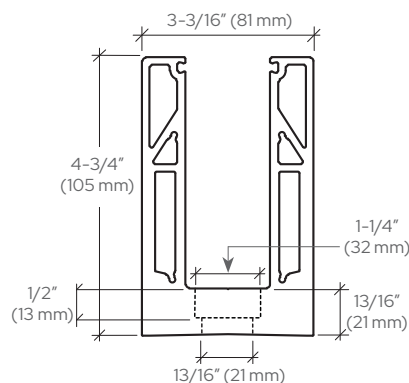
CRL 9BL21 Series Laminated Square Base Shoe

- For 27/32" (21.52 mm) Laminated Tempered Glass
- Environmentally Friendly (Green Product)
- 30% Lighter than CRL's Traditional L21S Series Base Shoe
- Typically Used as the Base Channel for Glass Railing Systems or Windscreens
- Works With LTL10X1 and XL21LT TAPER-LOC® Taper Sets
- Custom Cutting and Mitring Service Available
- Drilled and Counter Bored, or We Will Custom Drill to Your Specifications
- Not Recommended for Use With Wet Set Expanding Cement
- 6063 Alloy, T52 Temper

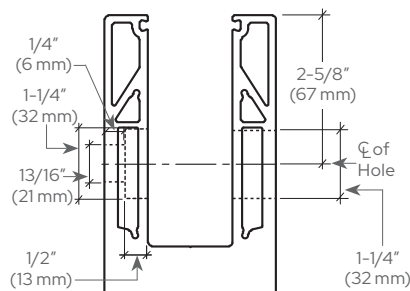
CRL 9BL21 Series Laminated Square Base Shoe is used as the base channel for glass railing systems. It can be clad in seven choices of architectural finishes. The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners. with associated fasteners shown on page 53.



Undrilled



Hole Pattern "D"
11-13/16" (300 mm) C.T.C.



Hole Pattern "F"
11-13/16" (300 mm) C.T.C.

GLASS SPECIFICATIONS:

For use with 27/32" (21.52 mm) Laminated Tempered Glass (10 mm x 1.52 mm x 10 mm) Thickness Range: 0.803" to 0.903" (20.40 to 22.94 mm) Will work with ASTM 7/8" Monolithic Tempered Glass Will not accommodate the full ASTM thickness range for 27/32" (21.52 mm) glass.

Works With

TAPER-LOC® DRY GLAZE SYSTEM For Use with LTL10X1 and XL21LT TAPER-LOC® Taper Sets for 27/32" (21.52 mm) Laminated Tempered Glass



LTL10X1 TAPER-LOC® Standard Taper Sets



XL21LT TAPER-LOC® Adjustable Taper Sets



9BL21 SERIES LAMINATED SQUARE BASE SHOE

11-13/16" (300 MM) C.T.C.

CAT. NO.	STOCK LENGTH*	HOLE SIZE	COUNTER BORE X DEPTH	WEIGHT
9BL21D**	118-1/8" (3 m)	13/16" (21 mm)	1-1/4" x 1/2" (32 x 13 mm)	60 pounds (27 kg)
9BL21F**	118-1/8" (3 m)	13/16" (21 mm)	1-1/4" x 1/2" (32 x 13 mm)	60 pounds (27 kg)
9BL21	118-1/8" (3 m)	----	Extrusion Only (Without Holes)	60 pounds (27 kg)

** Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. *Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

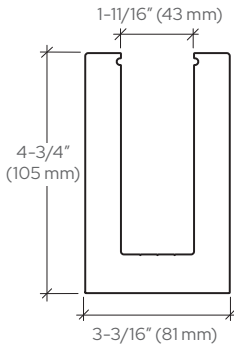
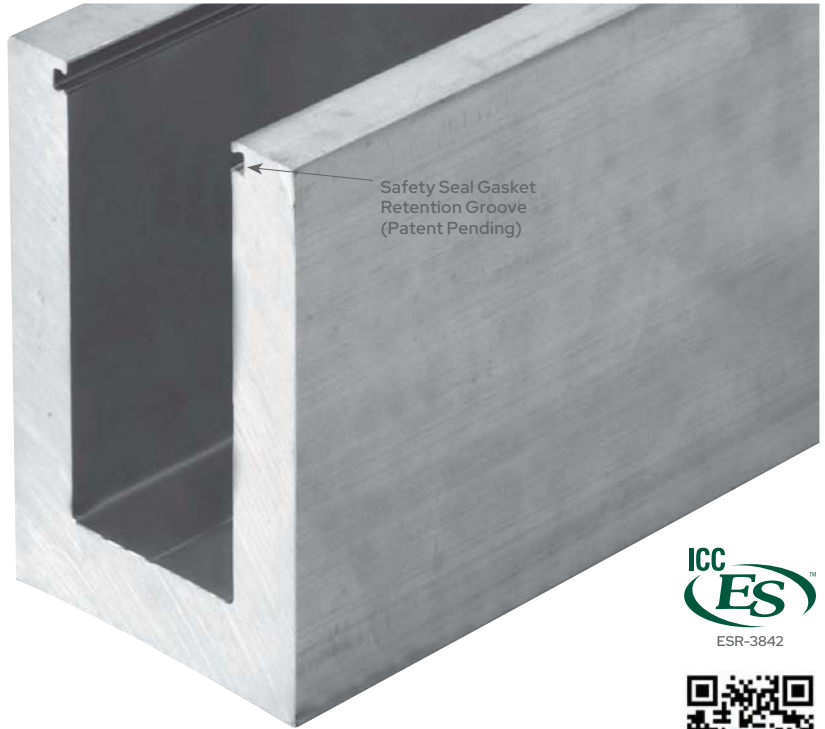
NOTE: The 118-1/8" (3 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

CRL GRS Glass Railing Base Shoe

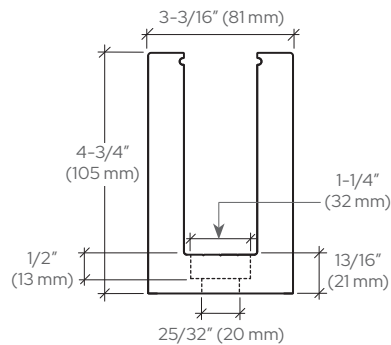
CRL L21S Series Laminated Square Base Shoe

- For 27/32" (21.52 mm) Laminated Tempered Glass
- Typically Used as the Base Channel for Glass Railing Systems or Windscreens
- Works With LTL10X1 and XL21LT TAPER-LOC® Taper Sets
- Drilled and Counter Bored, or We Will Custom Drill to Your Specifications
- Custom Cutting and Mitering Service Available
- Not Recommended for Use With Wet Set Expanding Cement
- 6063 Alloy, T52 Temper

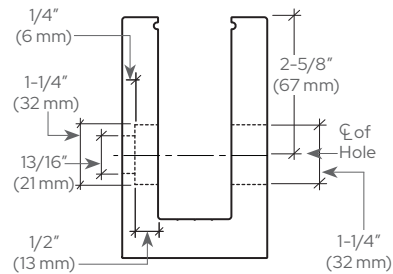
CRL L21S Series Laminated Square Base Shoe is used as the base channel for glass railing systems. It can be clad in seven choices of architectural finishes (see page 15). The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners, with associated fasteners shown on page 53.



Undrilled



Hole Pattern "D"
5-7/8" or 11-13/16"
(150 or 300 mm) C.T.C.



Hole Pattern "F"
5-7/8" or 11-13/16"
(150 or 300 mm) C.T.C.

GLASS SPECIFICATIONS:
For use with 27/32" (21.52 mm) Laminated Tempered Glass (10 mm x 1.52 mm x 10 mm) Thickness Range: 0.803" to 0.903" (20.40 to 22.94 mm) Will work with ASTM 7/8" Monolithic Tempered Glass Will not accommodate the full ASTM thickness range for 27/32" (21.52 mm) glass.

Works With

TAPER-LOC®
DRY GLAZE SYSTEM
For Use with LTL10X1 and
XL21LT TAPER-LOC® Taper
Sets for 27/32" (21.52 mm)
Laminated Tempered Glass



LTL10X1
TAPER-LOC®
Standard
Taper Sets



XL21LT
TAPER-LOC®
Adjustable
Taper Sets



LS21S SERIES LAMINATED SQUARE BASE SHOE

11-13/16" (300 MM) C.T.C.	5-7/8" (150 MM) C.T.C.				
CAT. NO.	CAT. NO.	STOCK LENGTH*	HOLE SIZE	COUNTER BORE X DEPTH	WEIGHT
L21S10D**	L21S10D6**	118-1/8" (3 m)	13/16" (21 mm)	1-1/4" x 1/2" (32 x 13 mm)	86 pounds (39 kg)
L21S10F**	L21S10F6**	118-1/8" (3 m)	13/16" (21 mm)	1-1/4" x 1/2" (32 x 13 mm)	86 pounds (39 kg)
L21S10	----	118-1/8" (3 m)	----	Extrusion Only (Without Holes)	86 pounds (39 kg)

** Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. *Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

NOTE: The 118-1/8" (3 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

CRL GRS Glass Railing Base Shoe

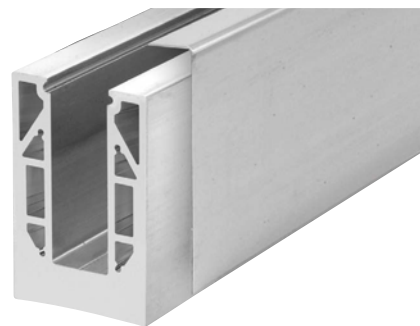
CRL Cladding for 9BL21, and L21S Series Laminated Square Base Shoe

Straight Cladding for 9BL21, and L21S Series Laminated Square Base Shoe

- Available in Seven Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant
- Custom Cutting and Mitering Service Available

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
LBSCBS10	316	20/.035"	118-1/8" (3 m)	Brushed Stainless
LBSCPS10	316	20/.035"	118-1/8" (3 m)	Polished Stainless
LBSCPB10	C260	.045"	118-1/8" (3 m)	Polished Brass
LBSCSB10	C260	.045"	118-1/8" (3 m)	Satin Brass
LBSCSA10	5052	.050"	118-1/8" (3 m)	Satin Anodized
LBSCDU10	5052	.050"	118-1/8" (3 m)	Dark Bronze Anodized
LBSCMBL10*	5052	.050"	120" (3.05 m)	Matte Black

Minimum order: 1 each. *Minimum order: 10 each. All finishes can be combined for quantity pricing. Custom lengths are available on special order. Must ship common carrier.



CRL Cladding for 9BL21 and L21S Series Base Shoe is available in seven architectural finishes. It can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37).

NOTE: Sold by individual pieces. Base Shoe requires two pieces for coverage on both sides.

Fascia Cladding for 9BL21 and L21S Series Laminated Square Base Shoe

- Available in Four Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant
- Custom Cutting and Mitering Services Available
- Outside and Inside Fascia Cladding Are Sold Separately

OUTSIDE FASCIA CLADDING

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
L21COFBS	316	20/.035"	118-1/8" (3 m)	Brushed Stainless
L21COFPS	316	20/.035"	118-1/8" (3 m)	Polished Stainless
L21COFPB	C260	.045"	118-1/8" (3 m)	Polished Brass
L21COFSB	C260	.045"	118-1/8" (3 m)	Satin Brass

Minimum order: 1 each. All finishes can be combined for quantity pricing. Must ship common carrier Custom lengths up to 168" (4.26 m) are available on special order.

INSIDE FASCIA CLADDING STRIP

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
L56C1FBS	316	20/.035"	120" (3.05 m)	Brushed Stainless
L56C1FPS	316	20/.035"	120" (3.05 m)	Polished Stainless
L56C1FPB	C260	.045"	120" (3.05 m)	Polished Brass
L56C1FSB	C260	.045"	120" (3.05 m)	Satin Brass

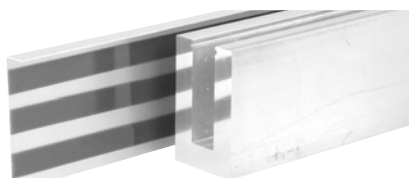
Minimum order: 1 each. All finishes can be combined for quantity pricing. Must ship common carrier Custom lengths up to 168" (4.26 m) are available on special order.



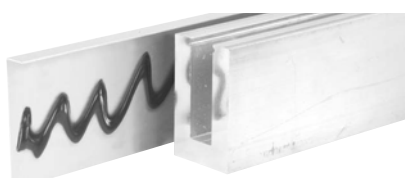
CRL Fascia Cladding is offered for applications where the Base Shoe is installed to the side of the substrate. We offer Outside Fascia Cladding that will conceal the three exposed outside edges of the Base Shoe. We also offer the Inside Fascia Cladding Strip that will cover the top inside edge of the Base Shoe.

Application Suggestions for CRL Cladding

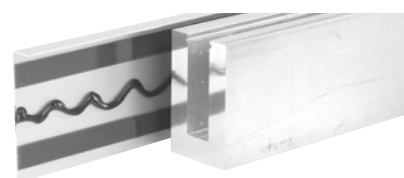
There are various methods of attaching the Cladding to the Base Shoe. All three types shown below will work, but a combination of AT234 Cladding Tape and 95CBL Neutral Cure Silicone (Type C) offers the best of two worlds; the instant bond of the tape along with the speed of application of the silicone and its flexible, durable adhesion.



Type A: Apply three rows of Tape to the inside face and two rows to the inside bottom leg of the Cladding. Carefully align the Cladding to the Base Shoe and press in place.



Type B: Apply Silicone to the inside face and bottom leg of the Cladding. Carefully align Cladding to the Base Shoe and press in place. Use clamps to hold the Cladding in place until the Silicone cures.



Type C: Apply two rows of Tape to the inside face of the Cladding, one toward the top and one toward the bottom. Apply the Silicone between the rows of Tape. Apply one row of Tape to the bottom leg, closest to the outer edge. Apply Silicone between Tape and corner bend in Cladding. Carefully align the Cladding to the Base Shoe and press in place.

CRL GRS Glass Railing Base Shoe

CRL Cladding for 9BL21 and L21S Series Laminated Square Base Shoe

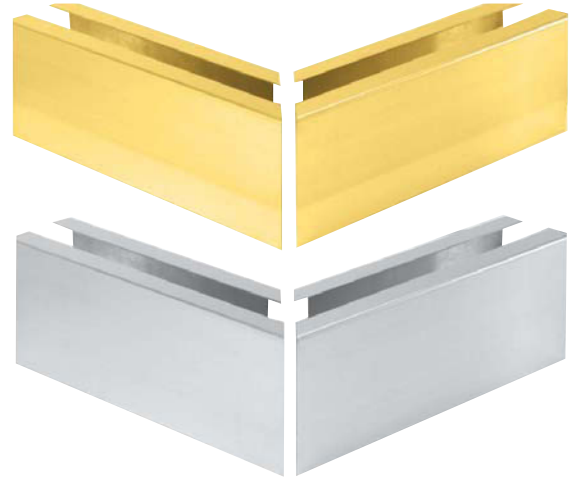
12" Mitered Corner Cladding for 9BL21 and L21S Series Laminated Square Base Shoe

- 90 Degree and 135 Degree Corner Set
- Available in Four Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant

CRL Mitered Corner Cladding for 9BL21 and L21S Series Base Shoe is available in four architectural finishes. Each leg is 12" (305 mm) in length, and can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant. Four pieces per set.

90 DEGREE CORNER CAT. NO.	135 DEGREE CORNER CAT. NO.	GRADE	GA./THK.	FINISH
L2190BS	L21135BS	316	20/.035"	Brushed Stainless
L2190PS	L21135PS	316	20/.035"	Polished Stainless
L2190PB	L21135PB	C260	.045"	Polished Brass
L2190SB	L21135SB	C260	.045"	Satin Brass

Minimum order: 1 set. All finishes can be combined for quantity pricing.



12" Welded End Cladding for 9BL21 and L21S Series Laminated Square Base Shoe

- Available in Four Architectural Finishes
- Adhere With Silicone Sealant

CRL Welded End Cladding allows the user to match any of four architectural finishes offered in Cap Railing. It is 12" (305 mm) in length, and can be secured to the Base Shoe using 95CBL Silicone Sealant (see page 37). One per package.

CAT. NO.	GRADE	GA./THK.	FINISH
L21WECBS	316	20/.035"	Brushed Stainless
L21WECPS	316	20/.035"	Polished Stainless
L21WECPB	C260	.045"	Polished Brass
L21WECBS	C260	.045"	Satin Brass

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



End Caps for 9BL21 and L21S Series Laminated Square Base Shoe

- Available in Seven Architectural Finishes

CRL End Caps are available in seven architectural finishes. L21S End Caps are secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). 9BL21 End Caps are secured by four screws (included). One per package.

FOR 9BL21 CAT. NO.	FOR L21S CAT. NO.	GRADE	GA./THK.	FINISH
9BL21CBS	L21SECBS	316	20/.035"	Brushed Stainless
9BL21CPS	L21SECPS	316	20/.035"	Polished Stainless
9BL21CPB	L21SECPB	C260	.045"	Polished Brass
9BL21CSB	L21SECSB	C260	.045"	Satin Brass
9BL21CSA	L21SECDSA	5052	.050"	Satin Anodized
9BL21CDU	L21SECDU	5052	.050"	Dark Bronze Anodized
----	L21SECMBL	5052	.050"	Matte Black

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



For 9BL21 Series

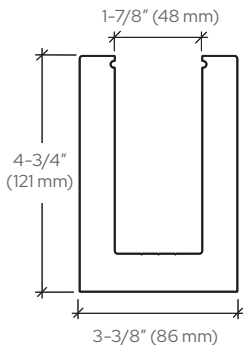
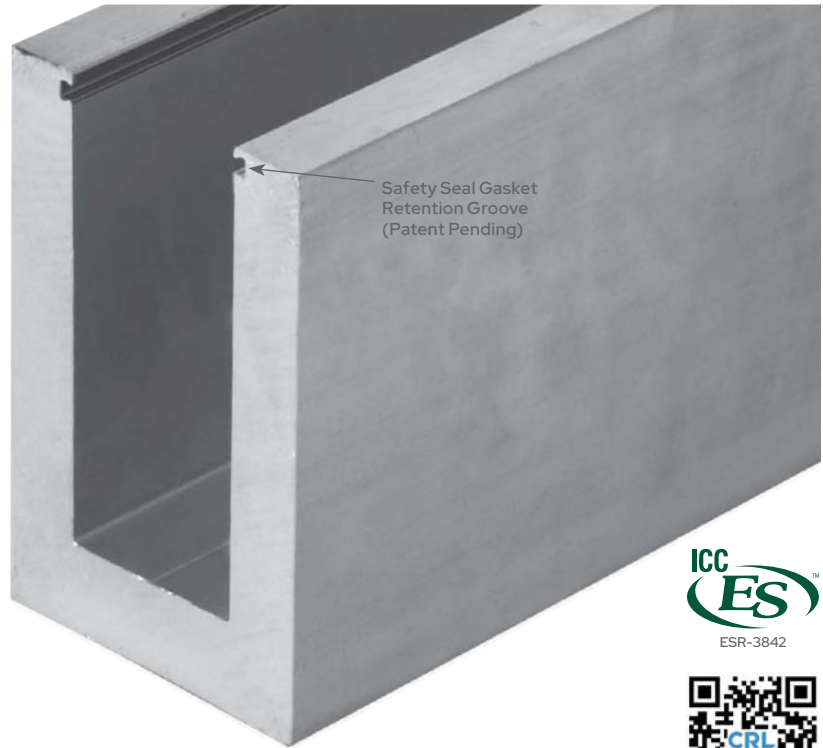
For L21S Series

CRL GRS Glass Railing Base Shoe

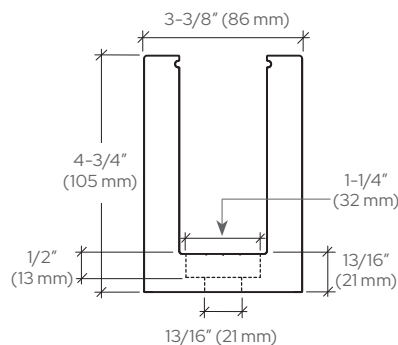
CRL L25S Series Heavy-Duty Laminated Square Base Shoe

- For 1-1/16" (25.52 mm) Laminated Tempered Glass
- Typically Used as the Base Channel for Glass Railing
- Works With LTL10X1 TAPER-LOC® Taper Sets
- Engineering Reports Available
- Custom Cutting and Mitering Service Available
- Not Recommended for Use With Wet Set Expanding Cement
- 6063 Alloy, T52 Temper

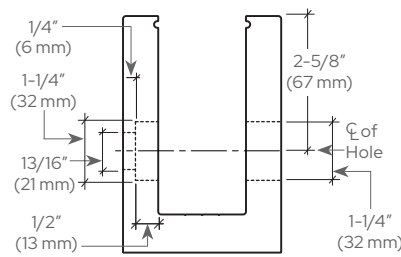
CRL L25S Series Laminated Square Base Shoe is used as the base channel for glass railing systems. It can be clad in seven choices of architectural finishes (see page 15). The most critical component in a railing system is the proper attachment of the Base Shoe to the substrate. CRL has engineered and tested a variety of attachment methods, and has developed an acceptable combination of drilling patterns and fasteners. with associated fasteners shown on page 53.



Undrilled



Hole Pattern "D"
5-7/8" or 11-13/16"
(150 or 300 mm) C.T.C.



Hole Pattern "F"
5-7/8" or 11-13/16"
(150 or 300 mm) C.T.C.



Safety Seal for Safer and Faster Installations (see page 42).

Works With

TAPER-LOC®
DRY GLAZE SYSTEM
For Use with LTL10X
TAPER-LOC® Taper Sets
for 1-1/16" (25.52 mm)
Laminated Tempered Glass



LTL10X
TAPER-LOC®
Standard
Taper Sets



GLASS SPECIFICATIONS:

For use with 1-1/16" (25.52 mm) Laminated Tempered Glass 1/2" x .060 x 1/2" (12 mm x 1.52 mm x 12 mm) Thickness Range: 0.960" to 1.060" (24.40 to 26.92 mm) Will work with ASTM 1" (25.4 mm) Monolithic Tempered Glass Will not accommodate the full ASTM thickness range for 1-1/16" (27 mm) glass.

L25S SERIES HEAVY-DUTY LAMINATED SQUARE BASE SHOE

11-13/16" (300 MM) C.T.C.	5-7/8" (150 MM) C.T.C.				
CAT. NO.	CAT. NO.	STOCK LENGTH*	HOLE SIZE	COUNTER BORE X DEPTH	WEIGHT
L25S10D**	L25S10D6**	118-1/8" (3 m)	13/16" (21 mm)	1-1/4" x 1/2" (32 x 13 mm)	86 pounds (39 kg)
L25S10F**	L25S10F6**	118-1/8" (3 m)	13/16" (21 mm)	1-1/4" x 1/2" (32 x 13 mm)	86 pounds (39 kg)
L25S10	----	118-1/8" (3 m)	----	Extrusion Only (Without Holes)	86 pounds (39 kg)

** Our Best Sellers are pre-drilled at CRL's Manufacturing Facility. *Stock lengths have a tolerance of plus or minus 3/4" (19 mm). Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

NOTE: The 118-1/8" (3 m) Extrusion Only (without holes) cannot be used for the TAPER-LOC® Dry Glaze System unless the Base Shoe is fabricated to the above tested and approved hole and counter bore pattern. The TAPER-LOC® Dry Glaze System requires that the attachment holes be counter bored so that no part of the fastener protrudes above the base of the channel opening.

CRL GRS Glass Railing Base Shoe

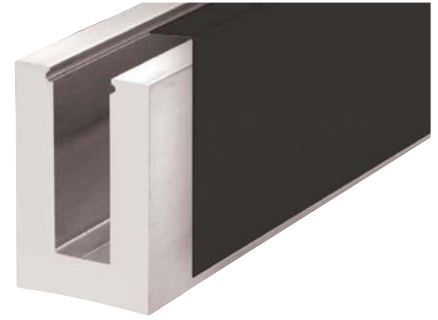
CRL Cladding for L25S Series Laminated Square Base Shoe

Straight Cladding for L25S Series Laminated Square Base Shoe

- Available in Seven Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant
- Custom Cutting and Mitering Service Available

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
LBSCBS10	316	20/.035"	118-1/8" (3 m)	Brushed Stainless
LBSCPS10	316	20/.035"	118-1/8" (3 m)	Polished Stainless
LBSCPB10	C260	.045"	118-1/8" (3 m)	Polished Brass
LBSCSB10	C260	.045"	118-1/8" (3 m)	Satin Brass
LBSCSA10	5052	.050"	118-1/8" (3 m)	Satin Anodized
LBSCDU10	5052	.050"	118-1/8" (3 m)	Dark Bronze Anodized
LBSCMBL10	5052	.050"	120" (3.05 m)	Matte Black

Minimum order: 1 each. All finishes can be combined for quantity pricing. Custom lengths are available on special order. Must ship common carrier.



CRL Cladding for L25S Series Base Shoe is available in seven architectural finishes. It can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37).

NOTE: Sold by individual pieces. Base Shoe requires two pieces for coverage on both sides.

Fascia Cladding for L25S Series Laminated Square Base Shoe

- Available in Four Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant
- Custom Cutting and Mitering Services Available
- Outside and Inside Fascia Cladding Are Sold Separately

OUTSIDE FASCIA CLADDING

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
L25C0FBS	316	20/.035"	118-1/8" (3 m)	Brushed Stainless
L25C0FPS	316	20/.035"	118-1/8" (3 m)	Polished Stainless
L25C0FPB	C260	.045"	118-1/8" (3 m)	Polished Brass
L25C0FSB	C260	.045"	118-1/8" (3 m)	Satin Brass

Minimum order: 1 each. All finishes can be combined for quantity pricing. Must ship common carrier Custom lengths up to 168" (4.26 m) are available on special order.

INSIDE FASCIA CLADDING STRIP

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
L56C1FBS	316	20/.035"	120" (3.05 m)	Brushed Stainless
L56C1FPS	316	20/.035"	120" (3.05 m)	Polished Stainless
L56C1FPB	C260	.045"	120" (3.05 m)	Polished Brass
L56C1FSB	C260	.045"	120" (3.05 m)	Satin Brass

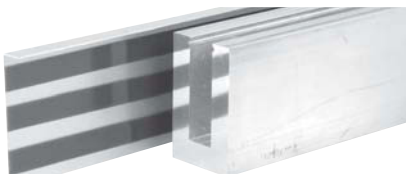
Minimum order: 1 each. All finishes can be combined for quantity pricing. Must ship common carrier Custom lengths up to 168" (4.26 m) are available on special order.



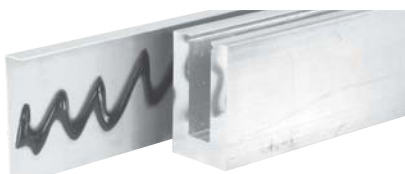
CRL Fascia Cladding is offered for applications where the Base Shoe is installed to the side of the substrate. We offer Outside Fascia Cladding that will conceal the three exposed outside edges of the Base Shoe. We also offer the Inside Fascia Cladding Strip that will cover the top inside edge of the Base Shoe.

Application Suggestions for CRL Cladding

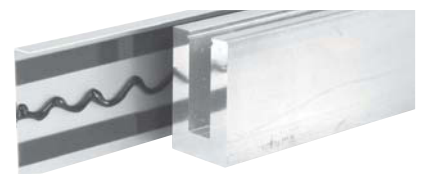
There are various methods of attaching the Cladding to the Base Shoe. All three types shown below will work, but a combination of AT234 Cladding Tape and 95CBL Neutral Cure Silicone (Type C) offers the best of two worlds; the instant bond of the tape along with the speed of application of the silicone and its flexible, durable adhesion.



Type A: Apply three rows of Tape to the inside face and two rows to the inside bottom leg of the Cladding. Carefully align the Cladding to the Base Shoe and press in place.



Type B: Apply Silicone to the inside face and bottom leg of the Cladding. Carefully align Cladding to the Base Shoe and press in place. Use clamps to hold the Cladding in place until the Silicone cures.



Type C: Apply two rows of Tape to the inside face of the Cladding, one toward the top and one toward the bottom. Apply the Silicone between the rows of Tape. Apply one row of Tape to the bottom leg, closest to the outer edge. Apply Silicone between Tape and corner bend in Cladding. Carefully align the Cladding to the Base Shoe and press in place.

CRL GRS Glass Railing Base Shoe

CRL Cladding for L25S Series Laminated Square Base Shoe

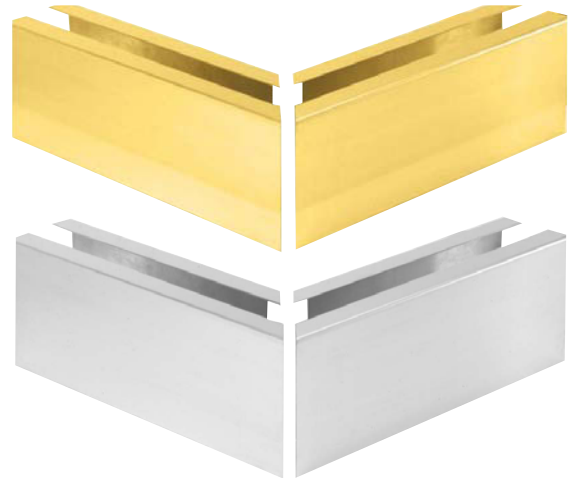
12" Mitered Corner Cladding for L25S Series Laminated Square Base Shoe

- 90 Degree and 135 Degree Corner Set
- Available in Four Architectural Finishes
- Adhere With Cladding Tape and Silicone Sealant

CRL Mitered Corner Cladding for L25S Series Base Shoe is available in four architectural finishes. Each leg is 12" (305 mm) in length, and can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). Four pieces per set.

90 DEGREE CORNER CAT. NO.	135 DEGREE CORNER CAT. NO.	GRADE	GA./THK.	FINISH
L2590BS	L25135BS	316	20/.035"	Brushed Stainless
L2590PS	L25135PS	316	20/.035"	Polished Stainless
L2590PB	L25135PB	C260	.045"	Polished Brass
L2590SB	L25135SB	C260	.045"	Satin Brass

Minimum order: 1 set. All finishes can be combined for quantity pricing.



12" Welded End Cladding for L25S Series Laminated Square Base Shoe

- Available in Four Architectural Finishes
- Adhere With Silicone Sealant

CRL Welded End Cladding allows the user to match any of four architectural finishes offered in Cap Railing. It is 12" (305 mm) in length, and can be secured to the Base Shoe using 95CBL Silicone Sealant (see page 37). One per package.

CAT. NO.	GRADE	GA./THK.	FINISH
L25WECBS	316	20/.035"	Brushed Stainless
L25WECPS	316	20/.035"	Polished Stainless
L25WECPB	C260	.045"	Polished Brass
L25WECB	C260	.045"	Satin Brass

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



End Caps for L25S Series Laminated Square Base Shoe

- Available in Seven Architectural Finishes
- Adhere With Silicone Sealant

CRL End Caps are available in seven architectural finishes. They can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant (see page 37). One per package.

FOR 9BL21 CAT. NO.	GRADE	GA./THK.	FINISH
L25SECBS	316	20/.035"	Brushed Stainless
L25SECPS	316	20/.035"	Polished Stainless
L25SECPB	C260	.045"	Polished Brass
L25SECSB	C260	.045"	Satin Brass
L25SECSA	5052	.050"	Satin Anodized
L25SECDU	5052	.050"	Dark Bronze Anodized
L25SECMBL	5052	.050"	Matte Black

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



For L25S Series

CRL GRS Glass Railing Base Shoe

CRL Cladding and Fabrication Services

- Metal Fabricated to Your Specifications
- Available in Many Architectural Finishes

CRL offers Cladding and Fabrication Services for Headers, Tubing, Channels, and other shapes needed for architectural projects. For additional information, contact CRL Product Group Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7730. You can also e-mail us through our web site at railings.archmetals@crlaurence.com.



CRL Neutral Cure Silicone

- Used to Adhere Cladding to Base Shoe and Cap Rail to Glass
- Neutral Cure, Waterproof Formula
- Can Be Applied in All Temperatures
- Excellent Primerless Adhesion to Most Common Construction Substrates

Use our 95CBL Silicone to adhere Cladding to Base Shoe and Cap Rail to glass. Neutral cure formula is best for use with brass material to avoid adverse reactions. Best results for cladding when used in conjunction with our AT234 Tape for a permanent, secure bond.

See below for suggested application details. 95CBL can also be used for finishing off the top of the Base Shoe pocket.



CAT. NO.
95CBL

Minimum order: 1 each.

COLOR
Black

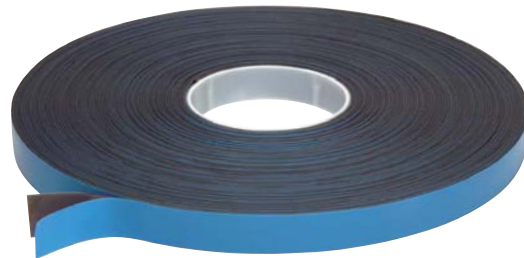
CONTENTS
10.3 Fl. Oz. (304 ml)

CTGS/CASE
30

CRL Cladding Tape

- Pressure Sensitive High-Strength Adhesive With Tenacious Holding Power
- Used for Adhering Cladding to Base Shoe

Our AT234 Cladding Tape is used to adhere cladding to Base Shoe. Made of a high strength gray acrylic foam with a high tack adhesive, it is used in conjunction with our 95CBL Silicone for a permanent, secure bond. See below for suggested application details.



CAT. NO.
AT234

Minimum order: 1 roll.

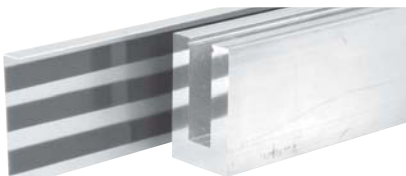
THICKNESS
.045" (1.1 mm)

WIDTH
3/4" (19 mm)

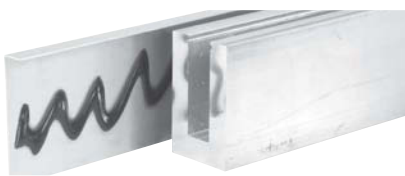
ROLL LENGTH
108' (33 m)

Application Suggestions for CRL Cladding

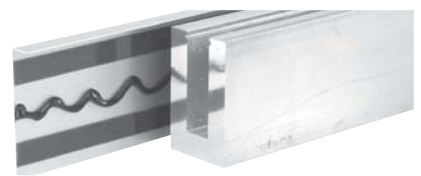
There are various methods of attaching the Cladding to the Base Shoe. All three types shown below will work, but a combination of AT234 Cladding Tape and 95CBL Neutral Cure Silicone (Type C) offers the best of two worlds; the instant bond of the tape along with the speed of application of the silicone and its flexible, durable adhesion.



Type A: Apply three rows of Tape to the inside face and two rows to the inside bottom leg of the Cladding. Carefully align the Cladding to the Base Shoe and press in place.



Type B: Apply Silicone to the inside face and bottom leg of the Cladding. Carefully align Cladding to the Base Shoe and press in place. Use clamps to hold the Cladding in place until the Silicone cures.



Type C: Apply two rows of Tape to the inside face of the Cladding, one toward the top and one toward the bottom. Apply the Silicone between the rows of Tape. Apply one row of Tape to the bottom leg, closest to the outer edge. Apply Silicone between Tape and corner bend in Cladding. Carefully align the Cladding to the Base Shoe and press in place.

CRL GRS Dry Glaze Taper-Locs System



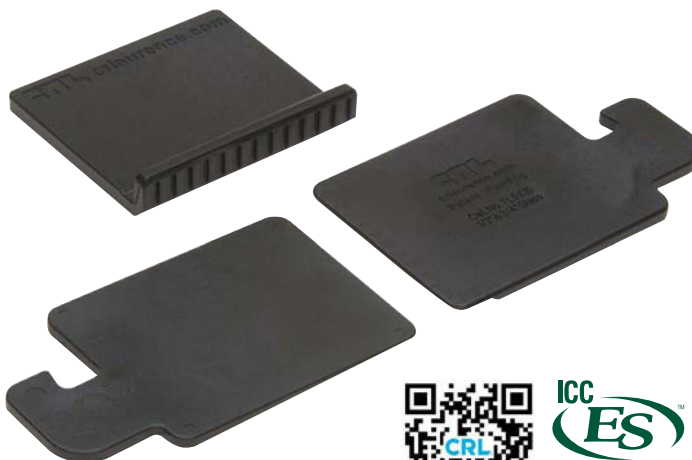
CRL TAPER-LOC® 'X' Taper Sets for 1/2", 5/8", and 3/4" (12, 15, and 19 mm) Monolithic Tempered Glass

- Reinforced Polymer for Interior and Exterior Use With CRL's 8B, B5S, B5T, 8B58, B6N, 8B34, and B7S Glass Railing Base Shoe
- Precision Measured Control Gives You High Quality Installs Every Time
- Supports All Mounting Methods With One Compact Installation /Removal Tool
- Eliminates the Use of Messy Cement

CRL's TAPER-LOC® 'X' Taper Set for 1/2" to 3/4" (12 to 19 mm) Monolithic Tempered glass is made up of two Tapers and one L-Setting Block. Tapers are made of high strength reinforced engineering grade polymer, and expand in thickness when compressed together with the Cat. No. TLK12 Installation/Removal Tool, mechanically locking the glass panel into the base shoe.

The TAPER-LOC® L-Setting Block spaces the glass away from the base shoe's vertical wall on one side and at the bottom edge, and is attached to either the inside of the Base Shoe's "drop-side" wall or to the glass panel prior to installing into the base shoe.

PANEL WIDTH	SUGGESTED TAPER-LOC® SETS PER PANEL
6" to 14" (152 to 356 mm)	1 Set
14" to 28" (356 to 711 mm)	2 Sets
28" to 42" (711 to 1067 mm)	3 Sets
42" to 56" (1067 to 1422 mm)	4 Sets
56" to 70" (1422 to 1778 mm)	5 Sets
70" to 84" (1778 to 2134 mm)	6 Sets



CAT NO.
TL5X10

APPLICATION
TAPER-LOC® 'X' for Interior and Exterior Use

Minimum order: 10 sets. Must be ordered in increments of 10.
All Taper Sets can be combined for quantity pricing.

CRL GRS Dry Glaze Taper-Locs System

CRL Adjustable TAPER-LOC® 'XA' Installation Components for 1/2" to 3/4" (12 to 19 mm) Monolithic Tempered Glass

- TAPER-LOC® 'XA' Lets You Compensate for Uneven Surfaces So Glass Panels Can Be Perfectly Plumb
- Taper Sets Install Easily Using Our TLK12 Installation/Removal Tool and TLXAAT Angle Adjustment Tool
- Taper Sets for 1/2" to 3/4" (12 to 19 mm) Monolithic and 11/16" and 27/32" Laminated Glass Work With Our Most Commonly Used Aluminum Base Shoe
- Specially Designed to Allow Up to 3/4" (19 mm) Vertical Adjustment of Glass Panels at 42" (1067 mm) Height
- Reinforced Polymer for Interior or Exterior Use

TAPER-LOC® 'XA' is especially designed to allow vertical adjustment of the glass panels to perfect plumb, no matter how uneven the floor beneath the Base Shoe. Glass Setting Strips with pre-positioned adhesive tape get adhered to the lower edge of the glass panel. They rest on a Setting Base that allows you to adjust the glass panel to plumb, even if the Base Shoe segments do not align perfectly.

Unlike the original TAPER-LOC® System, the 'XA' Taper Sets are placed on both sides of the glass panel. That gives you the flexibility to perfectly align and plumb the glass panels in every segment. The addition of our "Drop-Side" Safety Seal (see page 42) and TLXAAT Angle Adjustment Tool (see page 47) lets you make adjustments to panels that are already installed on balconies or elevated concourses without the need for scaffolding or dangerously leaning over the railing. To finish off the installation use our Inside Safety Seal. This black colored vinyl rolls into the cavity between the glass and the Base Shoe to keep out water and debris (see page 42).



ADJUSTABLE TAPER SETS

CAT NO.

TLXATSM
TLXATSL

GLAZING TYPE

1/2" to 3/4" (12 to 19 mm) Monolithic
11/16" & 27/32" (17.52 to 21.52 mm) Laminated

Minimum order: 10 each. Must be ordered in increments of 10.
Sizes can be combined for quantity pricing.

GLASS SETTING STRIPS IN 57" (1.45 M) LENGTHS

CAT NO.

TLXAMONO
TLXALAM

GLAZING TYPE

1/2" to 3/4" (12 to 19 mm) Monolithic
11/16" & 27/32" (17.52 & 21.52 mm) Laminated

Minimum order: 10 each. Must be ordered in increments of 10.
Sizes can be combined for quantity pricing.

SETTING BASE IN 10" (254 MM) PIECES

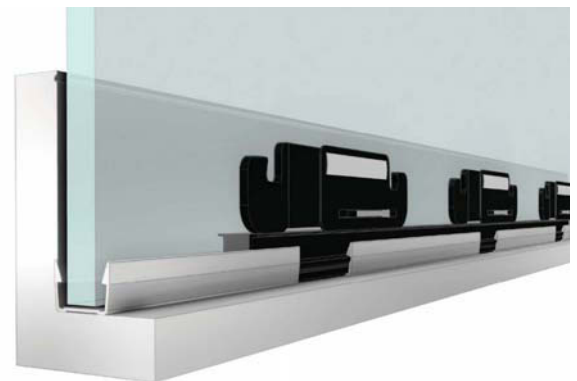
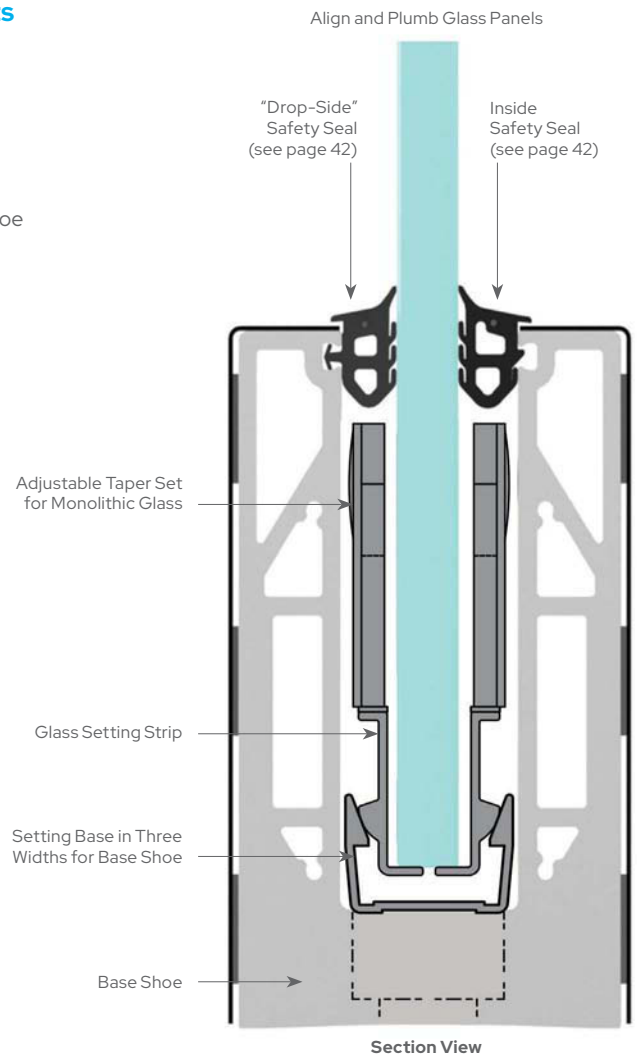
CAT NO.

TLXA12SB
TLXA15SB
TLXA19SB
TLXA17SB
TLXA21SB

GLAZING BASE SHOE TYPES

Monolithic 8B, B5S, B5T
Monolithic 8B58, B6N
Monolithic 8B34, B7S
Laminated L68, 9BL68
Laminated L21, 9BL21

Minimum order: 10 each. Must be ordered in increments of 10.
Sizes can be combined for quantity pricing.



PANEL WIDTH	SUGGESTED TAPER-LOC® XA SETS PER PANEL
6" to 14" (152 to 356 mm)	1 Set
14" to 28" (356 to 711 mm)	2 Sets
28" to 42" (711 to 1067 mm)	3 Sets
42" to 56" (1067 to 1422 mm)	4 Sets
56" to 70" (1422 to 1778 mm)	5 Sets
70" to 84" (1778 to 2134 mm)	6 Sets

CRL GRS Dry Glaze Taper-Locs System

CRL TAPER-LOC® 'X1' Taper Sets for 9/16" (13.52 mm) and 11/16" (17.52 mm) Laminated Tempered Glass

- Two-Piece Taper Design Allows for Easy Installation
- Great for Stadiums, Condos, or Areas Trying to Avoid the Hazard of Broken Glass Falling to Lower Levels
- Designed to Fit CRL's 9BL56, L56S, 9BL68, and L68S Laminated Glass Base Shoe Only
- Use With 9/16" (13.52 mm) and 11/16" (17.52 mm) Laminated Tempered Glass (6 x 1.52 x 6 mm and 8 x 1.52 x 8 mm)
- Reinforced Polymer Suitable for Interior and Exterior Use

CRL's TAPER-LOC® 'X1' Laminated Glass Taper Set is great for balustrades in stadiums, malls, condos, or any areas trying to avoid the hazard of broken glass falling to lower levels. The set is composed of two Tapers and one L-Setting Block, all made of a high strength reinforced polymer. They expand in thickness when compressed together with the Cat. No. TLK12 Installation/Removal Tool, mechanically locking the glass panel into the heavy aluminum base shoe.

NOMINAL TAPER-LOC® SPACING REQUIREMENTS WHEN USING 9/16" (13.52 MM) TEMPERED LAMINATED GLASS WITH (SGP)

PANEL WIDTH	SUGGESTED TAPER-LOC® X1 SETS PER PANEL
6" to 10" (152 to 254 mm)	1 Set
10" to 16" (254 to 406 mm)	2 Sets
16" to 24" (406 to 610 mm)	3 Sets
24" to 32" (610 to 813 mm)	4 Sets
32" to 40" (813 to 1016 mm)	5 Sets
40" to 48" (1016 to 1219 mm)	6 Sets
48" to 56" (1219 to 1422 mm)	7 Sets
56" to 64" (1422 to 1626 mm)	8 Sets
64" to 72" (1626 to 1829 mm)	9 Sets
72" to 80" (1829 to 2032 mm)	10 Sets
80" to 84" (2032 to 2134 mm)	11 Sets

CRL TAPER-LOC® 'X1' Taper Sets for 27/32" (21.52 mm) Laminated Tempered Glass

- Two-Piece Taper Design Allows for Easy Installation
- The Best Choice for Stadiums, Condos, or Areas Trying to Avoid the Hazard of Broken Glass Falling to Lower Levels
- Designed to Fit CRL's 9BL21 and L21S Laminated Glass Base Shoe Only
- Use With 27/32" (21.52 mm) Laminated Tempered Glass (10 x 1.52 x 10 mm)
- Reinforced Polymer Suitable for Interior and Exterior Use

CRL's TAPER-LOC® 'X1' Laminated Glass Taper Set is great for balustrades in stadiums, malls, condos, or any areas trying to avoid the hazard of broken glass falling to lower levels. The set is composed of two Tapers and one L-Setting Block, all made of a high strength reinforced polymer. They expand in thickness when compressed together with the Cat. No. TLK12 Installation/Removal Tool, mechanically locking the glass panel into the heavy aluminum base shoe.

CAT. NO.	APPLICATION
LTL10X1	TAPER-LOC® 'X1' for Interior and Exterior Use

Minimum order: 10 Taper Sets. Must be ordered in increments of 10. All Taper Sets can be combined for quantity pricing.



NOMINAL TAPER-LOC® SPACING REQUIREMENTS WHEN USING 11/16" (17.52 MM) TEMPERED LAMINATED GLASS WITH (SGP)

PANEL WIDTH	SUGGESTED TAPER-LOC® X1 SETS PER PANEL
6" to 14" (152 to 356 mm)	1 Set
14" to 28" (356 to 711 mm)	2 Sets
28" to 42" (711 to 1067 mm)	3 Sets
42" to 56" (1067 to 1422 mm)	4 Sets
56" to 70" (1422 to 1778 mm)	5 Sets
70" to 84" (1778 to 2134 mm)	6 Sets

CAT. NO.	APPLICATION
LTL96X1	TAPER-LOC® 'X1' for Interior and Exterior Use

Minimum order: 10 Taper Sets. Must be ordered in increments of 10. All Taper Sets can be combined for quantity pricing.



PANEL WIDTH	SUGGESTED TAPER-LOC® X1 SETS PER PANEL
6" to 14" (152 to 356 mm)	1 Set
14" to 28" (356 to 711 mm)	2 Sets
28" to 42" (711 to 1067 mm)	3 Sets
42" to 56" (1067 to 1422 mm)	4 Sets
56" to 70" (1422 to 1778 mm)	5 Sets
70" to 84" (1778 to 2134 mm)	6 Sets

CRL GRS Dry Glaze Taper-Locs System



INSTALLATION VIDEO



CRL Adjustable TAPER-LOC® 'XAL' Sets for 27/32" (21.52 mm) Laminated Tempered Glass

- Easy Vertical Glass Angle Adjustment Up to 3/4" (19 mm)
- Compatible With Our Base Shoes and Safety Seals
- Meets and Exceeds Building Code Pull Out Force Requirements
- For Use With 27/32" (21.52 mm) Laminated Tempered Glass
- Reinforced Polymer for Interior and Exterior Use

CRL's TAPER-LOC® 'XAL' Taper Sets for 27/32" (21.52 mm) laminated tempered glass are made up of one Setting Base/Drop-Side Taper, and one Front Side Taper. Tapers are made of high strength reinforced engineering grade polymer, and expand in thickness when compressed together with Cat. No. TLK12 Installation/Removal Tool, mechanically locking the glass panel into the Base Shoe. The TAPER-LOC® 'XAL' Setting Base spaces the glass away from the Base Shoe's vertical walls and at the bottom edge, allowing for glass angle adjustment. It also serves to insulate the glass panels from damage during insertion into the Base Shoe and, at the same time, center the glass in the pocket.

TAPER SETS FOR 27/32" (21.52 MM) LAMINATED TEMPERED GLASS

CAT. NO.
XL21LT

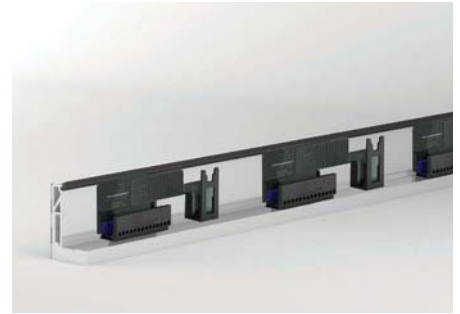
GLAZING TYPE
27/32" (21.52 mm) Laminated Tempered

Minimum order: 10 Taper Sets. Must be ordered in increments of 10. All Taper Sets can be combined for quantity pricing.

PANEL WIDTH	SUGGESTED TAPER-LOC® XAL SETS PER PANEL
6" to 14" (152 to 356 mm)	1 Set
14" to 28" (356 to 711 mm)	2 Sets
28" to 42" (711 to 1067 mm)	3 Sets
42" to 56" (1067 to 1422 mm)	4 Sets
56" to 70" (1422 to 1778 mm)	5 Sets
70" to 84" (1778 to 2134 mm)	6 Sets

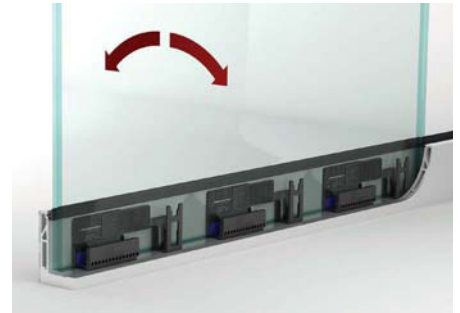
Step 1:

Install the Safety Seal on the "drop-side" and place TAPER-LOC® 'XAL' units inside the Base Shoe.



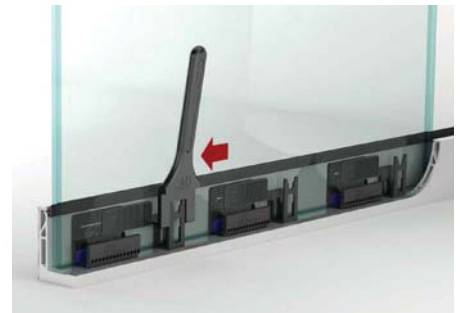
Step 2:

Set the glass and vertically adjust the angle up to 3/4" (19 mm) into alignment with the adjacent glass panel, simply by moving the top edge of the glass.



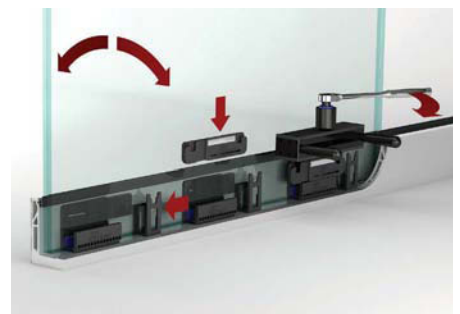
Step 3:

Place Cat. No. LTLST3 Glass Railing Setting Tool into the receiving pocket of the actuating arm that is located between the glass and Base Shoe on the pedestrian side, then slide it to the left until the drop-side Tapers are in contact with the glass and Base Shoe.



Step 4:

Install the pedestrian side Tapers and lock them in place with the TLK12 Installation/Removal Tool.



Step 5:

Roll-In the Inside Safety Seal and you're done. The TAPER-LOC® System makes it quick, clean, and simple.



CRL GRS Dry Glaze Taper-Locs System

CRL TAPER-LOC® Safety Seals for Monolithic and Laminated Tempered Glass Base Shoe

- Helps Prevent Unsafe Leaning Over Railing During Installs
- "Drop-Side" Seal Installs in Base Shoe Prior to Glass
- Patent Pending

CRL's Safety Seal gets put in place into the Base Shoe prior to installing the glass, preventing unsafe leaning over the railing to install the "drop-side" seal. Setting blocks are now universal for use with the Safety Seal, with the backside surface tape for installation into the Base Shoe (required for the Safety Seal System). Optionally, the traditional installation method with push-in seals can be used at both sides.



Anchor Base Shoe and Install the (Outside Edge) Exterior Side Safety Seal Gasket



Install the TAPER-LOC® L-Setting Blocks Into the Base Shoe Pocket



Install the Glass Panel and insert, then tighten the TAPER-LOC® Tapers with the TLK12 Tool to lock the glass securely in place. Roll-in the Inside Safety Seal and you're done.



SMBSG Series
"Drop-Side" Safety Seal



MBSG Series
Inside Safety Seal

FOR 1/2" TO 3/4" (12 TO 19 MM) MONOLITHIC TEMPERED GLASS

CAT. NO.	DESCRIPTION	ROLL LENGTH
SMBSG1	"Drop-Side" Safety Seal for Monolithic Glass	100' (30.5 m)
SMBSG5	"Drop-Side" Safety Seal for Monolithic Glass	500' (152.4 m)
MBSG1	Inside Safety Seal for Monolithic Glass	100' (30.5 m)
MBSG5	Inside Safety Seal for Monolithic Glass	500' (152.4 m)

Minimum order: 1 roll.



SLBSG Series
"Drop-Side" Safety Seal



LBSG Series
Inside Safety Seal

FOR 9/16", 11/16", 27/32", OR 1-1/16" (13.52, 17.52, 21.52, OR 25.52 MM) LAMINATED TEMPERED GLASS

CAT. NO.	DESCRIPTION	ROLL LENGTH
SLBSG1	"Drop-Side" Safety Seal for Laminated Glass	100' (30.5 m)
SLBSG2	"Drop-Side" Safety Seal for Laminated Glass	200' (61 m)
LBSG100	Inside Safety Seal for Laminated Glass	100' (30.5 m)
LBSG200	Inside Safety Seal for Laminated Glass	200' (61 m)

Minimum order: 1 roll.

Safety Seal Greatly Improves Safety for the Glazier and Installation Speed. Installed on "Drop-Side" Before the Glass is Installed.



Patent Pending Base Shoe Detail Enables use of the Safety Seal Feature

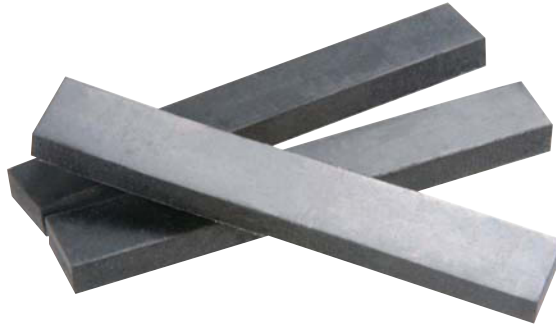
CRL GRS Dry Glaze Taper-Locs System

CRL Rigid Rubber Spacing Blocks With Adhesive

- Adhesive Back Holds Spacing Block in Place
- Maintains Even Spacing of Glass Panels

CRL Rigid Rubber Spacing Blocks With Adhesive provide even spacing between glass panels. They are always necessary on slant stair installations to prevent the glass panels from sliding down. They are easily installed and perfectly aligned every time using the CRL Rubber Spacing Block Installation Tool (see page 50). Adhesive back holds the Spacing Blocks in position.

NOTE: You must cut 5/8" (16 mm) off the length of the Spacing Block when used with B5L Series Low Profile Base Shoe.



CAT NO.	FITS BASE SHOE SERIES
GR5ASB	8B, B5S, B5T, B5L, 8B58, B6N, 9BL56, L56S
GR7ASB	8B34, B7S, 9BL68, L68S

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

THICKNESS	LENGTH
1/4" (6 mm)	3-5/16" (84 mm)
1/4" (6 mm)	3-5/16" (84 mm)

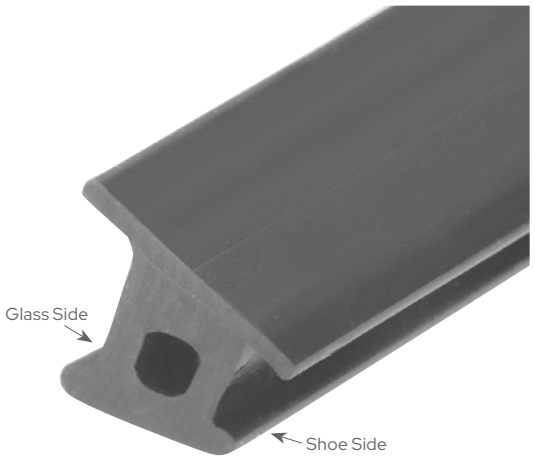
QTY/PKG
100
100

Minimum order: 100 each. Must be ordered in increments of 100.

CRL Push-In Top Rubber Gasket for Monolithic Tempered Glass Base Shoe

- Quick and Easy Black Rubber Gasket Locks in Place When Used With CRL's Monolithic Glass Railing Base Shoe

CRL Top Rubber Gasket finishes off the top of the Base Shoe pocket after glass has been set. Made of black EPDM rubber, it easily rolls in with the CRL Vinyl Roller Tool (see below). An alternate method of finishing off the top pocket is to use CRL Open Cell Backer Rod and 95CBL Black Silicone.



CAT. NO.	GLASS THICKNESS
BSG100	1/2" to 3/4" (12 to 19 mm)
BSG500	1/2" to 3/4" (12 to 19 mm)

ROLL LENGTH
100' (30.5 m)
500' (152.4 m)

Minimum order: 1 roll.

CRL Vinyl Roller Tools for Top Rubber Gasket

- Comfortable Tapered Grip and a Ball Bearing Wheel



CAT. NO.	DESCRIPTION
VR17	Extra Long 17" (432 mm) Vinyl Roller
VR04	Standard 11" (279 mm) Vinyl Roller
VR10	Blue Handle 11" (279 mm) Vinyl Roller

REPLACEMENT WHEEL CAT. NO.
RVW112
RVW112
VR10RW

Minimum order: 1 roll. each.

CRL Vinyl Roller Tools aid in the insertion of Glazing Gaskets in aluminum Base Shoe.

CRL GRS Dry Glaze Taper-Locs System

CRL TAPER-LOC® Dry Glaze Base Shoe Alignment System

Seven Easy Steps to Accurate Alignment

- Accurately Aligns Base Shoe to Ensure Glass Panels Will Be Within 1/32" (.8 mm) of Plumb When Installed

The CRL TAPER-LOC® Dry Glaze Base Shoe Alignment System gives the installer the ability to accurately shim and install the Base Shoe easily and quickly. Proper Base Shoe alignment is a key element to the TAPER-LOC® System.



Step 1: Align the "PAL" Tool with Base Shoe and point toward the Laser Target set at other end of Base Shoe to follow the grade.



Step 2: Use the "PAL" Tool to ensure the Base Shoe is vertically plumb at all points.



Step 3: Slide Shim Strips under Base Shoe to fill gaps before fastening.



Step 4: Install the L-Setting Blocks to the "drop-side" wall inside the Base Shoe, and install the Safety-Seal on the "drop-side".



Step 5: Install glass and insert the Taper set half way down into the Base Shoe as shown, opposite the L-Setting Block, and then squeeze the Tapers together finger tight.



Step 6: Place the Installation/Removal Tool into position onto the Tapers and push them down into the Base Shoe.



Step 7: Crank the Torque Wrench until the wrench clicks and breaks for a few degrees, letting you know the Tapers are locked to the correct measured torque.



CRL PAL Plumb/Angle/Level Locator Kit

- Plumb and Level All Your TAPER-LOC® Dry Glaze Railing Installs
- Works With All CRL Guard Rail and Windscreen Base Shoes
- Electronic Angle Finder for Custom Corners and Stairway Applications

This CRL PAL Plumb/Angle/Level Locator Kit was designed to assist you with level and plumb installations of all CRL railing Base Shoes. This innovative tool levels the shoe in both the vertical and horizontal orientations. Each Kit includes: a Laser Tool with Case, a Base Shoe Alignment Adapter, a Laser Target, a Chalk Line, an 8 ounce bottle of Blue Chalk Refill, a Black Listo® Marking Pencil, a Blue Sharpie® Pen, and instructions, all in a Molded Carrying Case.

CAT. NO. PAL1K

Minimum order is one each.

Listo is a registered trademark of Listo Pencil Corporation. Sharpie is a registered trademark of Sanford L.P.



CRL PAL Plumb/Angle/Level Locator Laser Tool

- Use for Setting Glass Base Shoe Prior to Installing TAPER-LOC® Dry Glaze System
- Angle Measurements in Degrees
- Displays Angle and Inclination Simultaneously

This CRL PAL Plumb/Angle/Level Locator Laser Tool displays angle measurements in degrees. Both the angle and inclination measurements are displayed simultaneously. Includes: Laser Tool and Carrying Case.

CAT. NO. 406065

Minimum order is one each.

CRL GRS Dry Glaze Taper-Locs System

CRL TAPER-LOC® Installation/Removal Tool Kit for Glass Railing and Windscreen Systems

- Works With All of CRL's TAPER-LOC® Systems and Components
- Features Integrated Torque Wrench Designed for Precise Lock-Up Force
- Supports All Mounting Methods
- Reduces Installation Time by 50%
- Easily Allows You to Remove, Adjust or Replace Glass Panels
- Can Be Used With Monolithic Tempered and Laminated Tempered Glass

The Installation/Removal Tool is used for tightening TAPER-LOC® Tapers in the channel of the Base Shoe. It has an Integrated Torque Wrench that applies the precise lock-up force necessary to set the glass panels. Simply set in place and turn the wrench until a clicking sound is heard. This assures the Tapers have been locked together. It can also remove all models of TAPER-LOC® Tapers when glass panels need to be reset or replaced.

You can also use the Tool for Base Shoe that has been recessed into the floor by switching the standard Compression Blades (blue) with the longer Recessed Blades (red), both included. The Tool Kit comes with the Integrated Torque Wrench, a Glass Railing Setting Tool for Monolithic Glass, a Laminated Glass Setting Tool, a pair of Glass Setting Roller Blocks, three sets of color-coded Blades (yellow, red, blue and black), matching Pusher Plates, and Instructions, all in a Molded Carrying Case.



TAPER-LOC[®]
DRY GLAZE RAILING SYSTEM

CAT. NO.
TLK12

DESCRIPTION
Installation/Removal Tool Kit

* For additional Tool Replacement Blades go to crlaurence.com

CRL TLB4 Black-Blades Replacement Blade Kit

- Works With All Monolithic Tempered and Laminated Tempered Glass Installs

This Replacement Blade Kit enables one tool to work with all different base shoes and glass thicknesses. The Kit consists of: one pair of Yellow Blades and Pusher Plate for monolithic windscreen and 'XA' Adjustable Taper installs; one pair of Blue Blades and Pusher Plate for monolithic surface mount guard rail and railing installs; one pair of Red Blades and Pusher Plate for monolithic recessed mount guard rail and railing mounts; one black Pusher Plate for all laminated glass installs, and a Laminated Glass Setting Tool.

CAT. NO. TLK7

Minimum order is one each.



CRL GRS Dry Glaze Taper-Locs System



CRL TAPER-LOC® Installation/Removal Tool Replacement Windscreen Blades

- For Use With The TLK12 TAPER-LOC® Installation/Removal Tools for Windscreen Installs and XA' Adjustable Tapers

These CRL Windscreen Base Shoe Blades are designed to work with the TLK12 TAPER-LOC® Installation/Removal Tool. Blades install easily using the supplied screws. Includes two Blades, one Pusher Plate, six Screws, and one Allen Wrench per pack.

CAT. NO.	DESCRIPTION
TLB3	Installation/Removal Tool Replacement Windscreen Blades

Minimum order is one pack.



CRL TAPER-LOC® Installation/Removal Tool Replacement Laminated Glass Blades

- For Use With The TLK12 TAPER-LOC® Installation/Removal Tools for Windscreen Installs and XA' Adjustable Tapers

These CRL Laminated Glass Base Shoe Blades are designed to work with the TLK12 TAPER-LOC® Installation/Removal Tool. Blades install easily using the supplied screws. Includes two Blades, one Pusher Plate, six Screws, and one Allen Wrench per pack.

CAT. NO.	DESCRIPTION
TLB4	Installation/Removal Tool Replacement Windscreen Blades

Minimum order is one pack.



CRL TAPER-LOC® Installation/Removal Tool Replacement Standard Blades

- For Our TAPER-LOC® 'X' Tapers
- For Use With The TLK12 TAPER-LOC® Installation/Removal Tools for Surface Mount and Railing Installs

These CRL Standard Base Shoe Blades are designed for surface mounting of Guard Rails and Railings when using the TLK12 TAPER-LOC® Installation/Removal Tool. Blades install easily using the supplied screws. Includes two Blades, one Pusher Plate, six Screws, and one Allen Wrench per pack.

CAT. NO.	DESCRIPTION
TLB5	Installation/Removal Tool Replacement Standard Blades

Minimum order is one pack.



CRL TAPER-LOC® Installation/Removal Tool Replacement Extended Blades

- For Our TAPER-LOC® 'X' Tapers
- For Use With The TLK12 TAPER-LOC® Installation/Removal Tools for Installs When Base Shoe is Recessed Into the Floor or in Fascia Mount Conditions.

These CRL Extended Blades work with the TLK12 TAPER-LOC® Installation/Removal Tool for fascia mount or recessed base shoe conditions. The Blades install easily using the supplied screws. Includes two Blades, one Pusher Plate, six Screws, and one Allen Wrench per pack.

CAT. NO.	DESCRIPTION
TLB6R	Installation/Removal Tool Replacement Extended Blades

Minimum order is one pack.

CRL Glass Railing Setting Tools

- For Use With CRL's Dry Glaze TAPER-LOC® System
- Stabilizes and Centers the Glass Panel in the Base Shoe Pocket During Installation of Tapers

These CRL Glass Railing Setting Tools are designed to stabilize and center glass panels in aluminum base shoe during installation of CRL's Dry Glazed TAPER-LOC® Tapers. The temporary Setting Tools also secure the glass panels in place, giving the installer time to adjust or align as required.

CAT. NO.	DESCRIPTION
GWST2	Setting Tools For Monolithic Glass
LTLST3	Setting Tools For Laminated Glass

Minimum order is one each.



CRL GRS Dry Glaze Taper-Locs System

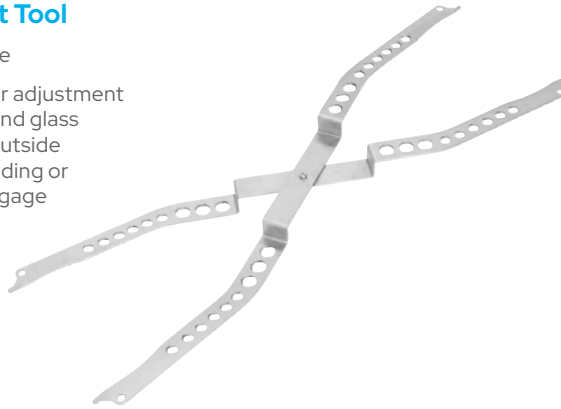
CRL TAPER-LOC® Angle Adjustment Tool

- Safely Adjusts 'XA' Series Tapers on Drop-Side

The TAPER-LOC® 'XA' System provides angular adjustment of the glass panel to correct for misalignment and glass curvature. This specialized Tool will adjust the outside (drop-side) Tapers without the need for scaffolding or inconvenient leaning over the railing. Simply engage the tool with pre-installed Tapers and squeeze together with light pressure. Both ends of the Tool are functional, and holes are provided for attachment of a safety lanyard (not included).

CAT. NO. TLXAAT

Minimum order is one each.



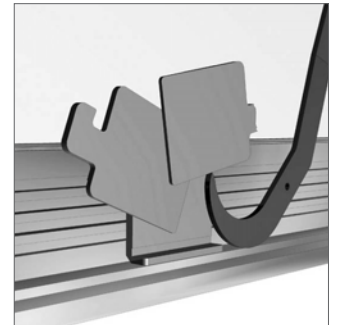
CRL TAPER-LOC® Extraction Tool

- For Extraction of Stuck TAPER-LOC® Tapers
- Provides Extra Reach and Leverage
- Works With All TAPER-LOC® Taper Sets

Use this Extraction Tool to remove TAPER-LOC® Tapers that have become stuck in the aluminum base shoe and cannot be removed by normal methods with the TLK12 Installation/Removal Tool.

CAT. NO. TLEX1

Minimum order is one each.



CRL Laser Target for PALIK Level Locator Kit

- Use With 406065 Laser to Level Railing Base Shoes During Install

The CRL Laser Target was designed to work with Cat. No. 406065 Laser to assist you with level and plumb installations of Railing Base Shoes.

CAT. NO. LT1

Minimum order is one each.



CRL Base Shoe Alignment Adapter

- Use With 406065 Laser to Adapt to Railing Base Shoe
- Plumb and Level All Your TAPER-LOC® Dry Glaze Railing Installs

The CRL Base Shoe Alignment Adapter was designed to attach to Cat. No. 406065 Laser to assist you with level and plumb installations of Railing Base Shoes.

CAT. NO. AMA1

Minimum order is one each.



CRL GRS Wet Glaze System

CRL Wet Glaze Alignment and Securing System

Use CRL Wet Glaze Alignment and Securing System tools to align the glass panels, and hold them in position while the expanding cement sets. Additional Clamp and Alignment Fixtures allow you to do multiple panel pours.

CRL Clamp and Alignment Fixture

- Secures and Aligns the Glass
- Plumb Within 1/32" (.8 mm) When Used With a Laser
- Retains Position Until Cement Sets

The CRL Clamp and Alignment Fixture is a dual purpose tool. It not only aligns the glass, but can also be used to secure the cladding and hold it in place. A simple turn of the knob moves the glass in or out to achieve a plumb position.

CAT. NO.	DESCRIPTION
GRAT1	Clamp and Alignment Fixture

Minimum order is one each.

Five Easy Steps to Accurate Alignment



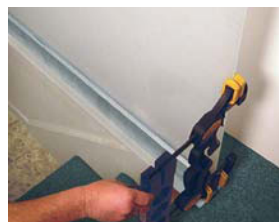
Step 1:
Install Base Shoe with CRL's PAL Plumb/Angle/Level Locator Kit.



Step 2:
Install glass panels with Setting/Centering Blocks and Sealing Pads between them to control the pour.



Step 3:
Attach the Clamp and Alignment Fixture, part number GRAT1.



Step 4:
Turn adjustment knob on the Clamp and Alignment Fixture until the glass is plumb.



Step 5:
Pour in Expanding Cement to 3/8" (10 mm) below the top. Allow adequate time for it to set.

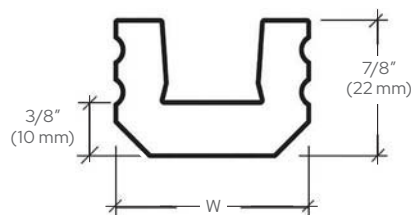
CRL Glass Railing Setting and Centering Blocks

- Easily Center Glass Panels in Hand Rail Base Shoe
- Support Glass Panels for Expanding Cement Installations

CRL Setting and Centering Blocks are pre-cut 4" (102 mm) pieces made of black EPDM rubber for durability and longevity. CRL recommends two 4" (102 mm) pieces located at quarter points along the bottom edge of each glass panel.

NOTE: Three sizes are also available in 25' (7.6 m) rolls that can be cut to any length.

CAT. NO.	GLASS THICKNESS	BASE SHOE SERIES
GR4UB4	15 mm)	B6N, 8B58
GR5UB4	1/2" (12 mm)	B5S, B5T, B5L, 8B
GR6UB4	5/8" (16 mm)	B6N, 8B58
GR7UB4	3/4" (19 mm)	B7S, 8B34
GR5UB25	1/2" (12 mm)	B5S, B5T, B5L, 8B
GR6UB25	5/8" (16 mm)	B6N, 8B58
GR7UB25	3/4" (19 mm)	B7S, 8B34



"W" WIDTH

1-1/4" (32 mm)
1" (25 mm)
1-1/8" (30 mm)
1-1/4" (32 mm)
1" (25 mm)
1-1/4" (32 mm)
1-1/4" (32 mm)

PACKAGING

20 each 4" (102 mm) per Pack*
20 each 4" (102 mm) per Pack*
20 each 4" (102 mm) per Pack*
20 each 4" (102 mm) per Pack*
25' (7.6 m) per Roll
25' (7.6 m) per Roll
25' (7.6 m) per Roll

*Minimum order for 4" (102 mm) pieces is 20 each. Must be ordered in increments of 20. Minimum order: 1 roll. • Monolithic Glass. ** Laminated Glass.

CRL Pouring Ramp for Base Shoe Applications Using Expanding Cements

- Neat and Effective Manual Delivery of Expanding Cements
- Shields Gasket Retention Groove in Base Shoe
- Wide Delivery Area

The CRL Pouring Ramp provides a wide delivery area for mess-free pouring of expanding cement into Base Shoe. It shields the gasket retention groove area in the Base Shoe, thereby eliminating further clean up. You will find the Pouring Ramp to be a neat and effective method to manually deliver the expansion cement used in our Wet Glaze System.

CAT. NO.
GRP35

Minimum order: 1 each.

DESCRIPTION
Cement Pouring Ramp



CRL GRS Wet Glaze System

CRL Kwixset™ and Rockite™ Expanding Cements

- Recommended on All Wet Glaze GRS Installations
- Great for Setting Glass in Heavy Aluminum Base Shoe
- Fast Setting, They Will Not Shrink or Crack When Used as Directed

CRL Kwixset™ and Rockite™ are gray, hydraulic type cements that expand as they set, and are specially formulated to produce unexcelled strength and bonding qualities. When mixed with water they pour into place smoothly. Both set within 15 to 20 minutes, and when fully cured develop compression strengths in excess of 8000 pounds per square inch. Kwixset™ is not affected by standing water, making it the right cement for exterior use, while the more economical Rockite™ and Kwixset™ are great for any interior application. Use either product to set railings, posts, and other fixtures because they will not shrink, crack or dry out.

NOTE: Consult with your local temperer for use with laminated glass.



For EXTERIOR and INTERIOR Applications

KWIXSET™ CEMENT

CAT. NO.	WEIGHT
KWX25	25 Pounds (11.3 kg)
KWX50	50 Pounds (22.7 kg)

Minimum order: 1 each. NOTE: Kwixset™ can be used in temperatures as low as 40°F (4°C).

EXAMPLE #1: For 8 feet (2.4 m) of Base Shoe you need 10 pounds of expanding cement and 40 ounces of water for the correct mix.

EXAMPLE #2: For 12 feet (3.6 m) of Base Shoe you need 6000 milliliters of expanding cement and 1774.5 milliliters of water for the correct mix.



For INTERIOR Applications Only

ROCKITE™ CEMENT

CAT. NO.	WEIGHT
ROCK01	1 Pound (.453 kg)
ROCK05	5 Pounds (2.27 kg)
ROCK10	10 Pounds (4.54 kg)
ROCK50	50 Pounds (22.7 kg)

Minimum order: 1 each.

NOTE: Rockite™ can be used in temperatures as low as 25°F (-4°C).

CRL Kwixset™ and Rockite™ Expanding Cements

BASE SHOE

RUNNING FEET	CEMENT POUNDS	VOLUME OUNCES	MILLILITERS	WATER PINTS	FLUID OUNCES	MILLILITERS
4 (1.2 m)	5 (2.27 kg)	67.6	2000	1-1/4	20	591.5
8 (2.4 m)	10 (4.54 kg)	135.2	4000	2-1/2	40	1183
12 (3.6 m)	15 (6.80 kg)	202.8	6000	3-3/4	60	1774.5

These mixing proportions are guidelines based on what we feel is the best way to mix and apply cement, and we make no guarantee or warranty to its performance. We suggest you make a sample batch for testing purposes to determine the exact formula that is right for your application before beginning any job.

CRL Cement Mixing Kit and Mixing Accessories

- Everything Needed to Accurately Measure and Mix Expanding Cement
- Buy the Kit or Order Items Individually

We have developed a kit with a combination of accessories that makes it easier to get the proper mixture of water and expanding cement. The handy 3.5 gallon (13.25 liter) Pouring Pail has a spout and handle for easy delivery of the mixture. The Plastic Scoop completes the kit.

CAT. NO. DESCRIPTION

GRP30	Cement Mixing Kit with one of each: 1000cc Pitcher (Water); 3000cc Pitcher (Dry Cement), 3.5 Gallon Pouring Pail, Plastic Scoop
GRP31	Set of Mixing Pitchers: 1000cc (Water), 3000cc (Dry Cement)
GRP32	3.5 Gallon Pouring Pail
GRP33	Plastic Scoop
MX91	Paddle Mixer

Minimum order: 1 each.



CRL GRS Wet Glaze System

CRL High Density Foam Spacing and Sealing Pads

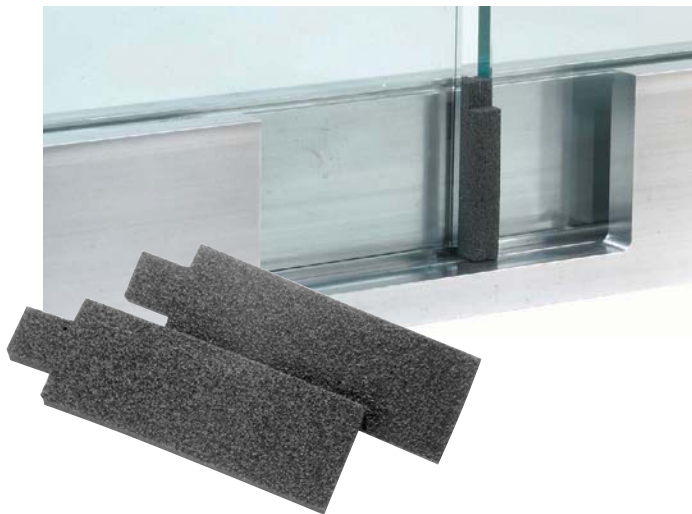
- Die Cut Foam Pad With Adhesive on One Side
- Fast and Accurate Spacing and Sealing of Glass Panels
- Can Be Adhered Together to Increase the Gap Between the Glass Panels in 1/4" (6 mm) Increments

These High Density Foam Pads not only act as spacers between panels of glass, they also create a seal at the end of selected panels, acting as a dam for your desired pour area.

They are easily installed and perfectly aligned every time using the CRL Rubber Spacing Block and Sealing Pad Installation Tool (see below). The adhesive on one side allows the pads to be adhered together so spacing can be increased in 1/4" (6 mm) increments to meet your needs.

Use with Rigid Rubber Spacing Blocks on slant pours to prevent glass movement during installation.

NOTE: You must cut 5/8" (16 mm) off of the length of the Spacing and Sealing Pad when used with B5L Series Low Profile Base Shoe.



CAT. NO.	FITS BASE SHOE SERIES	GLASS THICKNESS	PAD WIDTH	PAD THICKNESS	PAD LENGTH	QTY/PKG
GR5NSB	8B, B5L, B5S, B5T, B6N, 9BL56, L56S	1/2" (12 mm) & 9/16" (13 mm)	1-1/16" (27 mm)	1/4" (6 mm)	3-7/16" (87 mm)	20
GR7NSB	8B34, B7S, 9BL68, L68S, 9BL21, L21S	3/4" (19 mm) & 27/32" (21.52 mm)	1-5/16" (33 mm)	1/4" (6 mm)	3-7/16" (87 mm)	20

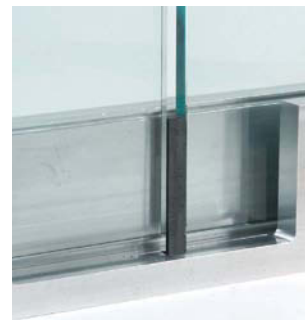
Minimum order: 20 each. Pads must be ordered in increments of 20.

CRL Rigid Rubber Spacing Blocks With Adhesive

- Adhesive Back Holds Spacing Block in Place
- Maintains Even Spacing of Glass Panels

CRL Rigid Rubber Spacing Blocks with Adhesive provide even spacing between glass panels. They are always necessary on slant stair installations to prevent the glass panels from sliding down. They are easily installed and perfectly aligned every time using the CRL Rubber Spacing Block and Sealing Pad Installation Tool. Adhesive back holds the Spacing Blocks in position.

NOTE: You must cut 5/8" (16 mm) off the length of the Spacing Block when used with B5L Series Low Profile Base Shoe.



CAT. NO.	FITS BASE SHOE SERIES	WIDTH	THICKNESS	LENGTH	QTY/PKG
GR5ASB	8B, B5S, B5T, B5L, 8B58, B6N, 9BL56, L56S	1/2" (12 mm)	1/4" (6 mm)	3-5/16" (84 mm)	100
GR7ASB	8B34, B7S, 9BL68, L68S	3/4" (19 mm)	1/4" (6 mm)	3-5/16" (84 mm)	100

Minimum order: 100 each. Must be ordered in increments of 100.

CRL Rubber Spacing Block and Sealing Pad Installation Tool

- Makes Positioning of Spacing Blocks or Sealing Pads Fast and Easy

Simply push the CRL Rubber Spacing Block, with the adhesive side out, into the notch at the end of the Installation Tool, and then remove the release paper. Slip the Tool into Base Shoe pocket and slide it toward the edge of the glass panel. When contact is made push firmly, and then slide the Tool back. The Spacing Block is now in the proper location. To install Sealing Pads, place them in the Base Shoe pocket, and then push into place with the Tool.

CAT. NO.	DESCRIPTION
RSBIT	Rubber Spacing Block and Sealing Pad Installation Tool

Minimum order: 1 each.

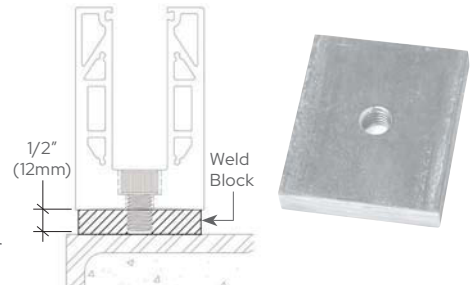


CRL GRS Base Shoe Anchors & Accessories

CRL Weld Blocks

- Mild Steel
- Fabricated and Ready to Weld
- Eliminates the Need for Drilling and Tapping on Job Site
- 10 Per Pack

Place CRL mild steel weld blocks under installed Base Shoes when existing metal substrates are less than 3/8" thickness. During the installation process make sure a certified welder applies a 3/16" (5 mm) continuous fillet weld on two opposite sides of the Weld Block for proper connection.



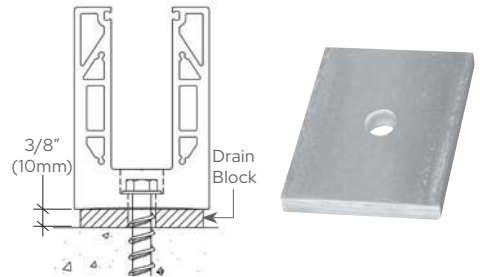
CAT. NO.	THICKNESS	WIDTH	LENGTH	TAPPED HOLE	WORKS WITH BASE SHOE
BSWB12	1/2" (13 mm)	2-1/2" (64 mm)	2-1/4" (57 mm)	1/2"-13	8B, B5S, B5T, B5L, 8B58, B6N
BSWB712	1/2" (13 mm)	2-3/4" (70 mm)	2-1/2" (64 mm)	1/2"-13	8B34, B7S, 9BL56, L56S
LSWB21	1/2" (13 mm)	3" (76 mm)	3-1/4" (83 mm)	M14-2.0	9BL21, L21S, L25S, 9BL68, L68S

Minimum order: 1 package.

CRL Drain Blocks

- Placed Under Base Shoe to Provide Drainage Space
- Great for Balconies and Decks
- 10 Per Pack

Place CRL Aluminum Drain Blocks under exterior installed Base Shoe to provide drainage space for water run-off. This is especially important where the Base Shoe will be installed on balconies or decks where water could dam up unless proper drainage is available. One Drain Block should be placed under each mounting hole. Blocks can be rotated to fit different width Base Shoe.



CAT. NO.	THICKNESS	WIDTH	LENGTH	WORKS WITH BASE SHOE
BSDB38	3/8" (10 mm)	2-1/2" (64 mm)	2-1/4" (57 mm)	8B, B5S, B5T, B5L, 8B58, B6N
BSDB34	3/8" (10 mm)	2-3/4" (70 mm)	2-1/2" (64 mm)	8B34, B7S, 9BL56, L56S
LSDB21	3/8" (10 mm)	3" (76 mm)	3-1/4" (83 mm)	9BL21, L21S, L25S, 9BL68, L68S

Minimum order: 1 package.

CRL Aluminum Shim Strips

- Available in Three Thicknesses: 1/64", 1/32", and 1/16" (.4, .8, and 1.6 mm) to Adjust Base Shoe to Plumb Position
- 10 Per Pack

CRL Aluminum Shim Strips are used under one side of the Base Shoe to adjust it into a plumb position before securing it with the fasteners. Length can be trimmed as required for an exact fit.



CAT. NO.	THICKNESS	WIDTH	LENGTH
BSS164	1/64" (0.4 mm)	3/4" (19 mm)	24" (610 mm)
BSS132	1/32" (0.8 mm)	3/4" (19 mm)	24" (610 mm)
BSS116	1/16" (1.6 mm)	3/4" (19 mm)	24" (610 mm)

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



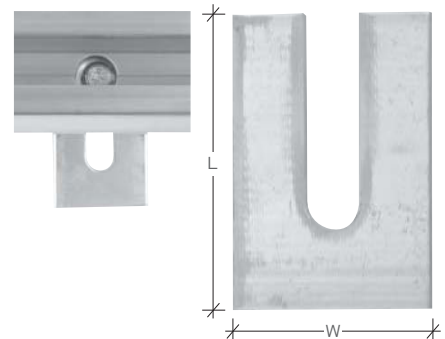
CRL Aluminum Horseshoe Shims

- Available in Three Thicknesses: 1/16", 1/8", and 1/4" (1.6, 3.2, and 6.3 mm)
- Won't Compress Under Base Shoe

CRL Aluminum Horseshoe Shims are ideal for Base Shoe installations. They will not compress or project beyond the Base Shoe. They are also the same base metal as the Base Shoe, so corrosion is minimized. Different thicknesses can be stacked to fill odd size gaps. 6061-T6 Aluminum Alloy.

CAT. NO.	THICKNESS	WIDTH	LENGTH
AHS66	1/16" (1.6 mm)	2" (51 mm)	3" (76 mm)
AHS68	1/8" (3.2 mm)	2" (51 mm)	3" (76 mm)
AHS64	1/4" (6.3 mm)	2" (51 mm)	3" (76 mm)

Minimum order: 100 each. Must be ordered in increments of 100. Sizes can be combined for quantity pricing.



CRL GRS Base Shoe Anchors & Accessories

CRL Hex Head Screws and Washers

- Use With CRL 9BL68, L68S, 9BL21, L21S, and L25S Series Base Shoes
- 304 Grade Stainless Steel

CRL Hex Head Screws and Washers are used to secure CRL's 9BL68, L68S, 9BL21, L21S, and L25S Series Base Shoes to approved 1/2" (13 mm) steel embedment plates with a minimum 1/2" (13 mm) of thread engagement. Also works with CRL Weld Blocks.

CAT. NO.

SHCSW14X34
SHCSM14X34
HHCS14X34

DESCRIPTION

28 mm O.D. Stainless Steel Washer
M14-2.0 x 20 mm Long, Din Rated Hex Head Screw
M14-2.0 x 20 mm Long, Din Rated Hex Head Screw with 28 mm Diameter Washer



Minimum order: 10 each. Must be ordered in increments of 10.

CRL Socket Head Cap Screws

- 304 Grade Stainless Steel

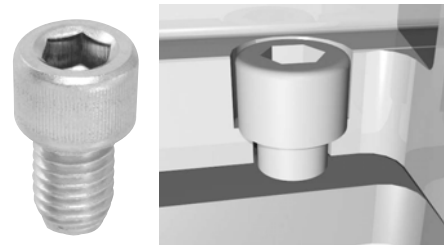
CAT. NO.

SHCS12X34
SHCS12X1
SHCS12X114
SHCS12X112

SIZE

1/2"-13 x 3/4" (19 mm)
1/2"-13 x 1" (25 mm)
1/2"-13 x 1-1/4" (32 mm)
1/2"-13 x 1-1/2" (38 mm)

CRL Socket Head Cap Screws are used to secure glass railing Base Shoe to approved 1/2" (13 mm) steel embedment plates with a minimum 1/2" (13 mm) of thread engagement. Also works with CRL Weld Blocks (see page 51).



Minimum order: 10 each. Must be ordered in increments of 10.

CRL Impact Sockets and Accessories

- Works with All SHCS12 Cap Screws
- Sets Socket Head Cap Screws

CAT. NO.

7290

DESCRIPTION

3/8" Drive - 3/8" (9.5 mm) Hex Bit

WORKS WITH

All SHCS12 Cap Screws

Minimum order: 1 each.

NOTE: Most shipping weights are approximate and have not been verified. If the exact weight is needed in order to determine shipping costs, and shipping costs are required in order for you to complete your order, please request this prior to submitting your order by contacting CRL Customer Service. Product images shown are of the actual product or a close representation. Colors can vary depending on your computer's video card and on how your monitor's color is adjusted.



CRL Wood Mount L-Angle Kits

- Great for Balconies and Decks
- Zinc Plated to Prevent Corrosion

CRL Wood Mount L-Angle Kits are for use with CRL Heavy Aluminum Base Shoes. When screwed to structurally sound wood beams, providing an attachment point using our pre-drilled Base Shoes and our Stainless Steel Socket Head Cap Screws. Each Kit contains 10 L-Angles plus 80 wood screws.

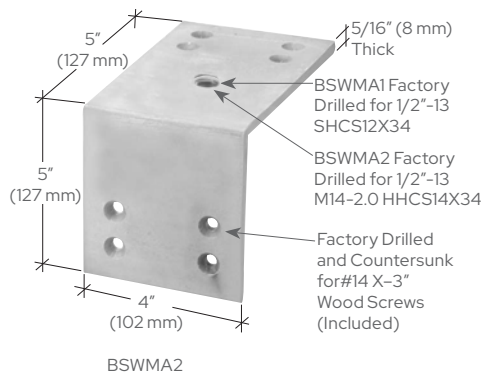
CAT. NO.

BSWMA1
BSWMA2

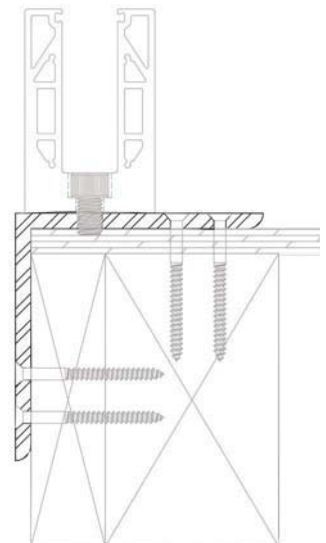
WORKS WITH BASE SHOE

All 8B, B5, B6, B7, and 9BL56, L56S
9BL68, L68S, 9BL21, L21S, L25S

Minimum order is 1 pack (10 L-Angles per pack).



Both BSWMA1 and BSWMA2 Include Eight Wood Screws Per L-Angle



CRL GRS Base Shoe Tools and Accessories

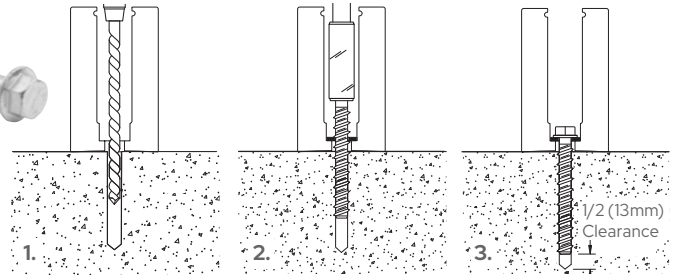
Base Shoe Fasteners and Accessories Hilti® KWIK HUS-EZ Screw Anchors

- Heat Treated Carbon Steel or Stainless Steel

Hilti® KWIK HUS-EZ Anchors achieve their load capacity by the thread undercutting the base material. They can be applied in 3000 to 8500 psi concrete to achieve maximum clamping torque to the Base Shoe. Anchors are 2018 IBC Compliant.

CAT. NO.	DESCRIPTION	QTY/BOX
WBA14X3	1/4" x 3" (6 x 76 mm) Screw Anchor	50
WBAW14	*Washer for WBA14X3	50
WBA38X4	3/8" x 4" (10 x 102 mm) Screw Anchor	50
WBA38X4SS	3/8" x 4" (10 x 102 mm) Screw Anchor	50
WBAW38	*Washer for WBA38X4 and WBA38X4SS	50
WBA12X4	1/2" x 4" (13 x 102 mm) Screw Anchor	50
WBA14X4SS	1/2" x 4" (14 x 135 mm) Screw Anchor	50

Minimum order: 50 each. Must be ordered in increments of 50. *Must be used with Wedge-Bolt Anchors to achieve the required attachment strength of the Base Shoe to the concrete.



1. Using the proper diameter ANSI Grade drill bit, drill a hole into the concrete to a depth of at least 1/2" (13 mm), or one anchor diameter deeper than the embedment required. Blow the hole clean of dust and other material.

2. Insert the Screw Anchor through the Washer and Base Shoe into the hole. Begin tightening the Screw Anchor by rotating clockwise and applying downward pressure. This will engage the first few threads as the Anchor begins to advance.

3. Continue tightening the Anchor until it is firmly seated against the Base Shoe while achieving the required embedment depth. In extremely dense materials, use of an impact wrench is recommended.

Hilti® HSL-4 Expansion Anchors

- Approved for Use With CRL's Railing Systems
- Optimized Design Provides Reliable Performance in a Wide Range of Applications
- Delivers Optimum Performance in Cracked Concrete in the Tension Zone, Resulting in Excellent Load Value



CAT. NO.	DESCRIPTION
EBA334	Hilti® M8 3-7/8" (98 mm) Long HSL-4 Expansion Anchor
EBA335	Hilti® M12 6-1/8" (156 mm) Long HSL-4 Expansion Anchor

Minimum order: 10 each. Must be ordered in increments of 10.



CRL S.D.S. Masonry Drills

- ANSI Specifications for Wedge-Bolts
- Work in Regular and Impact Drills

S.D.S. Masonry Drills are made to the ANSI Specifications required for the proper performance of Hilti® KWIK HUS-EZ Screw Anchors. Life expectancy: 100-500 holes, depending on substrate and drill used. They work in both regular and impact drills, and can be used in a variety of masonry materials.



CAT. NO.	DIAMETER	LENGTH
SDSW12	.495" (13 mm)	12" (305 mm)
SDSW38	.389" (10 mm)	12" (305 mm)
SDSW14	.259" (7 mm)	8" (203 mm)

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



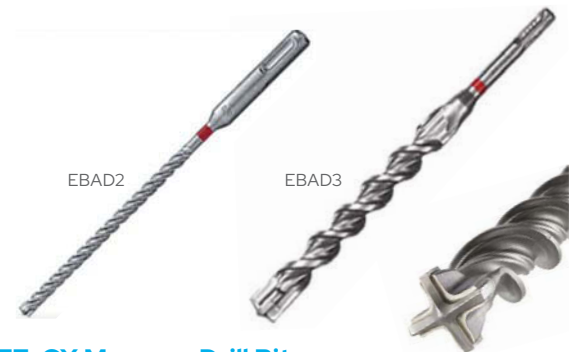
CRL 9/16" Drill Bit 7/8" C-Bore

- For Drilling Holes in 8B, B5T, B5S, B6N, 8B58, 9BL56, L56S, 8B34, and B7S Base Shoes
- For Use in Drill Press Only

CAT. NO.
91678CB

DESCRIPTION
9/16" Drill Bit 7/8" C-Bore used during the installation of Blumcraft products

Minimum order is one each.



Hilti® TE-CX Masonry Drill Bits

- For use with EBA334 and EBA335 Hilti® HSL-4 Expansion Anchors
- Gradient Technology, Superior Heat Resistance and Ruggedness - Even When Drilling into Rebar
- For Drilling Into Concrete and Masonry

The Hilti® TE-CX is the world's first Hammer Drill Bits with gradient technology, superior heat resistance and ruggedness - even when drilling into rebar. Four tungsten carbide cutting edges provides superior shock absorption. Longer life compared to other hammer drill bits. Innovative helix fluting faster drilling and excellent removal of dust and fragments. For use with EBA334 and EBA335 Hilti® HSL-4 Expansion Anchor.

CAT. NO.
EBAD2
EBAD3

DESCRIPTION
10-5/8" (270 mm) Long TE-CX Masonry Drill Bit
18" (470 mm) Long TE-CX Masonry Drill Bit

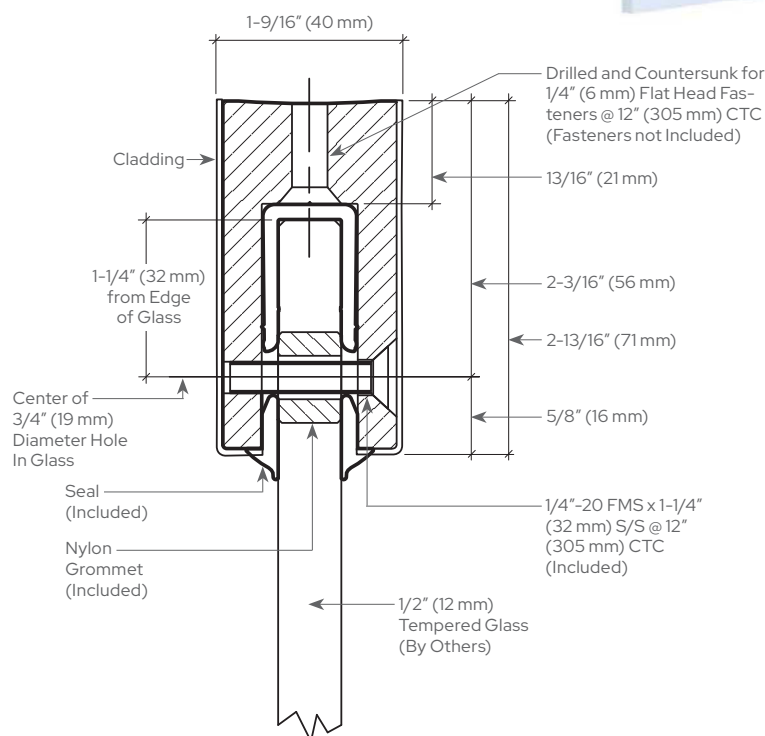
Minimum order: 1 each.

CRL Smoke Baffle Systems

CRL Standard Smoke Baffle Base Shoe for 1/2" (12 mm) Glass

- For Fabricating Almost Invisible Smoke Curtains With 1/2" (12 mm) Tempered Glass
- Glass is Mechanically Secured With Fasteners and Grommets
- Custom Drilling, Mitering, and Cutting Services Available

CRL Standard Smoke Baffle Base Shoe is designed to provide an almost invisible 1/2" (12 mm) tempered glass smoke curtain. Many of today's fire codes require large offices or retail areas to be broken down into smaller, more manageable areas that can be monitored by smoke detectors. This is the specific application for smoke baffles or curtains. Smoke curtains work to retain smoke in a specific area of a specified square footage. Some sprinkler systems are activated by a smoke alarm, so sectioning off areas through the use of smoke curtains can prevent unnecessary sprinkler activation.



CRL Standard Smoke Baffle Base Shoe With Cladding

NOTE: Check your local building codes for regulations pertaining to ceiling area square footage and required depth specifications for smoke baffles or glass curtains.

CAT. NO.	STOCK LENGTH	CEILING ATTACHMENT
B5B10	120" (3.05 m)	Requires (10) 1/4" (6 mm) Flat Head Fasteners
B5B20	240" (6.10 m)	Requires (20) 1/4" (6 mm) Flat Head Fasteners

Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Comes with GR5PV Cap Rail Vinyl, glass mounting grommets, fasteners, and RG12100 Roll-In Vinyl. Must ship common carrier.

Shipping Notice: Due to the difficulty in packaging and handling 240" (6.10 m) stock lengths, it is suggested that you Will Call these at any of our regional service centers. If requiring shipment, all packaging and handling concerns must be agreed to by CRL and the customer prior to shipping. All shipping arrangements will be documented on your quotation for your signed approval.



Extruded aluminum Standard Smoke Baffle Base Shoe simply attaches to the ceiling structure so the glass can hang straight down. The glass is secured with screws going through nylon grommets (both included), that fit into 3/4" (19 mm) holes drilled in the glass on 12" (305 mm) centers. A glass fabrication template is included. Cladding in six architectural finishes is available (see page 15).



Replacement Fasteners and Grommets

CAT. NO.	QTY/PACK
B5BSP1	(10 Each Per Pack)
Minimum order: 1 pack.	

GLASS ATTACHMENT	WEIGHT
Requires 3/4" (19 mm) Holes	38 lbs. (17 kg)
Requires 3/4" (19 mm) Holes	75 lbs. (34 kg)

CRL Smoke Baffle Systems

CRL Cladding for Standard Smoke Baffle Base Shoe

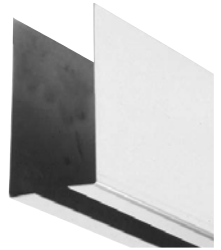
CAT. NO.	GRADE	GA./THK.	STOCK LENGTH	FINISH
BWCBS10	304	20/.035"	120" (3.05 m)	Brushed Stainless
BWCPS10	304	20/.035"	120" (3.05 m)	Polished Stainless
BWCPB10	C260	.045"	120" (3.05 m)	Polished Brass
BWCSB10	C260	.045"	120" (3.05 m)	Satin Brass
BWCSA10	5052	.050"	120" (3.05 m)	Satin Anodized
BWCDU10	5052	.050"	120" (3.05 m)	Dark Bronze Anodized

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

NOTE: Cladding in lengths up to 168" (4.27 m) can be fabricated on special order.

CRL Cladding is available in six architectural finishes. It can be secured to the Base Shoe using Cladding Tape and Silicone Sealant.

NOTE: Sold only by individual pieces. Base Shoe requires two pieces for coverage on both sides.



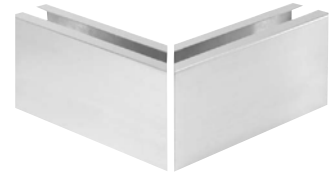
CRL 12" Mitered Corner Cladding for Standard Smoke Baffle Base Shoe

- 90 Degree and 135 Degree Corner Sets

90 DEGREE CORNER CAT. NO.	135 DEGREE CORNER CAT. NO.	GRADE	GA./THK.	FINISH
B5W90BS	B5W135BS	304	20/.035"	Brushed Stainless
B5W90PS	B5W135PS	304	20/.035"	Polished Stainless
B5W90PB	B5W135PB	C260	.045"	Polished Brass
B5W90SB	B5W135SB	C260	.045"	Satin Brass
B5W90SA	B5W135SA	5052	.050"	Satin Anodized
B5W90DU	B5W135DU	5052	.050"	Dark Bronze Anodized

Minimum order: 1 set. All finishes can be combined for quantity pricing.

CRL Mitered Corner Cladding is available in six architectural finishes. Outside legs are 12" (305 mm) in length, and can be secured to the Base Shoe using Cladding Tape and Silicone Sealant. See page 37 for CRL AT234 Cladding Tape, 95CBL Silicone Sealant, and attachment instructions. Sold only in sets of four pieces.



CRL End Caps for Standard Smoke Baffle Base Shoe

- Adhere With Cladding Tape and Silicone Sealant
- Six Architectural Finishes

CAT. NO.	GRADE	GA./THK.	FINISH
B5WECBS	304	20/.035"	Brushed Stainless
B5WECPS	304	20/.035"	Polished Stainless
B5WECPB	C260	.045"	Polished Brass
B5WECBS	C260	.045"	Satin Brass
B5WECSA	5052	.050"	Satin Anodized
B5WECDU	5052	.050"	Dark Bronze Anodized

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



CRL Roll-In Vinyl

- Black Vinyl Dresses Up Top Opening

CRL Roll-In Vinyl finishes off the installation of the glass panels in wet glaze installations, and also helps secure the glass in Smoke Baffle Base Shoe applications.

CAT. NO.	FOR GLASS SIZE	ROLL LENGTH
RG12100	1/2" (12 mm)	100' (30.5 m)
RG12500	1/2" (12 mm)	500' (152.4 m)

Minimum order: 1 roll.



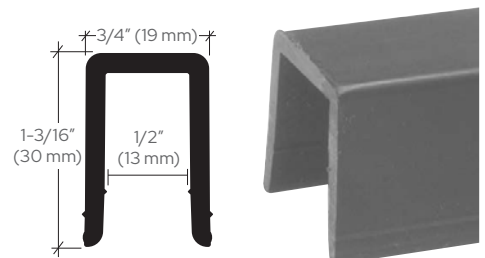
CRL Cap Rail Vinyl

- Centers the Top of the Glass in B5B Series Standard Smoke Baffle Base Shoe
- Black Color Vinyl Protects Glass Edge

CRL Cap Rail Vinyl is applied to the edge of the glass before inserting it into the Smoke Baffle Base Shoe. This centers the glass and protects the edge while holding mounting grommets in place.

CAT. NO.	DESCRIPTION	STOCK LENGTH
GR5PV	Cap Rail Vinyl for 1/2" (12 mm) Glass	120" (3.05 m)

Minimum order: 1 stock length. 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. Packing charge added to orders of fewer than five stock lengths.

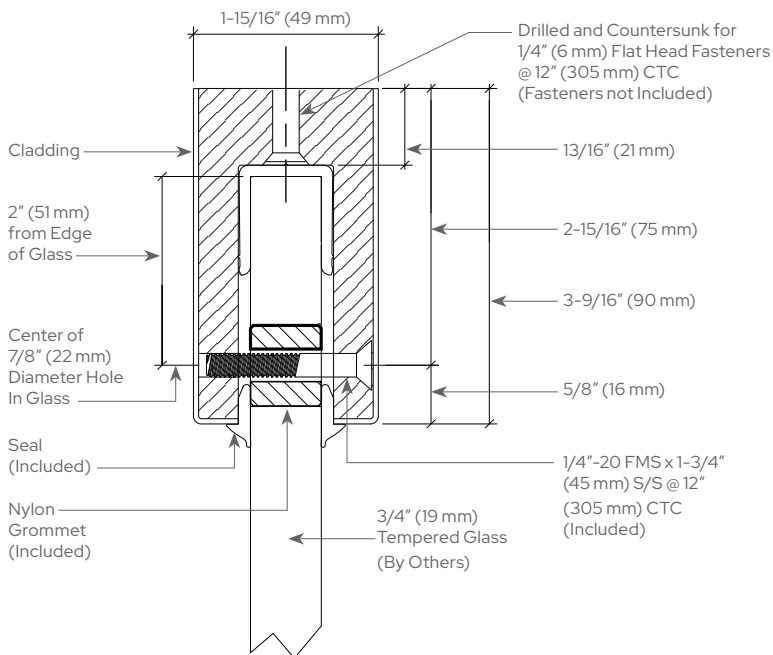


CRL Smoke Baffle Systems

CRL Heavy-Duty Smoke Baffle Base Shoe for 3/4" (19 mm) Glass

- For Fabricating Almost Invisible Smoke Curtains With 3/4" (19 mm) Tempered Glass
- Glass is Mechanically Secured With Fasteners and Grommets
- Custom Drilling, Mitering, and Cutting Services Available

CRL Heavy-Duty Smoke Baffle Base Shoe is designed to provide an almost invisible 3/4" (19 mm) tempered glass smoke curtain. Many of today's fire codes require large offices or retail areas to be broken down into smaller, more manageable areas that can be monitored by smoke detectors. This is the specific application for smoke baffles or curtains. Smoke curtains work to retain smoke in an area of a specified square footage. Some sprinkler systems are activated by a smoke alarm, so sectioning off areas through the use of smoke curtains can prevent unnecessary sprinkler activation.



CRL Heavy-Duty Smoke Baffle Base Shoe With Cladding

NOTE: Check your local building codes for regulations pertaining to ceiling area square footage and required depth specifications for smoke baffles or glass curtains.

CAT. NO.	STOCK LENGTH	CEILING ATTACHMENT
B7B10	120" (3.05 m)	Requires (10) 1/4" (6 mm) Flat Head Fasteners
B7B20	240" (6.10 m)	Requires (20) 1/4" (6 mm) Flat Head Fasteners

Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Comes with GR5PV Cap Rail Vinyl, glass mounting grommets, fasteners, and RG12100 Roll-In Vinyl. Must ship common carrier.

Shipping Notice: Due to the difficulty in packaging and handling 240" (6.10 m) stock lengths, it is suggested that you Will Call these at any of our regional service centers. If requiring shipment, all packaging and handling concerns must be agreed to by CRL and the customer prior to shipping. All shipping arrangements will be documented on your quotation for your signed approval.



Extruded aluminum Heavy-Duty Smoke Baffle Base Shoe simply attaches to the ceiling structure so the glass can hang straight down. The glass is secured with screws going through nylon grommets (both included), that fit into 3/4" (19 mm) holes drilled in the glass on 12" (305 mm) centers. A glass fabrication template is included. Cladding in six architectural finishes is available. (see opposite page). For additional Base Shoe specifications visit our web site at crlaurence.com



Replacement Fasteners and Grommets

CAT. NO.
B7BSP1

QTY/PACK
(10 Each Per Pack)

Minimum order: 1 pack.

GLASS ATTACHMENT	WEIGHT
Requires 3/4" (19 mm) Holes	43 lbs. (19 kg)
Requires 3/4" (19 mm) Holes	86 lbs. (39 kg)

CRL Smoke Baffle Systems

CRL Cladding for Heavy-Duty Smoke Baffle Base Shoe

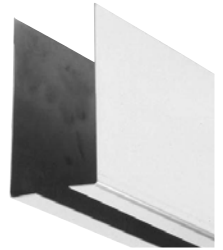
CAT. NO.	GRADE	GA./THK.	STOCK LENGTH	FINISH
B7WCBS10	304	20/.035"	120" (3.05 m)	Brushed Stainless
B7WCPS10	304	20/.035"	120" (3.05 m)	Polished Stainless
B7WCPB10	C260	.045"	120" (3.05 m)	Polished Brass
B7WCSB10	C260	.045"	120" (3.05 m)	Satin Brass
B7WCSA10	5052	.050"	120" (3.05 m)	Satin Anodized
B7WCDU10	5052	.050"	120" (3.05 m)	Dark Bronze Anodized

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

NOTE: Cladding in lengths up to 168" (4.27 m) can be fabricated on special order.

CRL Cladding is available in six architectural finishes. It can be secured to the Base Shoe using Cladding Tape and Silicone Sealant.

NOTE: Sold only by individual pieces. Base Shoe requires two pieces for coverage on both sides.



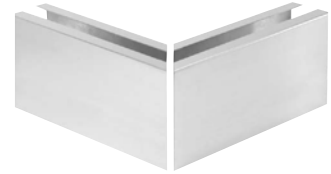
CRL 12" Mitered Corner Cladding for Heavy-Duty Smoke Baffle Base Shoe

- 90 Degree and 135 Degree Corner Sets

90 DEGREE CORNER	135 DEGREE CORNER			
CAT. NO.	CAT. NO.	GRADE	GA./THK.	FINISH
B7W90BS	B7W135BS	304	20/.035"	Brushed Stainless
B7W90PS	B7W135PS	304	20/.035"	Polished Stainless
B7W90PB	B7W135PB	C260	.045"	Polished Brass
B7W90SB	B7W135SB	C260	.045"	Satin Brass
B7W90SA	B7W135SA	5052	.050"	Satin Anodized
B7W90DU	B7W135DU	5052	.050"	Dark Bronze Anodized

Minimum order: 1 set. All finishes can be combined for quantity pricing.

CRL Mitered Corner Cladding is available in six architectural finishes. Outside legs are 12" (305 mm) in length, and can be secured to the Base Shoe using Cladding Tape and Silicone Sealant. See page 37 for CRL AT234 Cladding Tape, 95CBL Silicone Sealant, and attachment instructions. Sold only in sets of four pieces.



CRL End Caps for Standard Smoke Baffle Base Shoe

- Adhere With Cladding Tape and Silicone Sealant
- Six Architectural Finishes

CAT. NO.	GRADE	GA./THK.	FINISH
B7WECBS	304	20/.035"	Brushed Stainless
B7WECPS	304	20/.035"	Polished Stainless
B7WECPB	C260	.045"	Polished Brass
B7WECSB	C260	.045"	Satin Brass
B7WECSA	5052	.050"	Satin Anodized
B7WECDU	5052	.050"	Dark Bronze Anodized

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



CRL Roll-In Vinyl

- Black Vinyl Dresses Up Top Opening

CRL Roll-In Vinyl finishes off the installation of the glass panels in wet glaze installations, and also helps secure the glass in Smoke Baffle Base Shoe applications.

CAT. NO.	FOR GLASS SIZE	ROLL LENGTH
RG12100	3/4" (19 mm)	100' (30.5 m)
RG12500	3/4" (19 mm)	500' (152.4 m)

Minimum order: 1 roll.



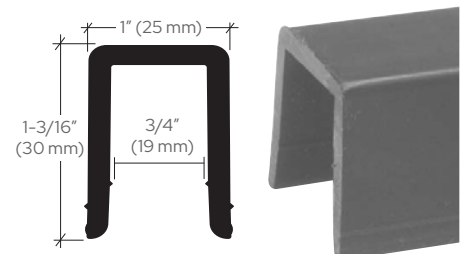
CRL Cap Rail Vinyl

- Centers the Top of the Glass in B7B Series Heavy-Duty Smoke Baffle Base Shoe
- Black Color Vinyl Protects Glass Edge

CRL Cap Rail Vinyl is applied to the edge of the glass before inserting it into the Smoke Baffle Base Shoe. This centers the glass and protects the edge while holding mounting grommets in place.

CAT. NO.	DESCRIPTION	STOCK LENGTH
GR7PV	Cap Rail Vinyl for 3/4" (19 mm) Glass	120" (3.05 m)

Minimum order: 1 stock length. 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. Packing charge added to orders of fewer than five stock lengths.



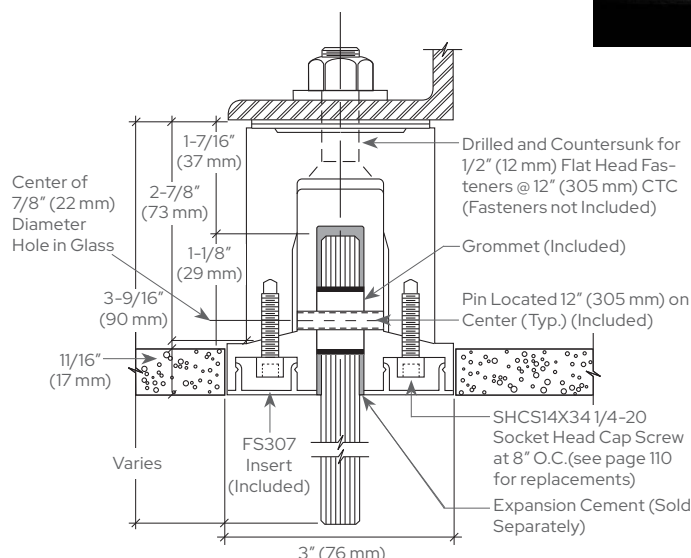
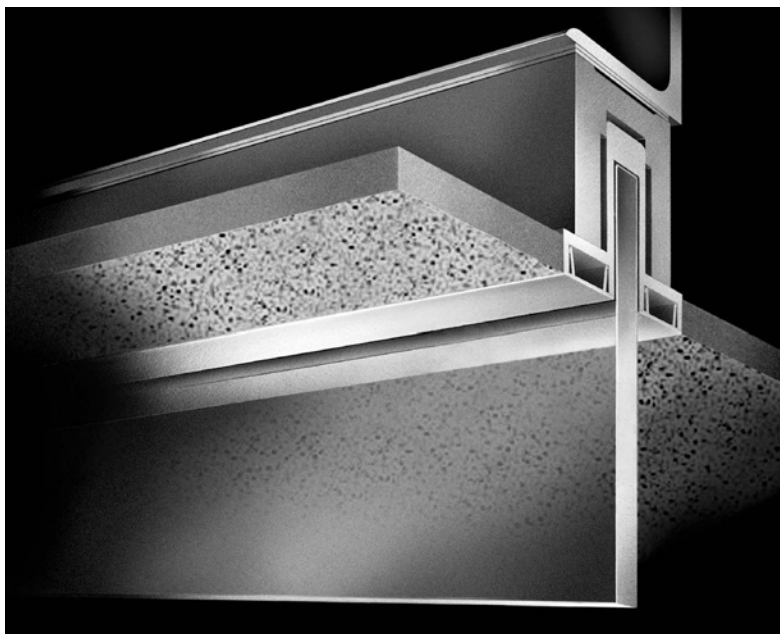
CRL Blumcraft® Smoke Baffle Systems

CRL Blumcraft® SB200 Two Piece Smoke Baffle Base Shoe for 1/2" (12 mm) Glass

- For Use With 1/2" (12 mm) Tempered Glass
- Two Piece Mounting Bracket Permits Easy Glass Panel Replacement by Using Readily Accessible Bolts
- Wet Glazed System Only
- Factory Controlled Bonding of Glass is Also Available
- Two Piece Mounting Bracket Isolates Glass Panels Against the Shock of Building Movement

The CRL Blumcraft® SB200 Two Piece Smoke Baffle System is Designed to provide an invisible glass wall that meets today's fire codes, This product is used to retain smoke in a specific area of a specified square footage.

NOTE: Check your local building codes for regulations pertaining to ceiling area square footage and required depth and height specifications for smoke baffles, partitions or glass curtains.

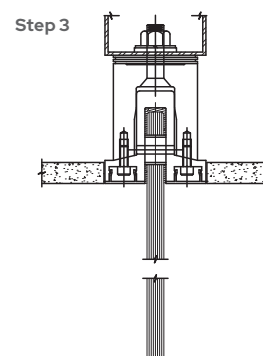
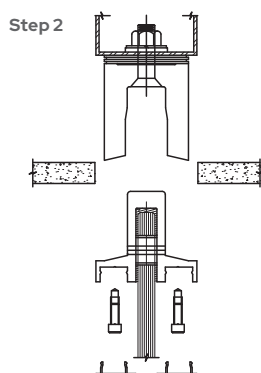
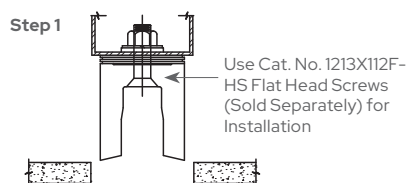


Replacement Pins and Grommets

CAT. NO.
SB200SP1

QTY/PACK
(10 Each Per Pack)

Minimum order: 1 pack.



CAT. NO.
SB200SA
SB200DB

FINISH
Satin Anodized (Class 2)
Dark Bronze Anodized Painted

STOCK LENGTH
144" (3.66 m)
144" (3.66 m)

GLASS ATTACHMENT
Requires 7/8" (22 mm) Holes
Requires 7/8" (22 mm) Holes

WEIGHT
99 lbs. (45 kg)
99 lbs. (45 kg)

Minimum order: 1 each. All Base Shoe can be combined for quantity pricing. Must ship common carrier.

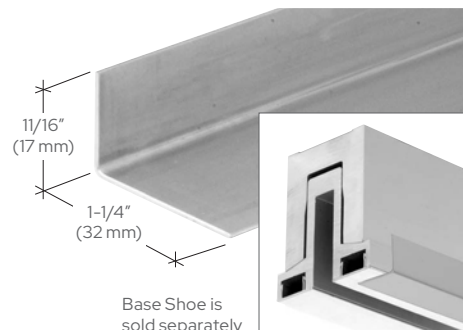
CRL Blumcraft® Smoke Baffle Systems

CRL Blumcraft® Cladding for SB200 Smoke Baffle Base Shoe

- Adhere With Cladding Tape and Silicone Sealant (See Page 37)
- Four Architectural Finishes

CAT. NO.	GRADE	GA./THK.	LENGTH	FINISH
RG2CBS10	316	20/.035"	120" (3.05 m)	Brushed Stainless
RG2CPS10	316	20/.035"	120" (3.05 m)	Polished Stainless

Minimum order: 1 each. All finishes can be combined for quantity pricing. Standard stock lengths are 120" (3.05 m). Custom lengths up to 168" (4.26 m) are available on special order. Must ship common carrier.

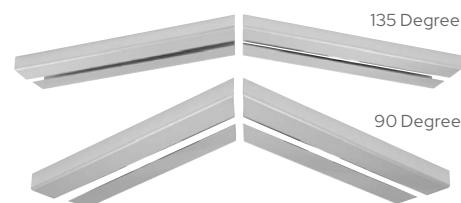


CRL Blumcraft® 12" Mitered Corner Cladding for SB200 Smoke Baffle Base Shoe

- 90 Degree and 135 Degree Corner Sets
- Adhere With Cladding Tape and Silicone Sealant (See Page 37)
- Four Architectural Finishes

90 DEGREE CORNER CAT. NO.	135 DEGREE CORNER CAT. NO.	GRADE	GA./THK.	FINISH
RG290BS	RG2135BS	316	20/.035"	Brushed Stainless
RG290PS	RG2135PS	316	20/.035"	Polished Stainless

Minimum order: 1 set. All finishes can be combined for quantity pricing.



CRL Blumcraft® Mitered Corner Cladding for SB200 Series Base Shoe is available in four architectural finishes. Each leg is 12" (305 mm) in length, and can be secured to the Base Shoe using CRL AT234 Cladding Tape and 95CBL Silicone Sealant. Comes four pieces per set.

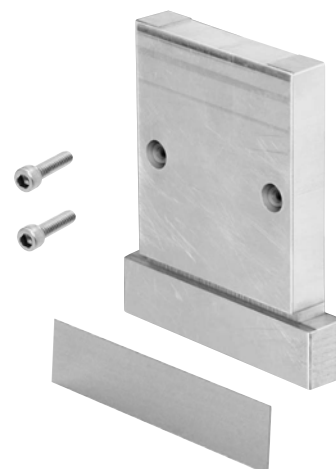
CRL Blumcraft® End Caps for SB200 Smoke Baffle Base Shoe

- Formed and Shaped to Fit
- Four Architectural Finishes, Plus Mill Aluminum

CRL Blumcraft® End Caps are available in four architectural finishes, plus mill aluminum. End Caps are secured to the Base Shoe using two screws (included). One End Cap per package.

CAT. NO.	GRADE	GA./THK.	FINISH
RG2ECBS	316	20/.035"	Brushed Stainless
RG2ECPS	316	20/.035"	Polished Stainless
RG2ECSA	6063.	500"	Satin Anodized
RG2ECDDB	6063.	500"	Dark Bronze Painted
RG2ECM	6063.	500"	Mill Aluminum

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



CRL Blumcraft® FS307 Replacement Snap-In Insert for SB200 Smoke Baffle Base Shoe

- Conceals Bolt Heads in SB200 Two Piece Mounting Shoe
- Easy Snap-In Installation

CAT. NO.	GRADE	LENGTH	FINISH
FS307SA	6063	144" (3.65 m)	Satin Anodized
FS307DB	6063	144" (3.65 m)	Dark Bronze Painted
FS307M	6063	144" (3.65 m)	Mill Aluminum

Minimum order: 1 each. 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 GRS Cap Railing Systems

CRL Roll Formed Cap Rails for Monolithic Tempered and Laminated Tempered Glass

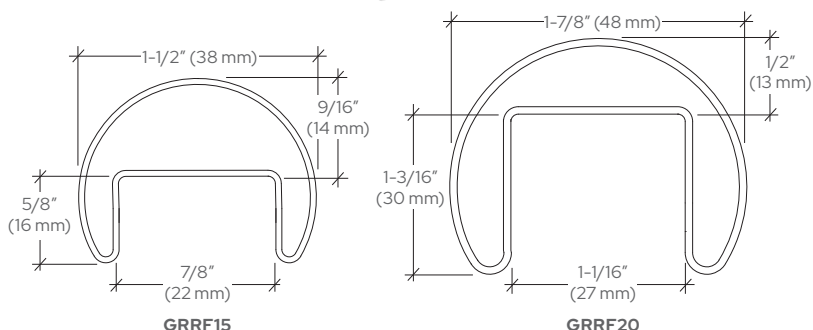
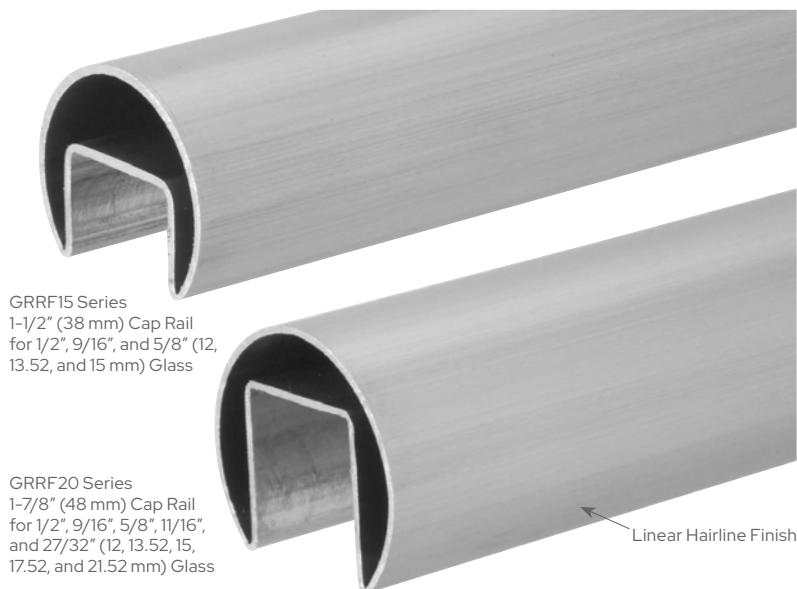
- For 1/2" to 27/32" (12 to 21.52 mm) Glass
- 316 Grade Stainless Steel
- 19'-8" (6 m) Stock Lengths Available in Two Architectural Finishes
- Designed for Interior or Exterior Applications
- Connects to Fabricated Corners and End Caps
- Cut to Size, Custom Fabricated Lengths, and Custom Finishes Available 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 page 62).

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 (see page 96) to achieve a secure and permanent bond at all connections.

NOTE: CRL Roll Formed Cap Rails, End Caps, Corners, Connecting Sleeves and Rubber Inserts are style specific and cannot be used with any other CRL Cap Railing System.

*This dimension is used to calculate the glass size. Add the clearance for Protective Rubber Insert (see page 62) or visit crlaurence.com for glass deduction templates.



1-1/2" (38 MM) DIAMETER ROLL FORMED CAP RAIL IN 19'-8" (6 M) LENGTHS FOR 1/2" (12 MM) AND 5/8" (16 MM) TEMPERED MONOLITHIC GLASS AND 9/16" (13.52 MM) LAMINATED TEMPERED GLASS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GRRF15BS	316	Brushed Stainless	.050" (1 mm)	GRRF15CSS
GRRF15PS	316	Polished Stainless	.050" (1 mm)	GRRF15CSS

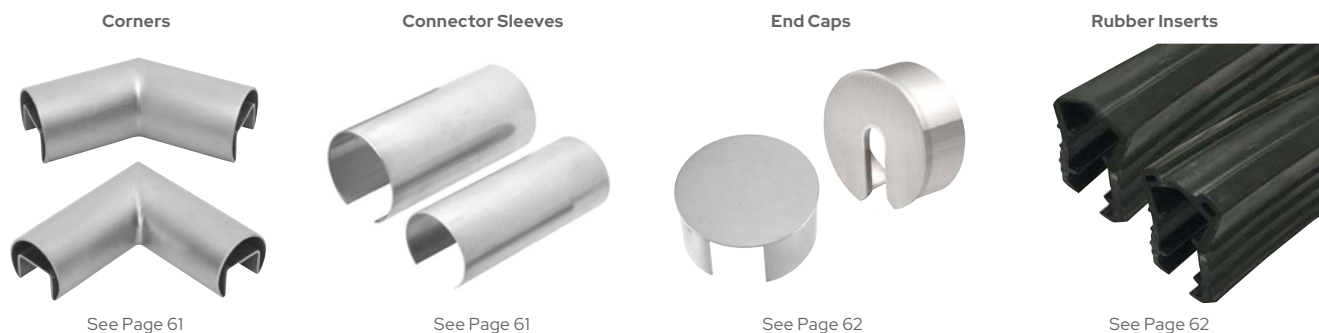
Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing. Must ship common carrier.

1-7/8" (48 MM) DIAMETER ROLL FORMED CAP RAIL IN 19'-8" (6 M) LENGTHS FOR 1/2" (12 MM) AND 5/8" (16 MM) TEMPERED MONOLITHIC GLASS AND 9/16" (13.52 MM), 11/16" (17.52 MM), 27/32" (21.52 MM) LAMINATED TEMPERED GLASS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GRRF20BS	316	Brushed Stainless	.050" (1 mm)	GRRF20CSS
GRRF20PS	316	Polished Stainless	.050" (1 mm)	GRRF20CSS

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

CRL Roll Formed Cap Rail Accessories

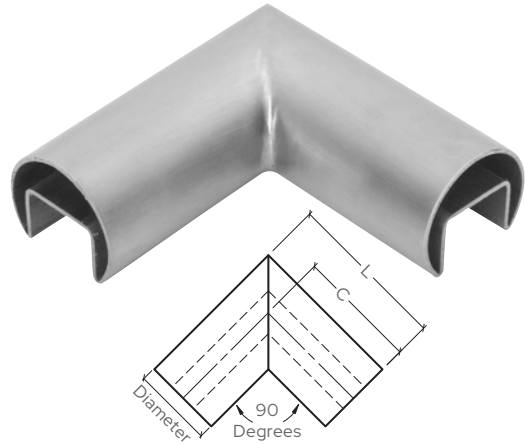


CRL GRS Cap Railing Systems

CRL 90 Degree Horizontal Roll Formed Cap Rail Corners

- Designed for Interior or Exterior Applications
- 316 Grade Stainless Steel
- Welded, Finished, and Ready to Install
- Two Sizes and Architectural Finishes
- Requires Two Connector Sleeves (Not Included)
- For 1/2" to 27/32" (12 to 21.52 mm) Glass

CRL Roll Formed Cap Rail Interior slip-fit Horizontal Corners allow for hairline joint assemblies with straight lengths of CRL Roll Formed Cap Rails only. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96). Two Roll Form Connector Sleeves are required for use with each corner. Not compatible with any other CRL GRS Cap Rail System.



FOR 1-1/2" (38 MM) DIAMETER GRRF15 SERIES CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GRRF15HBS	316	Brushed Stainless	L=3-11/16" (94 mm)
GRRF15HPS	316	Polished Stainless	C=2-7/8" (73 mm)

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

FOR 1-7/8" (48 MM) DIAMETER GRRF20 SERIES CAP RAILING

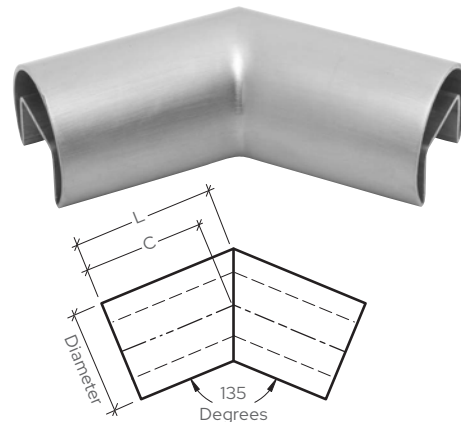
CAT. NO.	GRADE	FINISH	DIMENSIONS
GRRF20HBS	316	Brushed Stainless	L=3-7/8" (98 mm)
GRRF20HPS	316	Polished Stainless	C=2-7/8" (73 mm)

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

CRL 135 Degree Horizontal Roll Formed Cap Rail Corners

- 316 Grade Stainless Steel
- Welded, Finished, and Ready to Install
- Two Sizes and Architectural Finishes
- Requires Two Connector Sleeves (Not Included)
- For 1/2" to 27/32" (12 to 21.52 mm) Glass

CRL Roll Formed Cap Rail Interior slip-fit Horizontal Corners allow for hairline joint assemblies with straight lengths of CRL Roll Formed Cap Rails only. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement is required to achieve a secure and permanent bond (see page 96). Two Roll Form Connector Sleeves are required for use with each corner (see below). Not compatible with any other CRL GRS Cap Rail System.



FOR 1-1/2" (38 MM) DIAMETER GRRF15 SERIES CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GRRF15H3BS	316	Brushed Stainless	L=2-1/2" (64 mm)
GRRF15H3PS	316	Polished Stainless	C=2-1/8" (54 mm)

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

FOR 1-7/8" (48 MM) DIAMETER GRRF20 SERIES CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GRRF20H3BS	316	Brushed Stainless	L=2-5/8" (67 mm)
GRRF20H3PS	316	Polished Stainless	C=2-1/8" (54 mm)

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

CRL Connector Sleeves for Roll Formed Cap Railings, Cap Rail Corners, and Hand Railings

- Formed, Shaped to Fit, and Ready to Install
- Provides Proper Alignment at Splices

CRL Connector Sleeves are used to connect and provide proper alignment between railing splices and railing-to-corner splices. Connector Sleeves are 5" (127 mm) long, and must be compressed to fit inside the Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond.

CAT. NO.	GRADE	FOR USE WITH
GRRF15CSS	316	GRFF15 Series Cap Rails and Corners
GRRF20CSS	316	GRFF20 Series Cap Rails and Corners

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



IMPORTANT INSTALLATION NOTE:
Always use Connector Sleeves made of the same metal as the Cap Rail, Cap Rail Corner, or Hand Rail metal to be joined.

CRL GRS Cap Railing Systems

CRL End Caps for Roll Formed Cap Rails

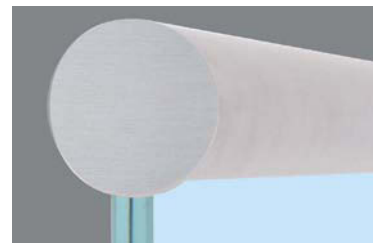
- Formed and Shaped to Fit Roll Formed Cap Rails
- 316 Grade Stainless Steel

CRL End Caps easily slip into the Roll Formed Cap Rails. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Standard stainless alloy is 316. Fits CRL Roll Formed Cap Rails only.

FOR 1-1/2" (38 MM) DIAMETER GRRF15 SERIES CAP RAILING

CAT. NO.	GRADE	FINISH
GRRF15ECBS	316	Brushed Stainless
GRRF15ECPs	316	Polished Stainless

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



FOR 1-7/8" (48 MM) DIAMETER GRRF20 SERIES CAP RAILING

CAT. NO.	GRADE	FINISH
GRRF20ECBS	316	Brushed Stainless
GRRF20ECPs	316	Polished Stainless

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

CRL Stabilizing End Caps for Roll Formed Cap Rails

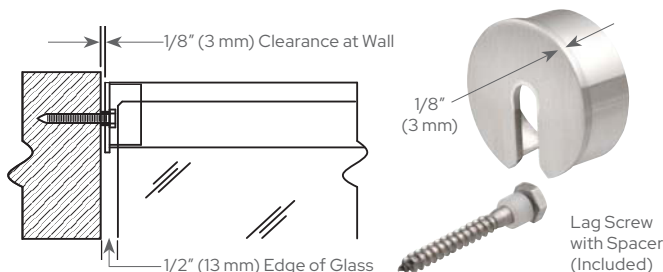
- Formed and Shaped to Fit Roll Formed Cap Rails
- 316 Grade Stainless Steel

CRL Stabilizing End Caps easily slip into our Roll Formed Cap Rails. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Standard stainless alloy is 316. Includes: 1/4" x 2" (6 x 51 mm) Lag Screw with 1/4" (6 mm) nylon spacer. Fits CRL Roll Formed Cap Rails only.

FOR 1-1/2" (38 MM) DIAMETER GRRF15 SERIES CAP RAILING

CAT. NO.	GRADE	FINISH
GRRF15SECBS	316	Brushed Stainless
GRRF15SECPs	316	Polished Stainless

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



FOR 1-7/8" (48 MM) DIAMETER GRRF20 SERIES CAP RAILING

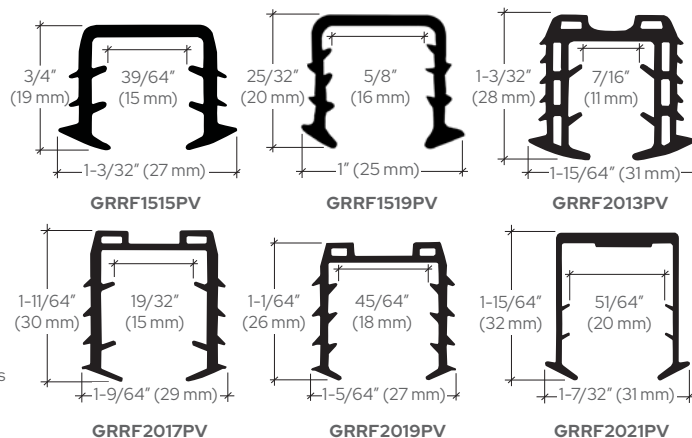
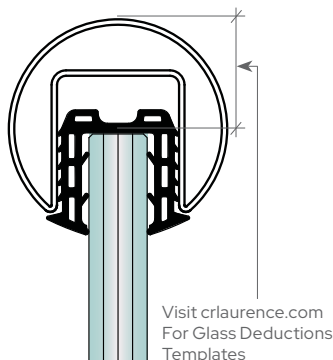
CAT. NO.	GRADE	FINISH
GRRF20SECBS	316	Brushed Stainless
GRRF20SECPs	316	Polished Stainless

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

CRL Roll Formed Cap Rail Protective Rubber Inserts

- Provide a Secure Fit Between Glass and Cap Rail

CRL Cap Rail Protective Rubber Inserts are made of a flexible black rubber designed for our Roll Formed Cap Rails when using 1/2", 5/8", and 3/4" (12, 16, and 19 mm) monolithic tempered and 9/16", 11/16", or 27/32" (13.52, 17.52, or 21.52 mm) laminated tempered glass.



FOR 1-1/2" (38 MM) DIAMETER GRRF15 SERIES CAP RAILING

CAT. NO.	USE WITH
GRRF1515PV	1/2" (12 mm) Monolithic and 9/16" (13.52 mm) Laminated Glass
GRRF1519PV	3/4" (19 mm) Monolithic and 11/16" (17.52 mm) Laminated Glass

Minimum order: 1 roll.

ROLL LENGTH
20' (6.1 m)
20' (6.1 m)

FOR 1-7/8" (48 MM) DIAMETER GRRF20 SERIES CAP RAILING

CAT. NO.	USE WITH
GRRF2013PV	1/2" (12 mm) Monolithic and 9/16" (13.52 mm) Laminated Glass
GRRF2017PV	5/8" (16 mm) Monolithic and 11/16" (17.52 mm) Laminated Glass
GRRF2019PV	3/4" (19 mm) Monolithic Glass
GRRF2021PV	27/32" (21.52 mm) Laminated Glass

Minimum order: 1 roll.

ROLL LENGTH
20' (6.1 m)
20' (6.1 m)
20' (6.1 m)
20' (6.1 m)

CRL GRS Cap Railing Systems

CRL Roll Formed Square Cap Rails for Monolithic Tempered and Laminated Tempered Glass

- For 1/2" to 27/32" (12 to 21.52 mm) Glass
- 316 Grade Stainless Steel
- 19'-8" (6 m) Stock Lengths Available in Two Architectural Finishes
- Designed for Interior or Exterior Applications
- Connects to Fabricated Corners and End Caps
- Cut to Size, Custom Fabricated Lengths, and Custom Finishes Available on Special Order

CRL Roll Formed Square 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. Cap Rails support a wide range of glass thicknesses by using different Cap Rail Protective Rubber Inserts (see page 65).

All CRL Roll Formed Square Cap Rails are made using precision tooling to maintain uniform squareness, allowing for smooth hairline transitions at splices, corners, and end caps. Use only our specified Roll Formed Square Cap Railing Connector Sleeves, along with Cat. No. 7649 Primer, and Cat. No. 32629 Metal Contact Cement (see page 96) to achieve a secure and permanent bond at all connections.

NOTE: CRL Roll Formed Cap Rails, End Caps, Corners, Connecting Sleeves and Rubber Inserts are style specific and cannot be used with any other CRL Cap Railing System.

1-1/2" (38 MM) SQUARE ROLL FORMED CAP RAIL IN 19'-8" (6 M) LENGTHS FOR 1/2" (12 MM) AND 5/8" (16 MM) TEMPERED MONOLITHIC GLASS AND 9/16" (13.52 MM) LAMINATED TEMPERED GLASS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
SRF15BS	316	Brushed Stainless	.050" (1.3 mm)	SRF15CSS
SRF15PS	316	Polished Stainless	.050" (1.3 mm)	SRF15CSS

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

2" (51 MM) SQUARE ROLL FORMED CAP RAIL IN 19'-8" (6 M) LENGTHS FOR 1/2" (12 MM) AND 5/8" (16 MM) TEMPERED MONOLITHIC GLASS AND 9/16" (13.52 MM), 11/16" (17.52 MM), 27/32" (21.52 MM) LAMINATED TEMPERED GLASS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
SRF20BS	316	Brushed Stainless	.050" (1.3 mm)	SRF20CSS
SRF20PS	316	Polished Stainless	.050" (1.3 mm)	SRF20CSS

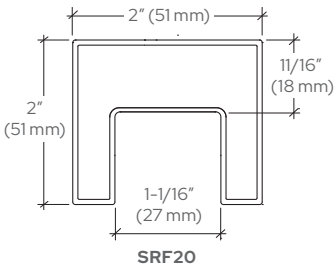
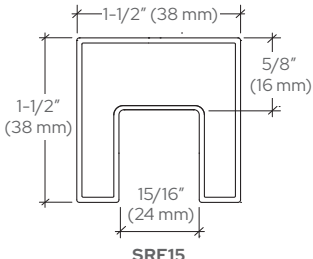
Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing. Must ship common carrier.

SRF15 Series
1-1/2" (38 mm) Square
Cap Rail for 1/2", 9/16",
and 5/8" (12, 13.52,
and 16 mm) Glass

SRF20 Series
2" (51 mm) Square
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

Linear Hairline Finish

*This dimension is used to calculate the glass size. Add the clearance for Protective Rubber Insert (see page 65) or visit crlaurence.com for glass deduction templates.



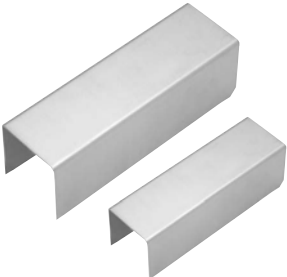
CRL Roll Formed Square Cap Rail Accessories

Corners



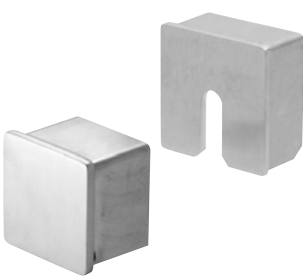
See Page 64

Connector Sleeves



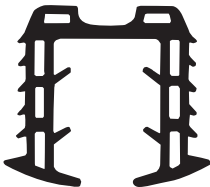
See Pages 64

End Caps



See Page 65

Rubber Inserts



See Page 65

CRL GRS Cap Railing Systems

CRL 90 Degree Horizontal Roll Formed Square Cap Rail Corners

- Designed for Interior or Exterior Applications
- 316 Grade Stainless Steel
- Welded, Finished, and Ready to Install
- Two Sizes and Architectural Finishes
- Requires Two Connector Sleeves (Not Included)
- For 1/2" to 27/32" (12 to 21.52 mm) Glass

CRL Square Roll Formed Cap Rail Interior slip-fit Horizontal Corners allow for hairline joint assemblies with straight lengths of CRL Roll Formed Cap Rails only. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96). Two Roll Form Connector Sleeves are required for use with each corner. Not compatible with any other CRL GRS Cap Rail System.

FOR 1-1/2" (38 MM) SQUARE SRF15 SERIES CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
SRF15HBS	316	Brushed Stainless	L=4-1/8" (104 mm)
SRF15HPS	316	Polished Stainless	C=3-3/16" (82 mm)

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

CRL 135 Degree Horizontal Roll Formed Square Cap Rail Corners

- 316 Grade Stainless Steel
- Welded, Finished, and Ready to Install
- Two Sizes and Architectural Finishes
- Requires Two Connector Sleeves (Not Included)
- For 1/2" to 27/32" (12 to 21.52 mm) Glass

CRL Square Roll Formed Cap Rail Interior slip-fit Horizontal Corners allow for hairline joint assemblies with straight lengths of CRL Roll Formed Cap Rails only. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement is required to achieve a secure and permanent bond (see page 96). Two Roll Form Connector Sleeves are required for use with each corner (see below). Not compatible with any other CRL GRS Cap Rail System.

FOR 1-1/2" (38 MM) SQUARE SRF15 SERIES CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
SRF15H3BS	316	Brushed Stainless	L=2-11/16" (69 mm)
SRF15H3PS	316	Polished Stainless	C=2-7/16" (62 mm)

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

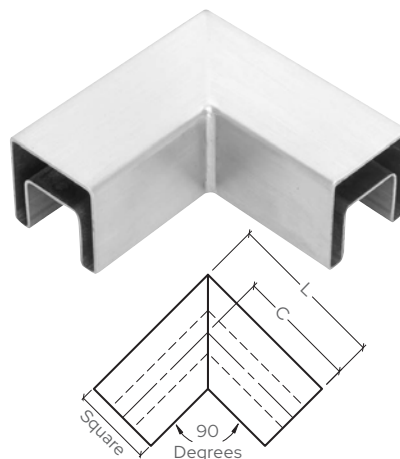
CRL Connector Sleeves for Roll Formed Square Cap Railings, Cap Rail Corners, and Hand Railings

- Formed, Shaped to Fit, and Ready to Install
- Provides Proper Alignment at Splices

CRL Square Connector Sleeves are used to connect and provide proper alignment between railing splices and railing-to-corner splices. Connector Sleeves are 5" (127 mm) long, and must be compressed to fit inside the Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond.

CAT. NO.	GRADE	FOR USE WITH
SRF15CSS	316	SRF15 Series Cap Rails and Corners
SRF20CSS	316	SRF20 Series Cap Rails and Corners

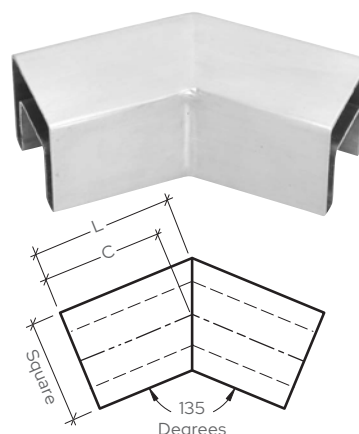
Minimum order: 1 each. All Connector Sleeves can be combined for quantity pricing.



FOR 2" (51 MM) SQUARE SRF20 SERIES CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
SRF20HBS	316	Brushed Stainless	L=4-3/16" (107 mm)
SRF20HPS	316	Polished Stainless	C=3-3/16" (82 mm)

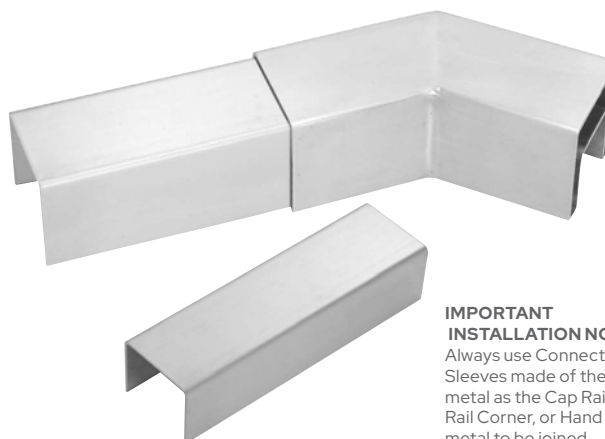
Minimum order: 1 each. All Railing Corners can be combined for quantity pricing.



FOR 2" (51 MM) SQUARE SRF20 SERIES CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
SRF20H3BS	316	Brushed Stainless	L=2-7/8" (72 mm)
SRF20H3PS	316	Polished Stainless	C=2-7/16" (62 mm)

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



IMPORTANT INSTALLATION NOTE:
Always use Connector Sleeves made of the same metal as the Cap Rail, Cap Rail Corner, or Hand Rail metal to be joined.

CRL GRS Cap Railing Systems

CRL End Caps for Roll Formed Square Cap Rails

- Formed and Shaped to Fit Roll Formed Square Cap Rails
- 316 Grade Stainless Steel
- Two Architectural Finishes

CRL Square End Caps easily slip into the Roll Formed Square Cap Rails. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Standard stainless is 316 grade. Fits CRL Roll Formed Square Cap Rails only.



FOR 1-1/2" (38 MM) SRF15 SERIES SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH
SRF15ECBS	316	Brushed Stainless
SRF15ECPS	316	Polished Stainless

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

FOR 2" (51 MM) SRF20 SERIES SQUARE CAP RAILING

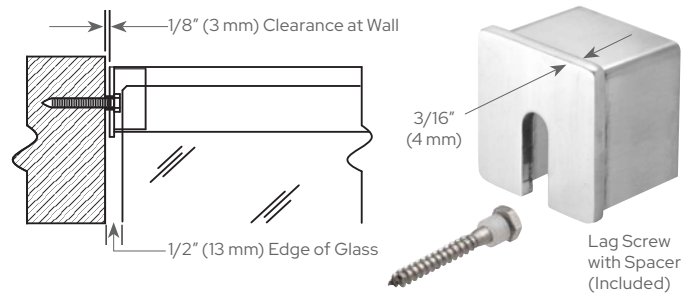
CAT. NO.	GRADE	FINISH
SRF20ECBS	316	Brushed Stainless
SRF20ECPS	316	Polished Stainless

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

CRL Stabilizing End Caps for Roll Formed Square Cap Rails

- Formed and Shaped to Fit Roll Formed Square Cap Rails
- Two Architectural Finishes

CRL Square Stabilizing End Caps easily slip into our Roll Formed Square Cap Rails. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement. Standard stainless is 316 grade. Includes: 1/4" (6 mm) x 2" (51 mm) Lag Screw with 1/4" (6 mm) nylon spacer. Fits CRL Roll Formed Square Cap Rails only.



FOR 1-1/2" (38 MM) SRF15 SERIES SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH
SRF15SECBS	316	Brushed Stainless
SRF15SECPS	316	Polished Stainless

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

FOR 2" (51 MM) SRF20 SERIES SQUARE CAP RAILING

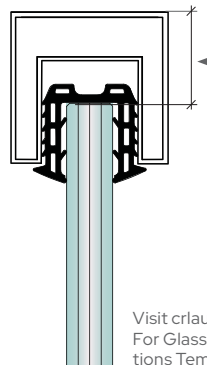
CAT. NO.	GRADE	FINISH
SRF20SECBS	316	Brushed Stainless
SRF20SECPS	316	Polished Stainless

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

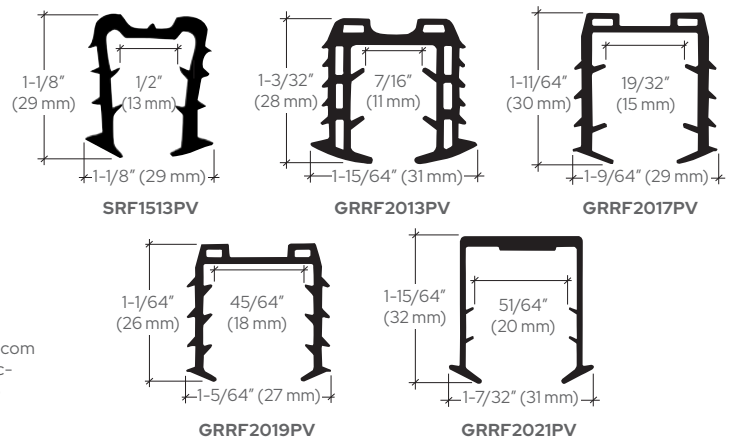
CRL Roll Formed Square Cap Rail Protective Rubber Inserts

- Provide a Secure Fit Between Glass and Cap Rail

CRL Square Cap Rail Protective Rubber Inserts are made of a flexible black rubber designed for our Roll Formed Square Cap Rails when using 1/2", 5/8", and 3/4" (12, 16, and 19 mm) monolithic tempered and 9/16", 11/16", or 27/32" (13.52, 17.52, or 21.52 mm) laminated tempered glass.



Visit crlaurence.com
For Glass Deductions
Templates



FOR 1-1/2" (38 MM) SRF15 SERIES SQUARE CAP RAILING

CAT. NO.
SRF1513PV

USE WITH
1/2", 5/8" (12 mm, 16 mm) Monolithic and 9/16" (13.52 mm) Laminated Glass

ROLL LENGTH
20' (6.1 m)

Minimum order: 1 roll.

FOR 2" (51 MM) SRF20 SERIES SQUARE CAP RAILING

CAT. NO.
GRRF2013PV
GRRF2017PV
GRRF2019PV
GRRF2021PV

USE WITH
1/2" (12 mm) Monolithic and 9/16" (13.52 mm) Laminated Glass
5/8" (16 mm) Monolithic and 11/16" (17.52 mm) Laminated Glass
3/4" (19 mm) Monolithic Glass
27/32" (21.52 mm) Laminated Glass

ROLL LENGTH
20' (6.1 m)
20' (6.1 m)
20' (6.1 m)
20' (6.1 m)

Minimum order: 1 roll.

CRL GRS Cap Railing Systems

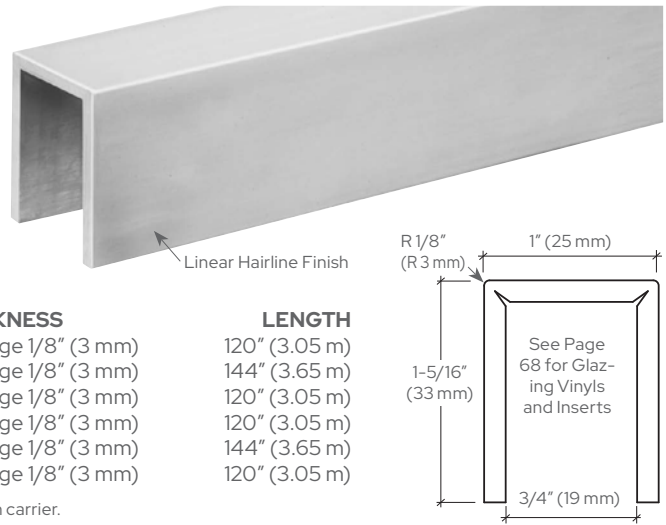
CRL Crisp Corner Low Profile 11 Gauge Cap Railing for 1/2", 9/16" or 5/8" (12, 13.52 or 16 mm) Glass

- Designed for Use as a Top Rail for Guard Rail Applications
- Secures Glass Panels Together
- Protects Glass Edge
- Connects to Fabricated Corners and End Caps

CRL Crisp Corner Low Profile Cap Rail is made from 11 gauge stainless steel, and is designed to protect the edge of the glass and secure glass panels together.

CAT. NO.	GRADE	FINISH	THICKNESS	LENGTH
GRLC10BS	304	Brushed Stainless	11 Gauge 1/8" (3 mm)	120" (3.05 m)
GRLC10BS12	304	Brushed Stainless	11 Gauge 1/8" (3 mm)	144" (3.65 m)
GRLC10BS6	316	Brushed Stainless	11 Gauge 1/8" (3 mm)	120" (3.05 m)
GRLC10PS	304	Polished Stainless	11 Gauge 1/8" (3 mm)	120" (3.05 m)
GRLC10PS12	304	Polished Stainless	11 Gauge 1/8" (3 mm)	144" (3.65 m)
GRLC10PS6	316	Polished Stainless	11 Gauge 1/8" (3 mm)	120" (3.05 m)

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



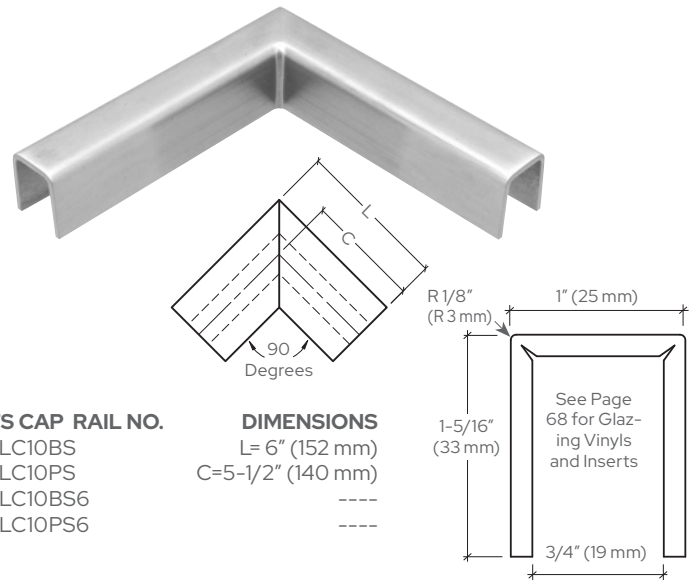
CRL Crisp Corner 90 Degree Horizontal Low Profile 11 Gauge Cap Railing Corners for 1/2", 9/16" or 5/8" (12, 13.52 or 16 mm) Glass

- Two Finishes Available
- Welded and Finished
- Ready to Install

Slip-fit 90 Degree Horizontal Corners for 1/2", 9/16" or 5/8" (12, 13.52 or 16 mm) thick glass allow for hairline joint assemblies with straight lengths of CRL 11 Gauge Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each Corner (see page 64).

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.	DIMENSIONS
GRLC10HBS	304	Brushed Stainless	GRLC10BS	L= 6" (152 mm)
GRLC10HPS	304	Polished Stainless	GRLC10PS	C=5-1/2" (140 mm)
GRLC10HBS6	316	Brushed Stainless	GRLC10BS6	---
GRLC10HPS6	316	Polished Stainless	GRLC10PS6	---

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



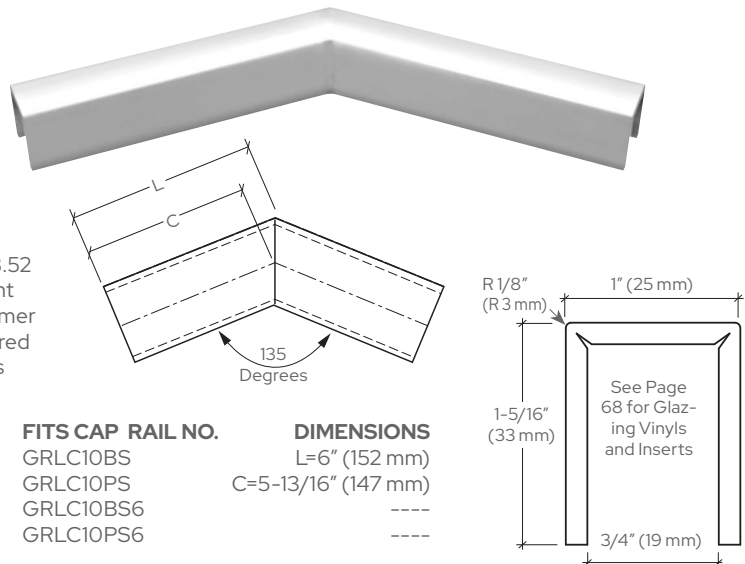
CRL Crisp Corner 135 Degree Horizontal Low Profile 11 Gauge Cap Railing Corners for 1/2", 9/16" or 5/8" (12, 13.52 or 16 mm) Glass

- Two Finishes Available
- Welded and Finished
- Ready to Install

Slip-fit 135 Degree Horizontal Corners for 1/2", 9/16" or 5/8" (12, 13.52 or 16 mm) thick glass allow for hairline joint assemblies with straight lengths of CRL 11 Gauge Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each Corner (see page 64).

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.	DIMENSIONS
GRLC10H3BS	304	Brushed Stainless	GRLC10BS	L=6" (152 mm)
GRLC10H3PS	304	Polished Stainless	GRLC10PS	C=5-13/16" (147 mm)
GRLC10H3BS6	316	Brushed Stainless	GRLC10BS6	---
GRLC10H3PS6	316	Polished Stainless	GRLC10PS6	---

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



CRL GRS Cap Railing Systems

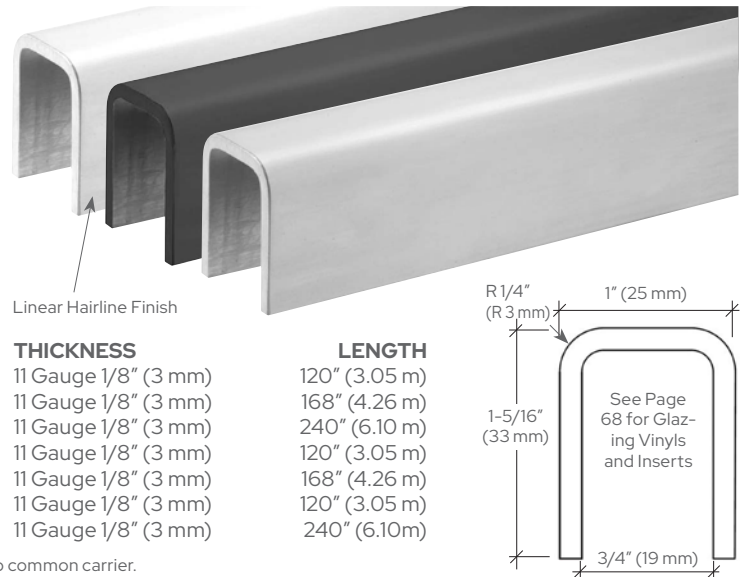
CRL Low Profile 11 Gauge Cap Railing for 1/2", 9/16" or 5/8" (12, 13.52 or 16 mm) Glass

- Designed for Use as a Top Rail for Guard Rail Applications
- Secures Glass Panels Together
- Protects Glass Edge
- Connects to Fabricated Corners and End Caps

CRL Low Profile Cap Rail is made from 11 gauge stainless steel or aluminum, and is designed to protect the edge of the glass and secure glass panels together.

CAT. NO.	GRADE	FINISH	THICKNESS	LENGTH
GRL10BS	316	Brushed Stainless	11 Gauge 1/8" (3 mm)	120" (3.05 m)
GRL10BS14	316	Brushed Stainless	11 Gauge 1/8" (3 mm)	168" (4.26 m)
GRL10BS20	316	Brushed Stainless	11 Gauge 1/8" (3 mm)	240" (6.10 m)
GRL10PS	316	Polished Stainless	11 Gauge 1/8" (3 mm)	120" (3.05 m)
GRL10PS14	316	Polished Stainless	11 Gauge 1/8" (3 mm)	168" (4.26 m)
GRL10MBL	6063-T5	Matte Black Aluminum	11 Gauge 1/8" (3 mm)	120" (3.05 m)
GRL10MBL20	6063-T5	Matte Black Aluminum	11 Gauge 1/8" (3 mm)	240" (6.10 m)

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



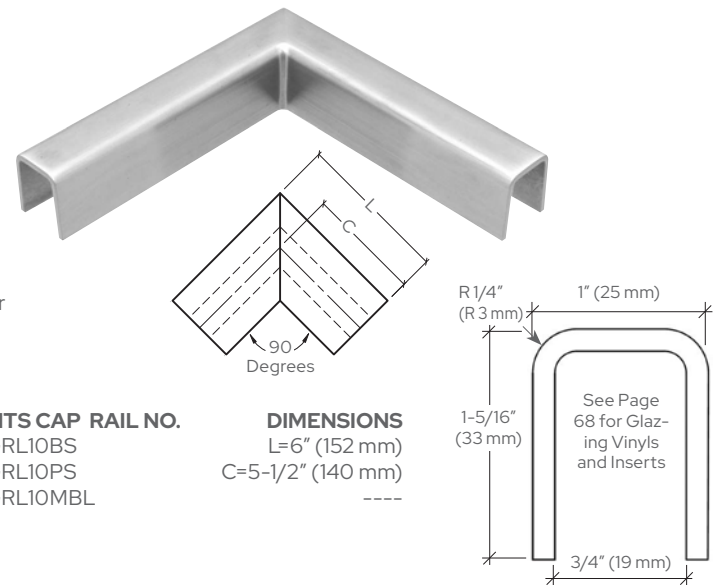
CRL 90 Degree Horizontal Low Profile 11 Gauge Cap Railing Corners for 1/2", 9/16" or 5/8" (12, 13.52 or 16 mm) Glass

- Three Finishes Available
- Welded and Finished
- Ready to Install

Slip-fit 90 Degree Horizontal Corners for 1/2", 9/16" or 5/8" (12, 13.52 or 16 mm) thick glass allow for hairline joint assemblies with straight lengths of CRL 11 Gauge Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each Corner (see page 64).

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.	DIMENSIONS
GRL10HBS	316	Brushed Stainless	GRL10BS	L=6" (152 mm)
GRL10HPS	316	Polished Stainless	GRL10PS	C=5-1/2" (140 mm)
GRL10HMBL	316	Matte Black Aluminum	GRL10MBL	----

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



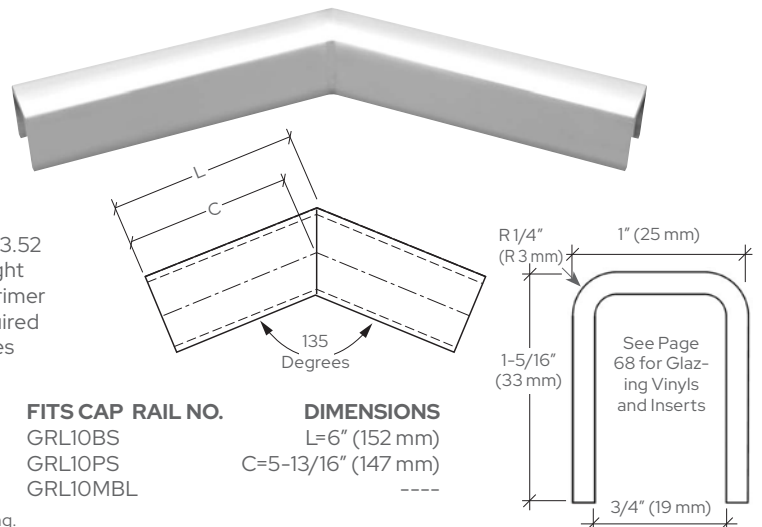
CRL 135 Degree Horizontal Low Profile 11 Gauge Cap Railing Corners for 1/2", 9/16" or 5/8" (12, 13.52 or 16 mm) Glass

- Three Finishes Available
- Welded and Finished
- Ready to Install

Slip-fit 135 Degree Horizontal Corners for 1/2", 9/16" or 5/8" (12, 13.52 or 16 mm) thick glass allow for hairline joint assemblies with straight lengths of CRL 11 Gauge Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 98) is required to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each Corner (see page 64).

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.	DIMENSIONS
GRL10H3BS	316	Brushed Stainless	GRL10BS	L=6" (152 mm)
GRL10H3PS	316	Polished Stainless	GRL10PS	C=5-13/16" (147 mm)
GRL10H3MBL	316	Matte Black Aluminum	GRL10MBL	----

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



CRL GRS Cap Railing Systems

CRL End Caps for Low Profile 11 Gauge Cap Railing

- Formed and Shaped to Fit Both of Our 11 Gauge Cap Railings
- Available in Brushed and Polished Stainless Steel and Matte Black Aluminum
- 316 Grade Stainless and Aluminum

This CRL End Cap easily slips into our Low Profile 11 Gauge Cap Railing. Use our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) to achieve a secure and permanent bond. 316 grade stainless steel.



Low Profile



Crisp Corner



CAT. NO.	CAP RAIL TYPE	GRADE	FINISH	FITS CAP RAIL NO.
GRL10ECBS	Low Profile	316	Brushed Stainless	GRL10BS
GRL10ECPs	Low Profile	316	Polished Stainless	GRL10PS
GRLC10ECBS	Crisp Corner	316	Brushed Stainless	GRLC10BS
GRLC10ECPs	Crisp Corner	316	Polished Stainless	GRLC10PS
GRL10ECMBL	Low Profile	6063-T5	Matte Black Aluminum	GRL10MBL

Minimum order: 1 each. All End Caps can be combined for quantity pricing. Must ship common carrier.

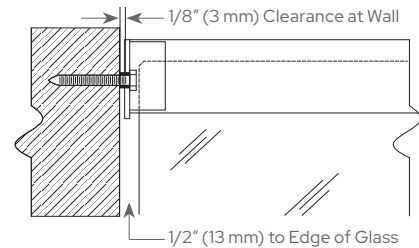
CRL Stabilizing End Caps for Low Profile 11 Gauge Cap Railing

- Formed and Shaped to Fit Our 11 Gauge Cap Railings
- Available in Brushed, Polished Stainless Finishes, and Matte Black
- 316 Grade Stainless and Aluminum

CRL Stabilizing End Caps easily slip into our Low Profile 11 Gauge Cap Railing. Use our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) to achieve a secure and permanent bond. Stainless alloy is 316. Includes: 1/4" x 2" (6 x 51 mm) Lag Screw with 1/4" (6 mm) Nylon Spacer.

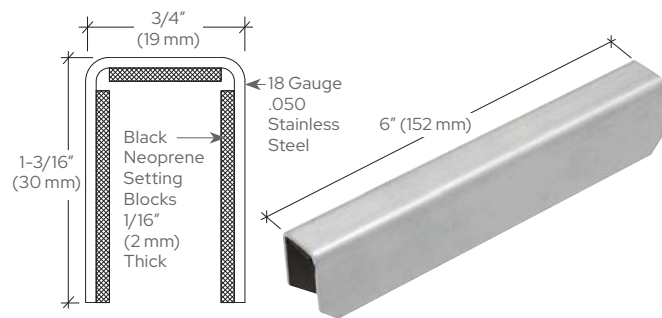


CAT. NO. SECBI
Lag Screw with
Spacer (Included)



CAT. NO.	CAP RAIL TYPE	GRADE	FINISH	FITS CAP RAIL NO.
GRL10SECBS	Low Profile	316	Brushed Stainless	GRL10BS
GRL10SECPs	Low Profile	316	Polished Stainless	GRL10PS
GRLC10SECBS	Crisp Corner	316	Brushed Stainless	GRLC10BS
GRLC10SECPs	Crisp Corner	316	Polished Stainless	GRLC10PS
GRL10SECMBl	Low Profile	6063-T6	Matte Black Aluminum	GRL10MBL

Minimum order: 1 each. All End Caps can be combined for quantity pricing. Must ship common carrier.



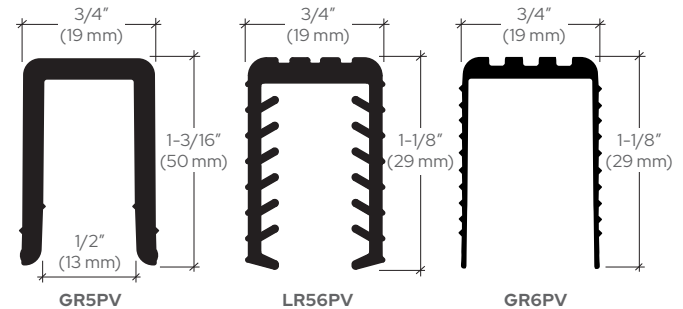
CRL Connector Sleeves for Low Profile 11 Gauge and Crisp Corner Cap Railing

- Provide Proper Alignment Between Railing Splices

These CRL Connector Sleeves are used to connect and provide proper alignment between Cap Rail splices and corner splices. Connector Sleeves easily slip into the Cap Railing without compression. Use our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) to bond the splice joint.

CAT. NO.	MATERIAL	FOR USE WITH
GRL10CSS	Stainless Steel	GRL10BS/PS & GRLC10BS/PS Cap Rails and all GRL10HBS/PS & GRLC10HBS/PS Cap Rail Corners
GRL10CSM	Mill Aluminum	GRL10MBL Cap Rail & GRL10HMBL Cap Rail Corners

Minimum order: 1 each.



CRL Cap Rail Vinyl and Rubber Inserts

- Provides Protective Barrier Between Metal Cap and Glass
- For 1/2", 9/16", and 5/8" (12, 13.52, and 16 mm) Glass

CRL Cap Rail Vinyl and Rubber Inserts for 1/2", 9/16", and 5/8" (12, 13.52, and 16 mm) glass are used with our Low Profile and Crisp Corner 11 Gauge Cap Rails to securely attach the glass to metal. All are flat black in color, and are designed to center the glass and protect the edge of the glass when inserted into the metal cap rail.

CAT. NO.	USE WITH	SOLD IN
GR5PV	1/2" (12 mm) Glass	120" (3.05 m) Lengths
LR56PV	9/16" (13.52 mm) Glass	100' (30.5 m) Rolls*
GR6PV	5/8" (16 mm) Glass	100' (30.5 m) Rolls*

Minimum order: 1 stock length. 120" (3.05 m) lengths must ship common carrier.

A Packing Charge will be added to orders of fewer than five lengths.

*Minimum order: 1 roll (100 ft).

CRL GRS Cap Railing Systems

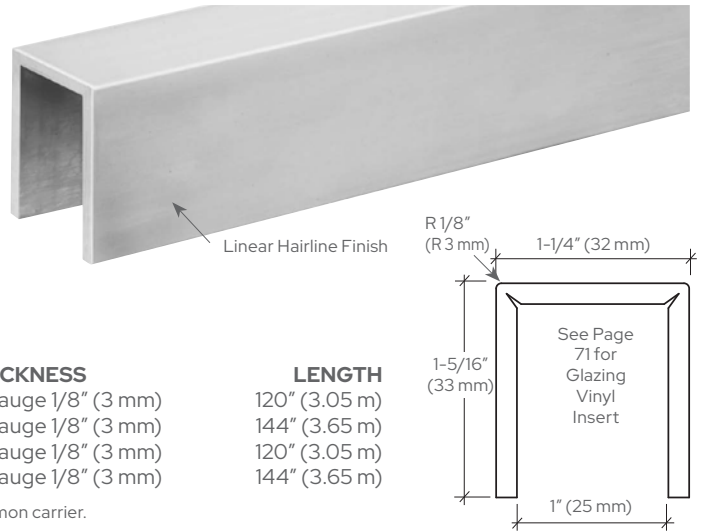
CRL Crisp Corner Low Profile 11 Gauge Cap Railing for 3/4" (19 mm) Monolithic Glass

- Designed for Use as a Top Rail for Guard Rail Applications
- Secures Glass Panels Together
- 304 Grade Stainless
- Connects to Fabricated Corners and End Caps

CRL Crisp Corner Low Profile Cap Rail is made from 11 gauge stainless steel, and is designed to protect the edge of the glass and secure glass panels together

CAT. NO.	GRADE	FINISH	THICKNESS	LENGTH
GRLC107BS	304	Brushed Stainless	11 Gauge 1/8" (3 mm)	120" (3.05 m)
GRLC107BS12	304	Brushed Stainless	11 Gauge 1/8" (3 mm)	144" (3.65 m)
GRLC107PS	304	Polished Stainless	11 Gauge 1/8" (3 mm)	120" (3.05 m)
GRLC107PS12	304	Polished Stainless	11 Gauge 1/8" (3 mm)	144" (3.65 m)

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



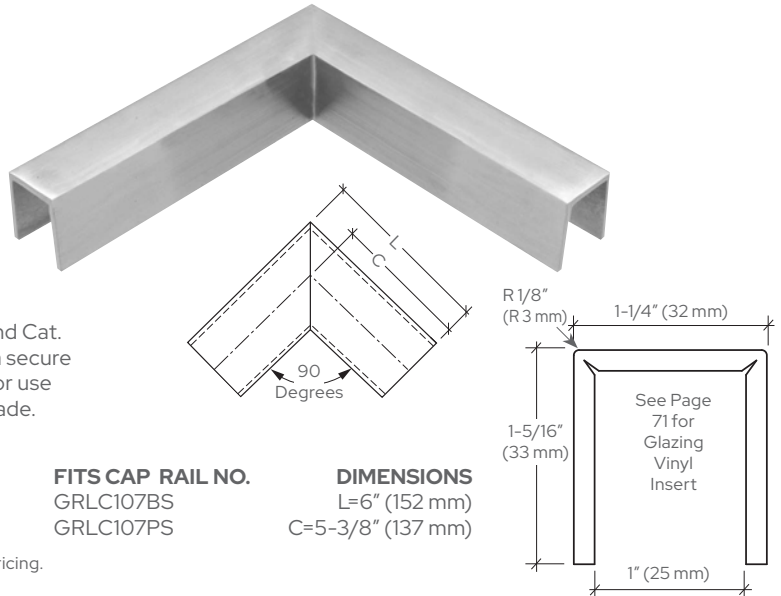
CRL Crisp Corner 90 Degree Horizontal Low Profile 11 Gauge Cap Railing Corners for 3/4" (19 mm) Monolithic Glass

- Two Finishes Available
- Welded and Finished
- 304 Grade Stainless
- Ready to Install

Slip-fit 90 Degree Horizontal Corners for 3/4" (19 mm) thick glass allow for hairline joint assemblies with straight lengths of CRL 11 Gauge Cap Railing. Use our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each Corner (see page 64). Standard stainless is 304 grade. Stainless 316 grade is available on special order.

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.	DIMENSIONS
GRLC107HBS	304	Brushed Stainless	GRLC107BS	L=6" (152 mm)
GRLC107HPS	304	Polished Stainless	GRLC107PS	C=5-3/8" (137 mm)

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



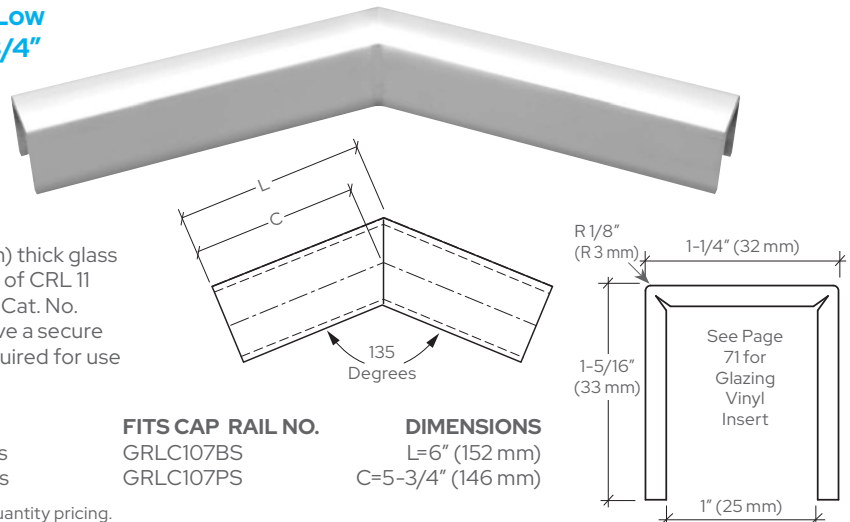
CRL Crisp Corner 135 Degree Horizontal Low Profile 11 Gauge Cap Railing Corners for 3/4" (19 mm) Monolithic Glass

- Two Finishes Available
- Welded and Finished
- 304 Grade Stainless
- Ready to Install

Slip-fit 135 Degree Horizontal Corners for 3/4" (19 mm) thick glass allow for hairline joint assemblies with straight lengths of CRL 11 Gauge Cap Railing. Use our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each Corner (see page 64).

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.	DIMENSIONS
GRLC107H3BS	304	Brushed Stainless	GRLC107BS	L=6" (152 mm)
GRLC107H3PS	304	Polished Stainless	GRLC107PS	C=5-3/4" (146 mm)

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



CRL GRS Cap Railing Systems

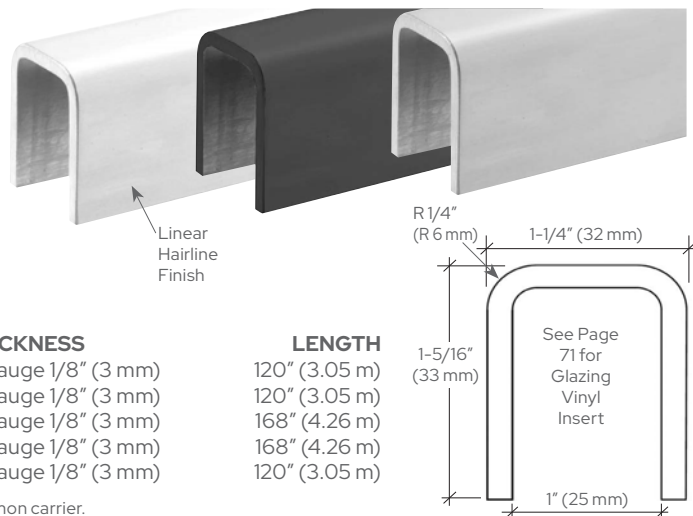
CRL Low Profile 11 Gauge Cap Railing for 3/4" (19 mm) Monolithic Glass

- Designed for Use as a Top Rail for Guard Rail Applications
- Secures Glass Panels Together
- 304 Grade Stainless and 6063 T-5 Aluminum
- Connects to Fabricated Corners and End Caps

CRL Low Profile Cap Rail is made from 11 gauge stainless steel, and is designed to protect the edge of the glass and secure glass panels together

CAT. NO.	GRADE	FINISH	THICKNESS	LENGTH
GRL107BS	304	Brushed Stainless	11 Gauge 1/8" (3 mm)	120" (3.05 m)
GRL107PS	304	Polished Stainless	11 Gauge 1/8" (3 mm)	120" (3.05 m)
GRL107BS14	304	Brushed Stainless	11 Gauge 1/8" (3 mm)	168" (4.26 m)
GRL107PS14	304	Polished Stainless	11 Gauge 1/8" (3 mm)	168" (4.26 m)
GRL107MBL	6063-T5	Matte Black Aluminum	11 Gauge 1/8" (3 mm)	120" (3.05 m)

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



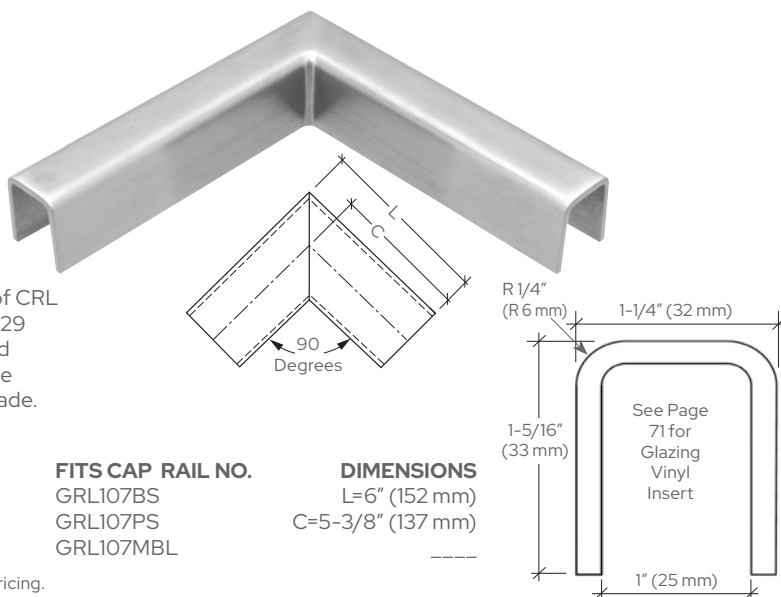
CRL 90 Degree Horizontal Low Profile 11 Gauge Cap Railing Corners for 3/4" (19 mm) Monolithic Glass

- Three Finishes Available
- Welded and Finished
- 304 Grade Stainless and 6063 T-5 Aluminum
- Ready to Install

Slip-fit 90 Degree Horizontal Corners for 3/4" (19 mm) thick glass allow for hairline joint assemblies with straight lengths of CRL 11 Gauge Cap Railing. Use our Cat. No. 7649 and Cat. No. 32629 Metal Contact Cement (see page 96) to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each Corner (see page 66). Standard stainless is 304 grade. Stainless 316 grade is available on special order.

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.	DIMENSIONS
GRL107HBS	304	Brushed Stainless	GRL107BS	L=6" (152 mm)
GRL107HPS	304	Polished Stainless	GRL107PS	C=5-3/8" (137 mm)
GRL107HMBL	304	Matte Black Aluminum	GRL107MBL	

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



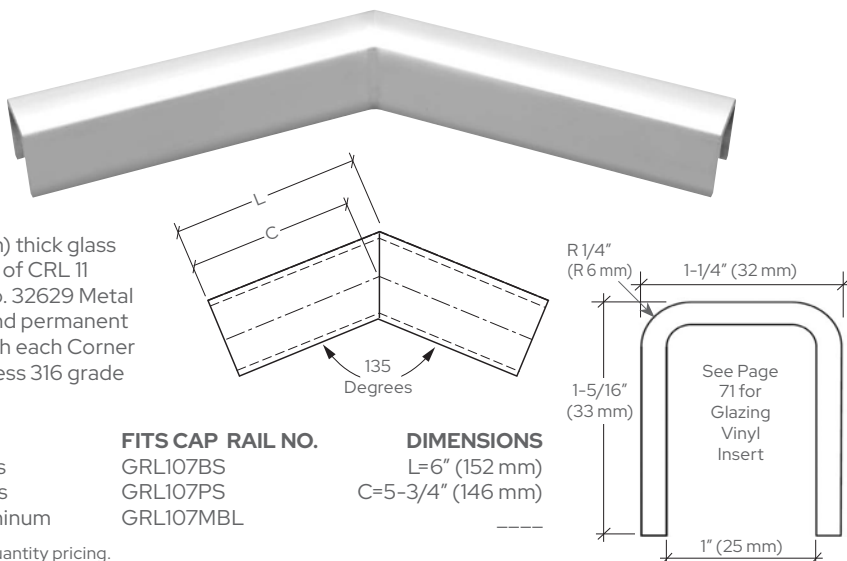
CRL 135 Degree Horizontal Low Profile 11 Gauge Cap Railing Corners for 3/4" (19 mm) Monolithic Glass

- Three Finishes Available
- Welded and Finished
- 304 Grade Stainless and 6063 T-5 Aluminum
- Ready to Install

Slip-fit 135 Degree Horizontal Corners for 3/4" (19 mm) thick glass allow for hairline joint assemblies with straight lengths of CRL 11 Gauge Cap Railing. Use our Cat. No. 7649 and Cat. No. 32629 Metal Contact Cement (see page 96) to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each Corner (see page 66). Standard stainless is 304 grade. Stainless 316 grade is available on special order.

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.	DIMENSIONS
GRL107H3BS	304	Brushed Stainless	GRL107BS	L=6" (152 mm)
GRL107H3PS	304	Polished Stainless	GRL107PS	C=5-3/4" (146 mm)
GRL107H3MBL	304	Matte Black Aluminum	GRL107MBL	

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



CRL GRS Cap Railing Systems

CRL Low Profile 11 Gauge Cap Railing End Caps for 3/4" (19 mm) Glass

- Formed and Shaped
- Available in Brushed, Polished Stainless Finishes and Matte Black
- 304 Grade Stainless and Aluminum

This CRL End Cap easily slips into our Low Profile 11 Gauge Cap Railing for 3/4" (19 mm) glazing. Use our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) to achieve a secure and permanent bond. Stainless is 304 grade.



Low Profile



Crisp Corner



CAT. NO.	CAP RAIL TYPE	GRADE	FINISH	FITS CAP RAIL NO.
GRL107ECBS	Low Profile	304	Brushed Stainless	GRL107BS
GRL107ECPS	Low Profile	304	Polished Stainless	GRL107PS
GRL107ECMBL	Low Profile	304	Matte Black Aluminum	GRL107MBL
GRLC107ECBS	Crisp Corner	304	Brushed Stainless	GRLC107BS
GRLC107ECPS	Crisp Corner	304	Polished Stainless	GRLC107PS

Minimum order: 1 each. All End Caps can be combined for quantity pricing. Must ship common carrier.

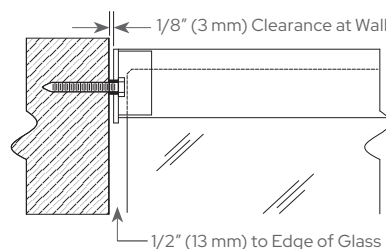
CRL Low Profile 11 Gauge Cap Railing Stabilizing End Caps for 3/4" (19 mm) Glass

- Formed and Shaped
- Available in Brushed, Polished Stainless Finishes, and Matte Black

CRL Stabilizing End Caps easily slip into our Low Profile 11 Gauge Cap Railing. Use our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) to achieve a secure and permanent bond. Stainless alloy is 304. Includes: 1/4" x 2" (6 x 51 mm) Lag Screw with 1/4" (6 mm) Nylon Spacer.

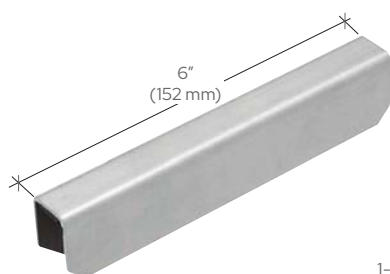


CAT. NO. SECB1
Lag Screw with
Spacer (Included)



CAT. NO.	CAP RAIL TYPE	GRADE	FINISH	FITS CAP RAIL NO.
GRL107SECBS	Low Profile	304	Brushed Stainless	GRL107BS
GRL107SECPs	Low Profile	304	Polished Stainless	GRL107PS
GRL107SECMBL	Low Profile	6063-T5	Matte Black Aluminum	GRL107MBL
GRLC107SECBS	Crisp Corner	304	Brushed Stainless	GRLC107BS
GRLC107SECPs	Crisp Corner	304	Polished Stainless	GRLC107PS

Minimum order: 1 each. All End Caps can be combined for quantity pricing. Must ship common carrier.



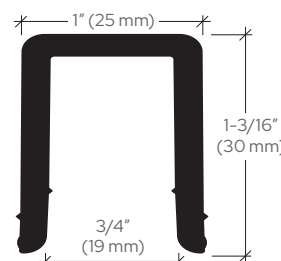
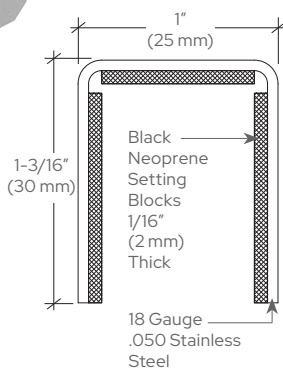
CRL Low Profile 11 Gauge and Crisp Corner Cap Railing Connector Sleeves for 3/4" (19 mm) Glass

- Provide Proper Alignment Between Railing Splices

These CRL Connector Sleeves are used to connect and provide proper alignment between Cap Rail splices and corner splices. Connector Sleeves easily slip into the Cap Railing with-out compression. Use our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96).

CAT. NO.	MATERIAL	FOR USE WITH
GRL107CSS	Stainless Steel	GRL107BS/GRL107PS GRLC107BS/ GRLC107PS Cap Rails and Cap Rail Corners
GRL107CSM	Mill Aluminum	GRL107MBL Cap Rails and Cap Rail Corners

Minimum order: 1 each.



CRL Cap Rail Rigid Vinyl Insert

- For Use With 3/4" (19 mm) Glass
- Rigid Black Vinyl Provides Protective Barrier Between Metal Cap and Glass
- Helps to Align Glass Panels During Installation

CRL Cap Rail Rigid Vinyl Inserts should be used with all CRL Cap Rails and U-Channel Caps to provide a protective barrier between metal and glass. The Rigid Vinyl Insert is useful in temporarily aligning the glass panels until the final installation of Cap Rail or U-Channel. Use 95CBL Silicone (see page 37) to secure the Rigid Vinyl inside the pocket of the Cap Rail and also to the glass.

CAT. NO.	LENGTH	USE WITH
GR7PV	120" (3.05 m)	3/4" (19 mm) Glass

Minimum order: 1 stock length. Sizes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than five combined lengths. Stock lengths longer than 108" (2.74 m) must ship common carrier, unless you specify we cut them for U.P.S. A Cutting Charge will apply.

CRL GRS Cap Railing Systems

CRL Low Profile 11 Gauge Cap Railing for 27/32" (21.52 mm) Laminated Glass

- Low Profile Cap Railing That Meets Guard Rail Load Requirements
- Designed for 27/32" (21.52 mm) Laminated Glass [10 x 1.52 x 10 mm Glass Make Up]
- Connects to Fabricated Corners and End Caps
- Custom Fabricated Lengths Available
- 316 Grade Stainless and 6063-T5 Aluminum

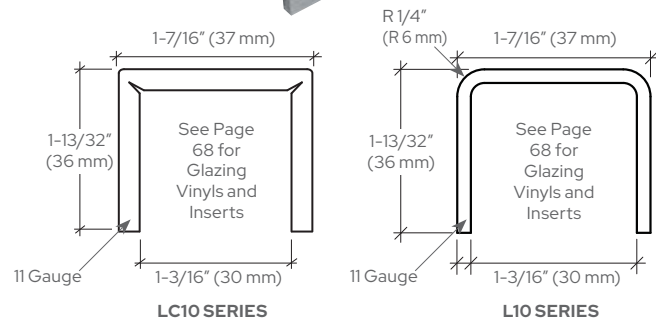
CRL Low Profile 11 Gauge Cap Railing is designed for guard rail applications and is offered in three architectural finishes. The low profile design allows for a virtually unobstructed view. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond at all connections.

CAT. NO.	GRADE	FINISH	USE SLEEVE NO.
L10BS	316	Brushed Stainless	L10CSS
L10PS	316	Polished Stainless	L10CSS
LC10BS	316	Brushed Stainless CC	L10CSS
LC10PS	316	Polished Stainless CC	L10CSS
L10MBL	6063	Matte Black Aluminum	L10CSM

Minimum order: 1 each. All Railing Corners can be combined for quantity pricing.
CC = Crisp Corner



Linear Hairline Finish



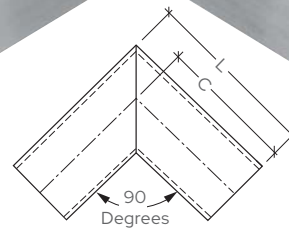
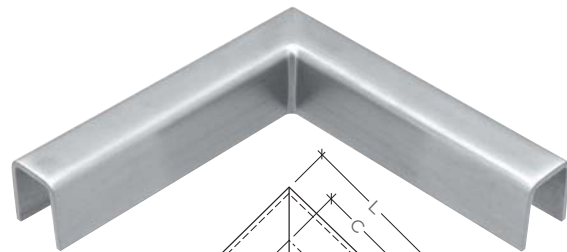
CRL 90 Degree Horizontal Low Profile 11 Gauge Cap Railing Corners for 27/32" (21.52 mm) Laminated Glass

- Welded and Finished
- Ready to Install

This CRL 90 Degree Horizontal Corner for 27/32" (21.52 mm) thick laminated glass allows for hairline joint assemblies with straight lengths of CRL Low Profile Cap Rail.

CAT. NO.	GRADE	FINISH	DIMENSIONS
L10HBS	316	Brushed Stainless	L=6" (152 mm)
L10HPS	316	Polished Stainless	C=5-1/4" (134 mm)
LC10HBS	316	Brushed Stainless CC	----
LC10HPS	316	Polished Stainless CC	----
L10HMBL	6063	Matte Black Aluminum	----

Minimum order: 1 each. All Railing Corners can be combined for quantity pricing.
CC = Crisp Corner



NOTE: When used with 27/32" (21.52 mm) laminated glass, our LR21PV Cap Railing Rubber Insert (see page 73) and 95CBL Silicone (see page 37) should be used to secure the glass. Always use proper Connector Sleeves (see page 64).

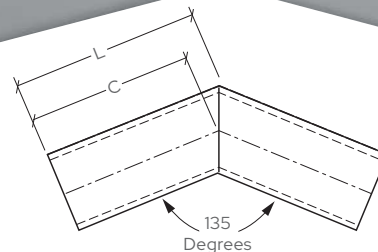
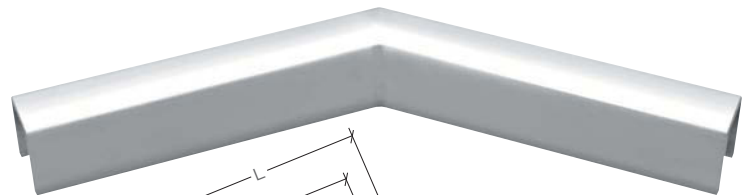
CRL 135 Degree Horizontal Low Profile 11 Gauge Cap Railing Corners for 27/32" (21.52 mm) Laminated Glass

- Welded and Finished
- Ready to Install

This CRL 135 Degree Horizontal Corner for 27/32" (21.52 mm) thick laminated glass allows for hairline joint assemblies with straight lengths of CRL Low Profile Cap Rail.

CAT. NO.	GRADE	FINISH	DIMENSIONS
L10H3BS	316	Brushed Stainless	L=6" (152 mm)
L10H3PS	316	Polished Stainless	C=5-11/16" (144 mm)
LC10H3BS	316	Brushed Stainless CC	----
LC10H3PS	316	Polished Stainless CC	----
L10H3MBL	6063	Matte Black Aluminum	----

Minimum order: 1 each. All Railing Corners can be combined for quantity pricing.
CC = Crisp Corner



NOTE: When used with 27/32" (21.52 mm) laminated glass, our LR21PV Cap Railing Rubber Insert (see page 73) and 95CBL Silicone (see page 37) should be used to secure the glass. Always use proper Connector Sleeves (see page 64).

CRL GRS Cap Railing Systems

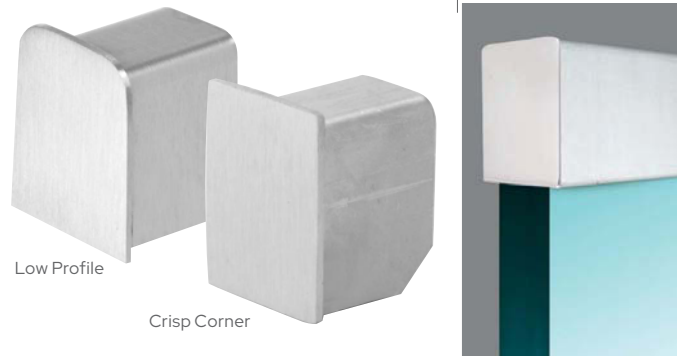
CRL Low Profile Cap Railing End Caps for Laminated Glass

- Formed and Shaped to Fit L10 and LC10 Series Cap Rails
- 316 Stainless Steel and Aluminum

This CRL End Cap easily slips into the U-Channel Cap Railing.

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
LR10ECBS	316	Brushed Stainless	L10BS
LR10ECPS	316	Polished Stainless	L10PS
LRC10ECBS	316	Brushed Stainless CC	LC10BS
LRC10ECPS	316	Polished Stainless CC	LC10PS
L10ECMBL	6063	Matte Black Aluminum	L10MBL

Minimum order: 1 each. All End Caps can be combined for quantity pricing.
CC = Crisp Corner



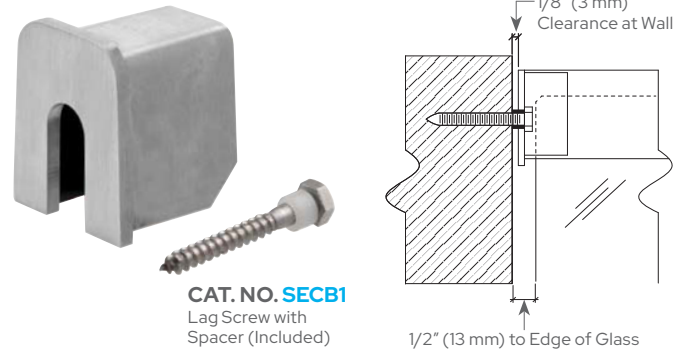
CRL Low Profile Cap Railing Stabilizing End Caps for Laminated Glass

- Formed and Shaped to Fit L10 and LC10 Series Cap Rails
- 316 Stainless Steel and Aluminum

CRL Stabilizing End Caps easily slip into our U-Channel Cap Railing.

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
LR10SECBS	316	Brushed Stainless	L10BS
LR10SECPS	316	Polished Stainless	L10PS
LRC10SECBS	316	Brushed Stainless CC	LC10BS
LRC10SECPS	316	Polished Stainless CC	LC10PS
L10SECMBL	6063	Matte Black Aluminum	L10MBL

Minimum order: 1 each. All End Caps can be combined for quantity pricing.
CC = Crisp Corner



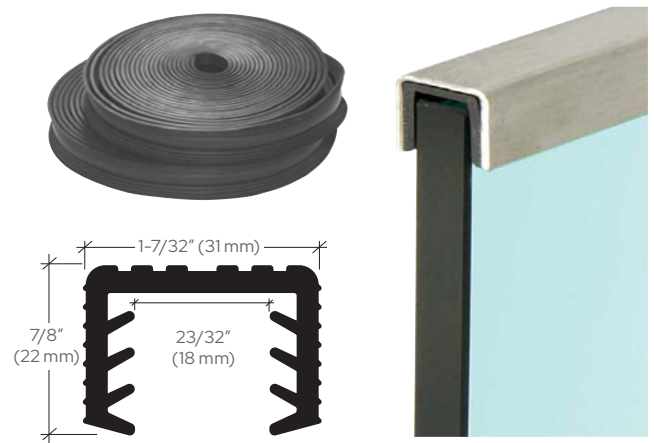
CRL Low Profile Cap Railing Rubber Insert

- For 27/32" (21.52 mm) Laminated Glass
- Flexible Black Rubber Provides Protective Barrier Between Metal Cap and Glass
- Helps Align Glass Panels During Installation

This CRL Rubber Insert is designed for use with our L10 and LC10 Series Low Profile Cap Railing. The flexible black rubber insert provides a barrier between metal and glass. CRL's Cap Railing Rubber is also useful in temporarily aligning the glass panels until the final installation. Use 95CBL Silicone (see page 37) to secure the Vinyl inside the pocket of the Cap Railing and also to the glass.

CAT. NO.	DESCRIPTION
LR21PV	Low Profile Cap Railing Rubber Insert, 100' (30.2 m) Roll

Minimum order: 1 roll.



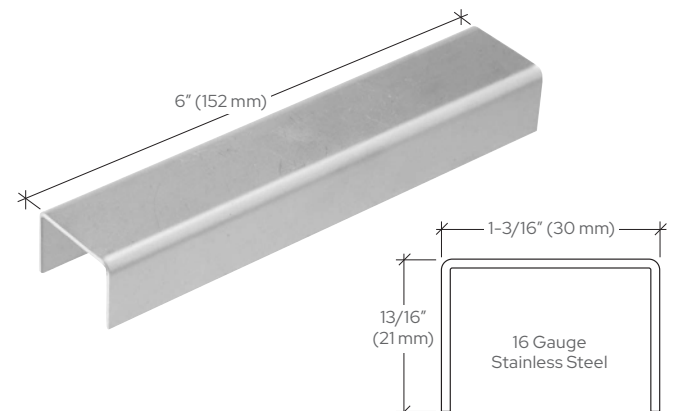
CRL Low Profile Cap Railing Connector Sleeves for 27/32" (21.52 mm) Laminated Glass

- Formed and Shaped to Fit L10 and LC10 Series Cap Rails
- Provides Proper Alignment Between Railing Splices

This CRL Connector Sleeve is used to connect and provide proper alignment between railing splices and railing-to-corner splices. Connector Sleeves are designed to easily fit inside the Low Profile Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) greatly improves the joint strength.

CAT. NO.	MATERIAL	DESCRIPTION
L10CSS	Stainless Steel	L10 and LC10 Cap Rails and Cap Rail Corners
L10CSM	Aluminum	L10MBL Cap Rails and Cap Rail Corners

Minimum order: 1 each.



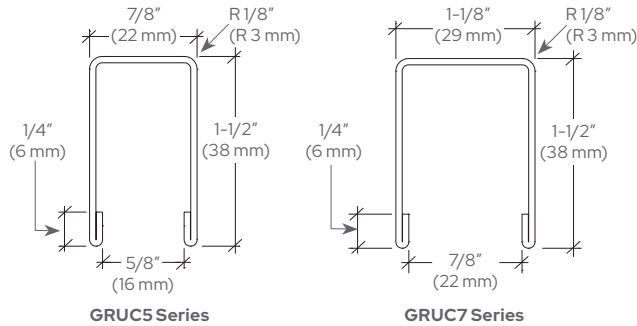
CRL GRS Cap Railing Systems

CRL U-Channel Cap Railing

- For 1/2", 9/16", 5/8", and 3/4" (12, 13.52, 16, and 19 mm) Glass
- 18 Gauge 304 Grade Stainless in 120" (3.05 m) Stock Lengths
- Protects Glass Edge

90 and 135 degree corners are also available.

For information, go to crlaurence.com



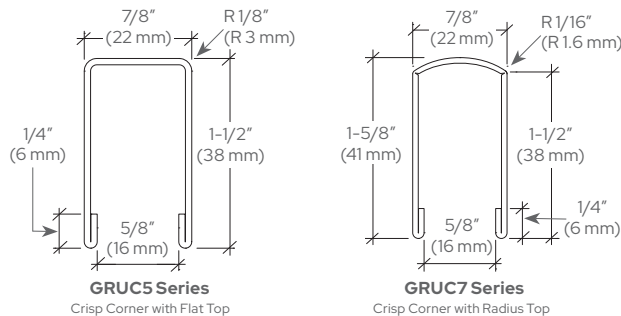
CAT. NO.	GRADE	FINISH	USE WITH
GRUC5BS10	304	Brushed Stainless	1/2", 9/16", 5/8" (12, 13.52, 16 mm) Glass
GRUC5PS10	304	Polished Stainless	1/2", 9/16", 5/8" (12, 13.52, 16 mm) Glass
GRUC7BS10	304	Brushed Stainless	3/4" (19 mm) Glass
GRUC7PS10	304	Polished Stainless	3/4" (19 mm) Glass

Minimum order: 1 each. Sizes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than five combined lengths. Must ship common carrier.

NOTE: These U-Channels are not designed to be used as a top rail for guard rail applications.

CRL Crisp Corner U-Channel Cap Railing

- For 1/2", 9/16", and 5/8" (12, 13.52, and 16 mm) Glass
- 18 Gauge 304 Grade Stainless in 120" (3.05 m) Stock Lengths



FLAT TOP	RADIUS TOP	GRADE	FINISH
CAT. NO.	CAT. NO.		
GRCF5BS	GRCR5BS	304	Brushed Stainless
GRCF5PS	GRCR5PS	304	Polished Stainless

Minimum order: 1 each. Sizes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than five combined lengths. Must ship common carrier.

NOTE: These U-Channels are not designed to be used as a top rail for guard rail applications.

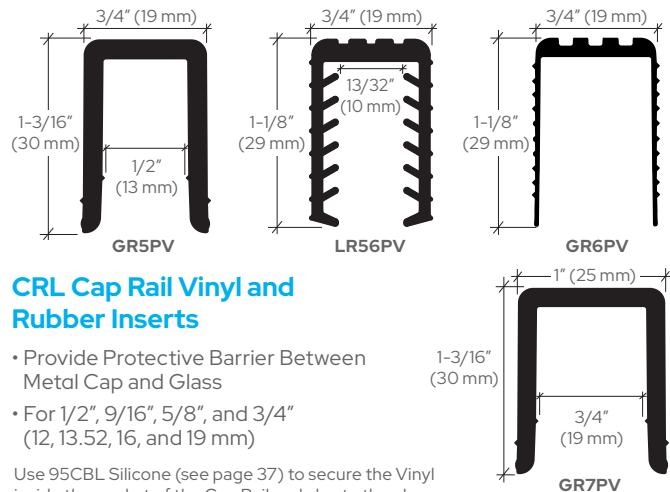


CRL End Caps for U-Channel Cap Railing

- Formed and Shaped to Fit Our 18 Gauge U-Channel Cap
- Finishes Off Exposed Ends
- 316 Grade Stainless

CAT. NO.	FINISH	USE WITH
GRUC5ECBS	Brushed Stainless	GRUC5BS10 U-Channel Cap
GRUC5ECPBS	Polished Stainless	GRUC5PS10 U-Channel Cap
GRUC7ECBS	Brushed Stainless	GRUC7BS10 U-Channel Cap
GRUC7ECPBS	Polished Stainless	GRUC7PS10 U-Channel Cap

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



CRL Cap Rail Vinyl and Rubber Inserts

- Provide Protective Barrier Between Metal Cap and Glass
- For 1/2", 9/16", 5/8", and 3/4" (12, 13.52, 16, and 19 mm)

Use 95CBL Silicone (see page 37) to secure the Vinyl inside the pocket of the Cap Rail and also to the glass.

CAT. NO.	USE WITH	SOLD BY
GR5PV	1/2" (12 mm) Glass	120" (3.05 m) Length
LR56PV	9/16" (13.52 mm) Glass	100' (30.5 m) Roll*
GR6PV	5/8" (16 mm) Glass	100' (30.5 m) Roll*
GR7PV	3/4" (19 mm) Glass	120" (3.05 m) Length

Minimum order: 1 each. *Minimum order: 1 roll (100 ft). Sizes can be combined for quantity pricing.

CRL GRS Cap Railing Systems

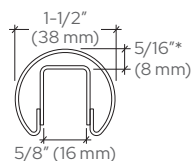
CRL Premium Cap Rails for 1/2", 9/16" or 5/8" (12, 13.52 or 16 mm) Glass

1-1/2" (38 MM) DIAMETER PREMIUM CAP RAIL
IN 120" (3.05 M) AND 168" (4.27 M) LENGTHS

CAT. NO.	CAT. NO. USE	GRADE
120" (3.05 M)	168" (4.27 M)	
GR15BS	GR15BS14	304
GR15BS6	GR15BS146	316
GR15PS	GR15PS14	304
GR15PS6	----	316
GR15PB	----	C260
GR15SB	----	C260

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

NOTE: GR15 Series Cap Rail will not accept Cap Rail Vinyl and must be secured using 95CBL silicone and shims.



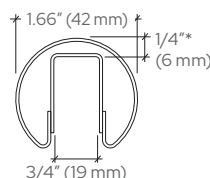
THICKNESS	SLEEVE NO.
.050" (1.3 mm)	GR15CSS
.050" (1.3 mm)	GR15CSS
.050" (1.3 mm)	GR15CSS
.050" (1.3 mm)	GR15CSS
.050" (1.3 mm)	GR15CSB
.050" (1.3 mm)	GR15CSB

1.66" (42 MM) DIAMETER PREMIUM CAP RAIL
IN 120" (3.05 M) AND 168" (4.27 M) LENGTHS.

CAT. NO.	CAT. NO. USE	GRADE
120" (3.05 M)	168" (4.27 M)	
GR16BS	GR16BS14	304
GR16BS6	----	316
GR16PS	GR16PS14	304
GR16PS6	----	316

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

NOTE: GR16 Series Cap Rail will not accept Cap Rail Vinyl and must be secured using 95CBL silicone and shims.

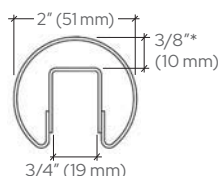


THICKNESS	SLEEVE NO.
.050" (1.3 mm)	GR16CSS
.050" (1.3 mm)	GR16CSS
.050" (1.3 mm)	GR16CSS
.050" (1.3 mm)	GR16CSS

2" (51 MM) DIAMETER PREMIUM CAP RAIL
IN 120" (3.05 M) AND 168" (4.27 M) LENGTHS

CAT. NO.	CAT. NO. USE	GRADE
120" (3.05 M)	168" (4.27 M)	
GR20BS	GR20BS14	304
GR20BS6	GR20BS146	316
GR20PS	GR20PS14	304
GR20PS6	----	316
GR20PB	----	C260
GR20SB	----	C260

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



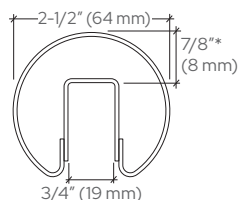
THICKNESS	SLEEVE NO.
.050" (1.3 mm)	GR20CSS
.050" (1.3 mm)	GR20CSS
.050" (1.3 mm)	GR20CSS
.050" (1.3 mm)	GR20CSS
.050" (1.3 mm)	GR20CSB
.050" (1.3 mm)	GR20CSB

2-1/2" (64 MM) DIAMETER PREMIUM CAP RAIL
IN 120" (3.05 M) AND 168" (4.27 M) LENGTHS

CAT. NO.	CAT. NO. USE	GRADE
120" (3.05 M)	168" (4.27 M)	
GR25BS	GR25BS14	304
GR25BS6	GR25BS146	316
GR25PS	GR25PS14	304
GR25PS6	GR25PS146	316
GR25PB	----	C260

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

*This dimension is used to calculate the glass size. Add the clearance you desire or allow an additional 1/8" (3 mm) if using Cap Rail Vinyl (see page 77).

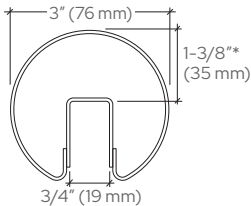


THICKNESS	SLEEVE NO.
.0625" (1.6 mm)	GR25CSS
.0625" (1.6 mm)	GR25CSS
.0625" (1.6 mm)	GR25CSS
.0625" (1.6 mm)	GR25CSS
.0625" (1.6 mm)	GR25CSB

CRL GRS Cap Railing Systems



CRL Premium Cap Rails for 1/2", 9/16" or 5/8" (12, 13.52 or 16 mm) Glass



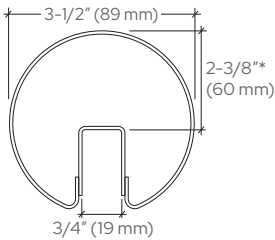
3" (76 MM) DIAMETER PREMIUM CAP RAIL
IN 120" (3.05 M) AND 168" (4.27 M) LENGTHS

CAT. NO.	CAT. NO. USE	GRADE	FINISH	THICKNESS	SLEEVE NO.
120" (3.05 M)	168" (4.27 M)				
GR30BS	GR30BS14	304	Brushed Stainless	.0625" (1.6 mm)	GR30CSS
GR30PS	----	304	Polished Stainless	.0625" (1.6 mm)	GR30CSS
GR30BS6	----	316	Brushed Stainless	.0625" (1.6 mm)	GR30CSS

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



See page 77 for
Glazing Vinyls and Inserts



3-1/2" (89 MM) DIAMETER PREMIUM CAP RAIL
IN 120" (3.05 M) AND 168" (4.27 M) LENGTHS

CAT. NO.	GRADE	FINISH	THICKNESS	SLEEVE NO.
120" (3.05 M)				
GR35BS	304	Brushed Stainless	.0625" (1.6 mm)	GR35CSS

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



See page 77 for
Glazing Vinyls and Inserts

CRL GRS Cap Railing Systems

CRL Premium Cap Railing 90 Degree Horizontal Corners for 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) Glass

- Welded, Finished, and Ready to Install
- Four Architectural Finishes

Interior slip-fit Horizontal Corners for 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) thick glass allow for hairline joint assemblies with straight lengths of Premium Cap Rail. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required. Two Connector Sleeves are required for use with each corner (see page 61). Each Horizontal Corner is fabricated, finished, and individually packed. All of our stainless and brass corners are fabricated from CRL Premium Cap Rail, and are welded and finished to match. Standard stainless is 304 grade. Stainless 316 grade is available on special order. For brass, C260 grade is standard.

FOR 1-1/2" (38 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR15HBS	304	Brushed Stainless	L=3-3/4" (95 mm)
GR15HPS	304	Polished Stainless	C=3" (76 mm)
GR15HPB	C260	Polished Brass	----
GR15HSB	C260	Satin Brass	----

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

FOR 1.66" (42 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR16HBS	304	Brushed Stainless	L=4" (102 mm)
GR16HPS	304	Polished Stainless	C=3-3/16" (81 mm)

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

FOR 2" (51 MM) DIAMETER PREMIUM CAP RAILING

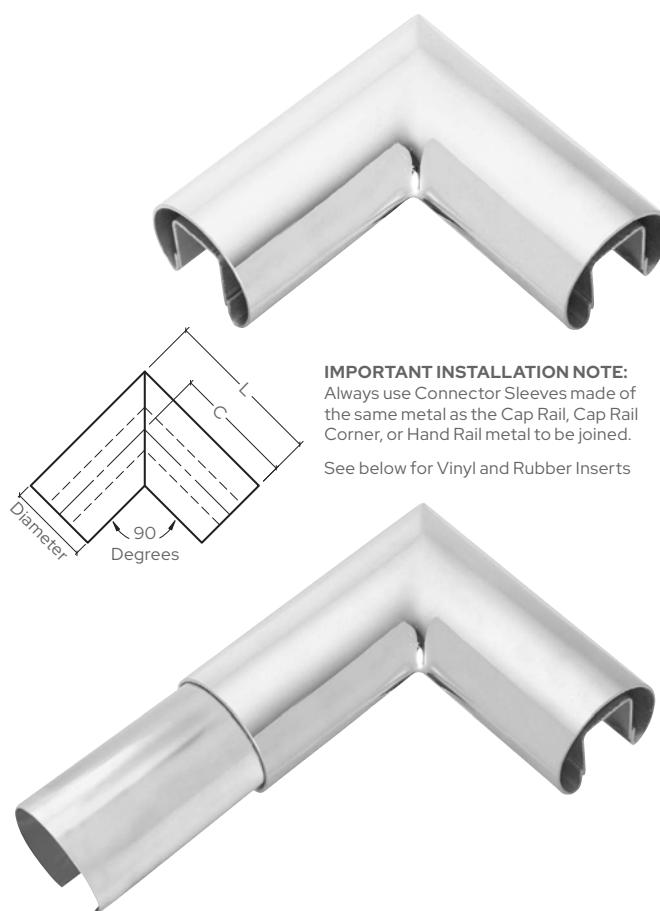
CAT. NO.	GRADE	FINISH	DIMENSIONS
GR20HBS	304	Brushed Stainless	L=4" (102 mm)
GR20HPS	304	Polished Stainless	C=3" (76 mm)
GR20HPB	C260	Polished Brass	----
GR20HSB	C260	Satin Brass	----

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

FOR 2-1/2" (64 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR25HBS	304	Brushed Stainless	L=4-1/2" (114 mm)
GR25HPS	304	Polished Stainless	C=3-1/4" (83 mm)
GR25HPB	C260	Polished Brass	----

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



IMPORTANT INSTALLATION NOTE:
Always use Connector Sleeves made of the same metal as the Cap Rail, Cap Rail Corner, or Hand Rail metal to be joined.
See below for Vinyl and Rubber Inserts

FOR 3" (76 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR30HBS	304	Brushed Stainless	L=5" (127 mm)
GR30HPS	304	Polished Stainless	C=3-1/2" (89 mm)

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

FOR 3-1/2" (89 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR35HBS	304	Brushed Stainless	L=5-1/2" (140 mm)

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

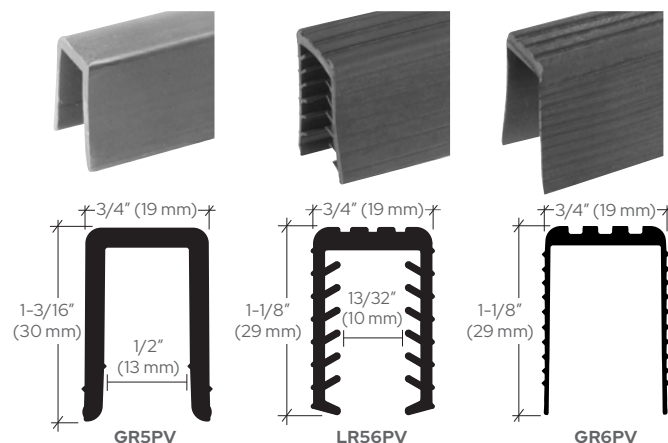
CRL Cap Rail Vinyl and Rubber Inserts

- For Use With 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) Glass
- Provide Protective Barrier Between Metal Cap and Glass
- Helps to Align Glass Panels During Installation
- Use 95CBL Silicone to secure the Rail Vinyl or Rubber inserts inside the pocket of the Cap Rail and also to the glass.

CAT. NO.	USE WITH	SOLD BY
GR5PV	1/2" (12 mm) Glass	120' (3.05 m) Length
LR56PV	9/16" (13.52 mm) Glass	100' (30.5 m) Roll*
GR6PV	5/8" (16 mm) Glass	100' (30.5 m) Roll*

Minimum order: 1 stock length. Sizes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than five combined lengths. Stock lengths longer than 108" (2.14 m) must ship common carrier, unless you specify we cut them for U.P.S. A Cutting Charge will apply.

*Minimum order: 1 roll (100 ft.)



CRL GRS Cap Railing Systems

CRL Premium Cap Railing 135 Degree Horizontal Corners for 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) Glass

- Welded and Finished
- Requires Two Connector Sleeves (Not Included)

Interior slip-fit Horizontal Corners for 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) thick glass allow for hairline joint assemblies with straight lengths of CRL Cap Rail. Use of our Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each corner (see page 80). Each Horizontal Corner is fabricated, finished, and individually packed. All of our stainless and brass corners are fabricated from CRL Premium Cap Rail, and are welded and finished to match. Standard stainless is 304 grade. Stainless 316 grade is available on special order. For brass C260 grade is standard.

FOR 1-1/2" (38 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR15H3BS	304	Brushed Stainless	L=2-1/2" (64 mm)
GR15H3PS	304	Polished Stainless	C=2-3/16" (56 mm)
GR15H3SB	C260	Satin Brass	----
GR15H3PB	C260	Polished Brass	----

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

FOR 1.66" (42 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR16H3BS	304	Brushed Stainless	L=2-3/4" (70 mm)
GR16H3PS	304	Polished Stainless	C=2-3/8" (60 mm)

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

FOR 2" (51 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR20H3BS	304	Brushed Stainless	L=2-3/4" (70 mm)
GR20H3PS	304	Polished Stainless	C=2-5/16" (59 mm)
GR20H3PB	C260	Polished Brass	----
GR20H3SB	C260	Satin Brass	----

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

FOR 2-1/2" (64 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR25H3BS	304	Brushed Stainless	L=3" (76 mm)
GR25H3PS	304	Polished Stainless	C=2-1/2" (64 mm)
GR25H3PB	C260	Polished Brass	----

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

FOR 3" (76 MM) DIAMETER PREMIUM CAP RAILING

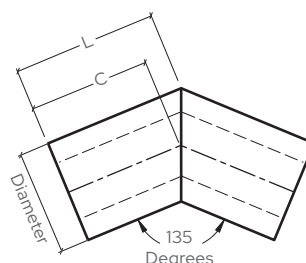
CAT. NO.	GRADE	FINISH	DIMENSIONS
GR30H3BS	304	Brushed Stainless	L=5" (127 mm)
GR30H3PS	C260	Polished Stainless	C=4-3/8" (89 mm)

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

FOR 3-1/2" (90 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR35H3BS	304	Brushed Stainless	L=5-1/2" (140 mm)
			C=4-3/4" (95 mm)

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



IMPORTANT INSTALLATION NOTE:

Always use Connector Sleeves made of the same metal as the Cap Rail, Cap Rail Corner, or Hand Rail metal to be joined.

See page 77 for Vinyl and Rubber Inserts.

CRL GRS Cap Railing Systems

CRL Premium Cap Railing 90 Degree Vertical Corners for 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) Glass

- Up to Four Architectural Finishes
- Requires Two Connector Sleeves (Not Included)
- Ready to Install

Interior slip-fit Vertical Corners for 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) thick glass allow for hairline joint assemblies with straight lengths of CRL Cap Rail. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each corner (see page 80). Each Vertical Corner is fabricated, finished, and individually packed. All of our stainless and brass corners are fabricated from CRL Premium Cap Rail, and are welded and finished to match. Stainless 316 grade is available on special order. For brass, C260 grade is standard. See page 77 for Vinyl and Rubber Inserts.

1-1/2" (38 MM) DIAMETER CORNERS

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR15VBS	304	Brushed Stainless	L=3-3/4" (95 mm)
GR15VPS	304	Polished Stainless	D=5/16" (8 mm)*
GR15VSB	C260	Satin Brass	----
GR15VPB	C260	Polished Brass	----

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

2" (51 MM) DIAMETER CORNERS

CAT. NO.	GRADE	FINISH DIMENSIONS
GR20VBS	304	Brushed Stainless L=4" (102 mm)
GR20VPS	304	Polished Stainless D=3/8" (10 mm)*
GR20VPB	C260	Polished Brass ----
GR20VSB	C260	Satin Brass ----

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

2-1/2" (64 MM) DIAMETER CORNERS

CAT. NO.	GRADE	FINISH DIMENSIONS
GR25VBS	304	Brushed Stainless L=4-1/2" (114 mm)
GR25VPS	304	Polished Stainless D=7/8" (22 mm)*
GR25VPB	C260	Polished Brass ----

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

3" (76 MM) DIAMETER CORNERS

CAT. NO.	GRADE	FINISH DIMENSIONS
GR30VBS	304	Brushed Stainless L=5" (127 mm)
GR30VPS	304	Polished Stainless D=1-3/8" (35 mm)*

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

CRL 3M® Scotch-Brite® Hand Pads

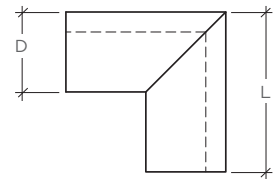
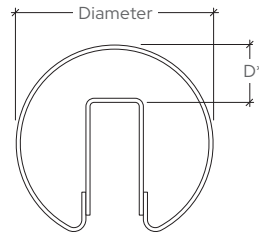
- Cleans, Finishes, Blends, and Deburrs Metal
- Great for Touch Up and Refinishing Brushed Stainless Steel Railing Systems
- Two Grades Available

CAT. NO.	DESCRIPTION
SB7440C	Scotch-Brite® Coarse Hand Pad
SB7447F	Scotch-Brite® Fine Hand Pad

Minimum order: 1 each.



COLOR
Tan
Maroon



*This dimension is used to calculate the glass size. Add the clearance you desire or add an additional 1/8" (3 mm) if using Cap Rail Vinyl.



Always use proper Connector Sleeves (See page 80).

3-1/2" (89 MM) DIAMETER CORNERS

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR35VBS	304	Brushed Stainless	L=5-1/2" (140 mm)
			D=1-7/8" (48 mm)

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



CRL GRS Cap Railing Systems

CRL Connector Sleeves for Premium Cap Railings, Cap Rail Corners, and Hand Railings

- For 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) Glass Cap Railings
- Formed, Shaped to Fit, and Ready to Install
- Provides Proper Alignment at Splices

CRL Connector Sleeves are used to connect and provide proper alignment between railing splices and railing-to-corner splices. Connector Sleeves are 5" (127 mm) long, and must be compressed to fit inside the Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond.



IMPORTANT INSTALLATION NOTE:
Always use Connector Sleeves made of the same metal as the Cap Rail, Cap Rail Corner, or Hand Rail metal to be joined.

FOR 1-1/2" (38 MM) DIAMETER ROUND RAILING

CAT. NO.	MATERIAL	1-1/2" (38 MM) FOR USE WITH
GR15CSS	Stainless Steel	GR15BS/GR15PS Cap Rails and all 1-1/2" (38 mm) Stainless Steel Cap Rail Corners. HR15BS/HR15PS 1-1/2" (38 mm) Stainless Steel Hand Rails.
GR15CSB	Brass	GR15PB/GR15SB Cap Rails and all 1-1/2" (38 mm) Brass Cap Rail Corners. HR15PB/HR15SB 1-1/2" (38 mm) Brass Hand Rails.

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

FOR 1.66" (42 MM) DIAMETER ROUND RAILING

CAT. NO.	MATERIAL	1.66" (42 MM) FOR USE WITH
GR16CSS	Stainless Steel	GR16BS/GR16PS Cap Rails and all 1.66" (42 mm) Stainless Steel Cap Rail Corners.

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

FOR 2" (51 MM) DIAMETER ROUND RAILING

CAT. NO.	MATERIAL	2" (51 MM) FOR USE WITH
GR20CSS	Stainless Steel	GR20BS/GR20PS/Cap Rails and all 2" (51 mm) Stainless Steel Cap Rail Corners. HR20BS/HR20PS 2" (51 mm) Stainless Steel Hand Rails.
GR20CSB	Brass	GR20PB/GR20SB Cap Rails and all 2" (51 mm) Brass Cap Rail Corners. HR20PB/HR20SB 2" (51 mm) Brass Hand Rails.

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

FOR 2-1/2" (64 MM) DIAMETER ROUND RAILING

CAT. NO.	MATERIAL	2-1/2" (64 MM) FOR USE WITH
GR25CSS	Stainless Steel	GR25BS/GR25PS/Cap Rails and all 2-1/2" (64 mm) Stainless Steel Cap Rail Corners.

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

FOR 3" (76 MM) DIAMETER ROUND RAILING

CAT. NO.	MATERIAL	3" (76 MM) FOR USE WITH
GR30CSS	Stainless Steel	GR30BS/GR30PS/Cap Rails and all 3" (76 mm) Stainless Steel Cap Rail Corners.
GR30CSB	Brass	GR30PB/GR30SB/Cap Rails and all 3" (76 mm) Brass Cap Rail Corners.

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

FOR 3-1/2" (89 MM) DIAMETER ROUND RAILING

CAT. NO.	MATERIAL	3-1/2" (89 MM) FOR USE WITH
GR35CSS	Stainless Steel	GR35BS/GR35PS Cap Rails and all 3-1/2" (89 mm) Stainless Steel Cap Rail Corners.

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

CRL GRS Cap Railing Systems



CRL Premium Cap Railing End Caps for 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) Glass

- Four Architectural Finishes
- Formed and Shaped to Fit
- Ready to Install

CRL End Caps easily slip into the Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Standard stainless is 316 grade. For brass, C260 grade is standard. Contact CRL Product Group Sales for more information or a quote.

FOR 1-1/2" (38 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	GA./THK.	FINISH	FITS CAP RAIL NO.
GR15ECBS	316	16/.0625"	Brushed Stainless	GR15BS
GR15ECPS	316	16/.0625"	Polished Stainless	GR15PS
GR15ECPB	C260	.045"	Polished Brass	GR15PB
GR15ECSB	C260	.045"	Satin Brass	GR15SB

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

FOR 1.66" (42 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	GA./THK.	FINISH	FITS CAP RAIL NO.
GR16ECBS	316	16/.0625"	Brushed Stainless	GR16BS
GR16ECPS	316	16/.0625"	Polished Stainless	GR16PS

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

FOR 2" (51 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	GA./THK.	FINISH	FITS CAP RAIL NO.
GR20ECBS	316	16/.0625"	Brushed Stainless	GR20BS
GR20ECPS	316	16/.0625"	Polished Stainless	GR20PS
GR20ECPB	C260	.045"	Polished Brass	GR20PB
GR20ECSB	C260	.045"	Satin Brass	GR20SB

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

FOR 2-1/2" (64 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	GA./THK.	FINISH	FITS CAP RAIL NO.
GR25ECBS	316	16/.0625"	Brushed Stainless	GR25BS
GR25ECPS	316	16/.0625"	Polished Stainless	GR25PS
GR25ECPB	C260	.045"	Polished Brass	GR25PB

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



FOR 3" (76 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	GA./THK.	FINISH	FITS CAP RAIL NO.
GR30ECBS	316	16/.0625"	Brushed Stainless	GR30BS
GR30ECPS	316	16/.0625"	Polished Stainless	GR30PS

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

FOR 3-1/2" (89 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	GA./THK.	FINISH	FITS CAP RAIL NO.
GR35ECBS	316	16/.0625"	Brushed Stainless	GR35BS

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

CRL GRS Cap Railing Systems

CRL Premium Cap Railing Stabilizing End Caps for 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) Glass

- Formed and Shaped to Fit
- Ready to Install With Lag Screw
- Four Architectural Finishes

CRL Stabilizing End Caps easily slip into our Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Standard stainless is 316 grade. For brass, C260 grade is standard. Includes: 1/4" (6 mm) x 2" (51 mm) Lag Screw with 1/4" (6 mm) Nylon Spacer.

FOR 1-1/2" (38 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR15SECBS	316	Brushed Stainless	GR15BS
GR15SECPS	316	Polished Stainless	GR15PS
GR15SECPB	C260	Polished Brass	GR15PB
GR15SECSB	C260	Satin Brass	GR15SB

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

FOR 1.66" (42 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR16SECBS	316	Brushed Stainless	GR16BS
GR16SECPS	316	Polished Stainless	GR16PS

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

FOR 2" (51 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR20SECBS	316	Brushed Stainless	GR20BS
GR20SECPS	316	Polished Stainless	GR20PS
GR20SECPB	C260	Polished Brass	GR20PB
GR20SECSB	C260	Satin Brass	GR20SB

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

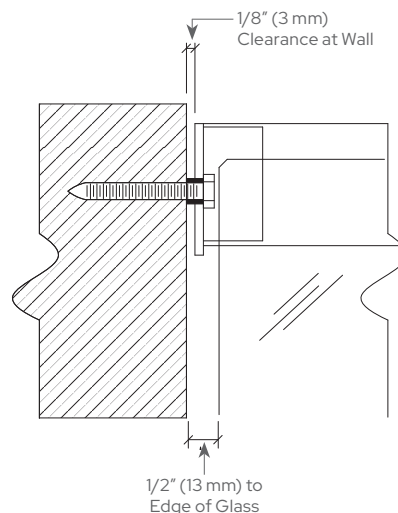
FOR 2-1/2" (64 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR25SECBS	316	Brushed Stainless	GR25BS
GR25SECPS	316	Polished Stainless	GR25PS
GR25SECPB	C260	Polished Brass	GR25PB

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



CAT. NO. SECBI
Lag Screw with
Spacer (Included)



FOR 3" (76 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR30SECBS	316	Brushed Stainless	GR30BS
GR30SECPS	316	Polished Stainless	GR30PS

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

FOR 3-1/2" (89 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR35SECBS	316	Brushed Stainless	GR35BS

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

CRL Cap Rail Vinyl and Rubber Inserts

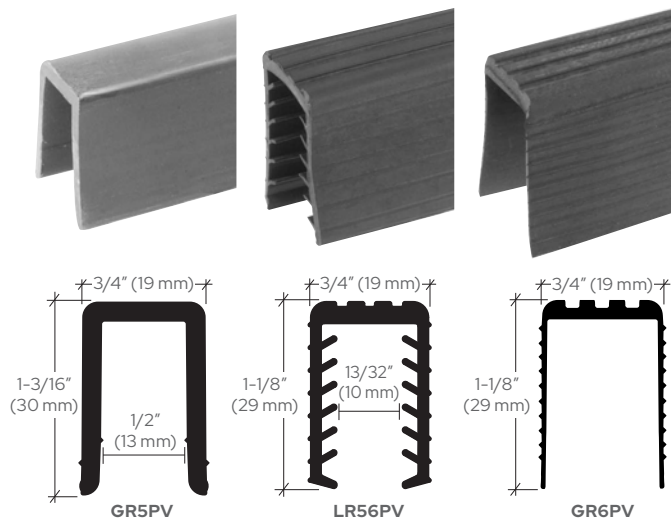
- For Use With 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) Glass
- Provide Protective Barrier Between Metal Cap and Glass
- Helps to Align Glass Panels During Installation

CRL Cap Rail Vinyl and Rubber Inserts should be used with all CRL Cap Rails and U-Channel Caps to provide a protective barrier between metal and glass. Use 95CBL Silicone (see page 37) to secure the Rail Vinyl or Rubber Inserts inside the pocket of the Cap Rail and also to the glass.

CAT. NO.	USE WITH	SOLD BY
GR5PV	1/2" (12 mm) Glass	120" (3.05 m) Length
LR56PV	9/16" (13.52 mm) Glass	100' (30.5 m) Roll*
GR6PV	5/8" (16 mm) Glass	100' (30.5 m) Roll*

Minimum order: 1 stock length. Sizes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than five combined lengths. Stock lengths longer than 108" (2.14 m) must ship common carrier, unless you specify we cut them for U.P.S. A Cutting Charge will apply.

*Minimum order: 1 roll (100 ft.)



CRL GRS Cap Railing Systems

CRL Premium Cap Rails for 3/4" (19 mm) Glass

- Bumped-Formed and Welded 120" (3.05 m) and 168" (4.27 m) Stock Lengths are Available in Three Diameters and Four Architectural Finishes
- Connect to Fabricated Corners and End Caps
- For Stainless, 304 Grade is Standard; 316 Grade Available on Special Order
- For Brass, C260 Grade is Standard

All CRL Premium Cap Railings are formed using precision tooling to maintain uniform diameters, allowing for smooth hairline transitions at splices, corners, and end caps. The internal channel is spot welded in place every 6" (152 mm) on both sides to increase strength and stability. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Use Connector Sleeves shown on page 85 to connect Cap Rails. Stainless 304 grade is standard; Stainless 316 grade is available on special order. For Brass, C260 grade is standard.

NOTE: When using GR207, GR257, and GR307 Series Cap Rails, Cat. No. GR7PV Cap Rail Vinyl (see page 85) and 95CBL Silicone (see page 37) should be used to secure the glass.

2" (51 MM) DIAMETER PREMIUM CAP RAIL IN 120" (3.05 M) AND 168" (4.27 M) LENGTHS

CAT. NO. 120" (3.05 M)	CAT. NO. 168" (4.27 M)	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GR207BS	GR207BS14	304	Brushed Stainless	.050" (1.3 mm)	GR20CSS
GR207PS	----	304	Polished Stainless	.050" (1.3 mm)	GR20CSS
GR207PB	----	C260	Polished Brass	.050" (1.3 mm)	GR20CSB
GR207SB	----	C260	Satin Brass	.050" (1.3 mm)	GR20CSB

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

2-1/2" (64 MM) DIAMETER PREMIUM CAP RAIL IN 120" (3.05 M) AND 168" (4.27 M) LENGTHS

CAT. NO. 120" (3.05 M)	CAT. NO. 168" (4.27 M)	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GR257BS	GR257BS14	304	Brushed Stainless	.0625" (1.6 mm)	GR25CSS
GR257PS	----	304	Polished Stainless	.0625" (1.6 mm)	GR25CSS
GR257PB	----	C260	Polished Brass	.0625" (1.6 mm)	GR25CSB

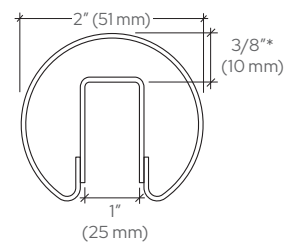
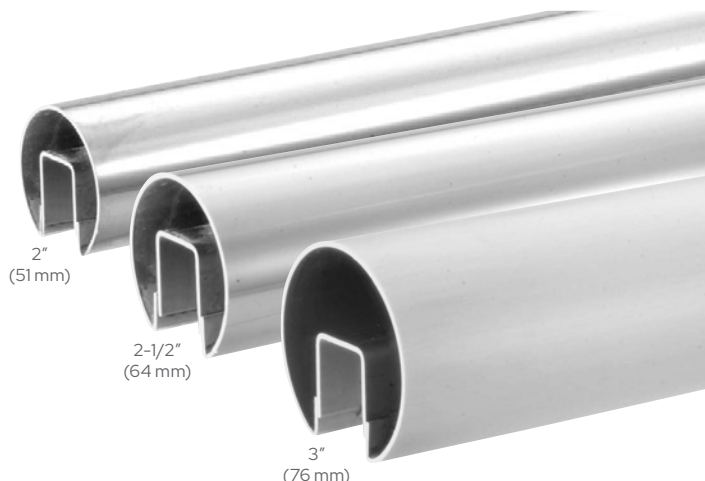
Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing.

3" (76 MM) DIAMETER PREMIUM CAP RAIL IN 120" (3.05 M) AND 168" (4.27 M) LENGTHS

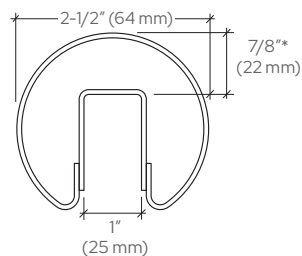
CAT. NO. 120" (3.05 M)	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GR307BS	304	Brushed Stainless	.0625" (1.6 mm)	GR30CSS
GR307PS	304	Polished Stainless	.0625" (1.6 mm)	GR30CSS

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

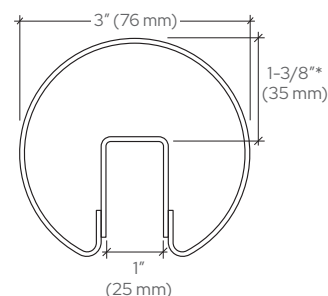
*This dimension is used to calculate the glass size. Add the clearance you desire or allow an additional 1/8" (3 mm) if using Cap Rail Vinyl (see page 85).



GR207



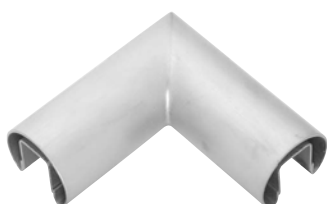
GR257



GR307

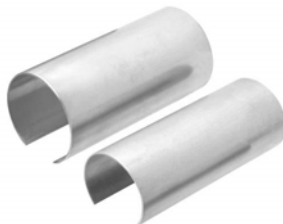
CRL Premium Cap Rail Accessories for 3/4" (19 mm) Glass

Corners



See Page 84

Connector Sleeves



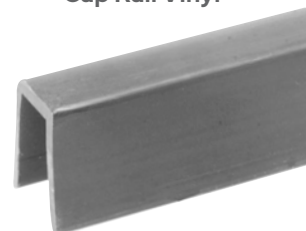
See Page 85

End Caps



See Page 86

Cap Rail Vinyl



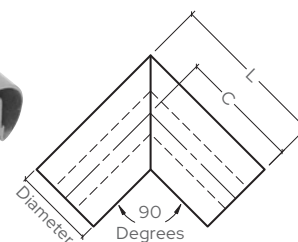
See Pages 82, 85

CRL GRS Cap Railing Systems

CRL Premium Cap Railing 90 Degree Horizontal Corners for 3/4" (19 mm) Glass

- Ready to Install
- Variety of Architectural Finishes
- Requires Two Connector Sleeves (Not Included)
- Custom Corners Available Upon Request
- Vertical Corners Also Available
Go to crlaurence.com

Interior slip-fit Horizontal Corners for 3/4" (19 mm) thick glass allow for hairline joint assemblies with straight lengths of Premium Cap Rail. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each corner (see page 85). Each Horizontal Corner is fabricated, finished, and individually packed. All of our stainless and brass corners are fabricated from CRL Premium Cap Rail, and are welded and finished to match. Standard stainless is 304 grade. Stainless 316 grade is available on special order. For brass, C260 grade is standard. Please contact CRL Product Group Sales for more information or a quote.



NOTE: Our GR7PV Cap Rail Vinyl (see page 85) and 95CBL Silicone (see page 37) should be used to secure the glass.

FOR 2" (51 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR207HBS	304	Brushed Stainless	L=4" (102 mm)
GR207HPS	304	Polished Stainless	C=3" (76 mm)
GR207HPB	C260	Polished Brass	----
GR207HSB	C260	Satin Brass	----

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

IMPORTANT INSTALLATION NOTE:

Always use Connector Sleeves made of the same metal as the Cap Rail, Cap Rail Corner, or Hand Rail metal to be joined (see page 63).

FOR 2-1/2" (64 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR257HBS	304	Brushed Stainless	L=4-1/2" (114 mm)
GR257HPS	304	Polished Stainless	C=3-1/4" (83 mm)
GR257HPB	C260	Polished Brass	----

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

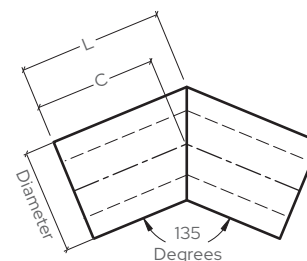
FOR 3" (76 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR307HBS	304	Brushed Stainless	L=5" (127 mm)
GR307HPS	304	Polished Stainless	C=3-1/2" (89 mm)

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

CRL Premium Cap Railing 135 Degree Horizontal Corners for 3/4" (19 mm) Glass

- Ready to Install
- Requires Two Connector Sleeves (Not Included)
- Custom Corners Available Upon Request



FOR 2" (51 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR207H3BS	304	Brushed Stainless	L=2-3/4" (70 mm)
GR207H3PS	304	Polished Stainless	C=2-5/16" (59 mm)
GR207H3PB	C260	Polished Brass	----
GR207H3SB	C260	Satin Brass	----

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

FOR 2-1/2" (64 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR257H3BS	304	Brushed Stainless	L=3" (76 mm)
GR257H3PS	304	Polished Stainless	C=2-1/2" (64 mm)
GR257H3PB	C260	Polished Brass	----

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

IMPORTANT INSTALLATION NOTE:

Always use Connector Sleeves made of the same metal as the Cap Rail, Cap Rail Corner, or Hand Rail metal to be joined (see page 63).

NOTE: Our GR7PV Cap Rail Vinyl (see page 85) and 95CBL Silicone (see page 37) should be used to secure the glass.



FOR 3" (76 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR307H3BS	304	Brushed Stainless	L=5" (127 mm)
GR307H3PS	304	Polished Stainless	C=4-3/8" (111 mm)

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

CRL GRS Cap Railing Systems

CRL Connector Sleeves for Premium Cap Railings, Cap Rail Corners, and Hand Railings

- For 3/4" (19 mm) Glass Cap Railings
- Formed, Shaped to Fit, and Ready to Install
- Provides Proper Alignment at Splices

CRL Connector Sleeves are used to connect and provide proper alignment between railing splices and railing-to-corner splices. Connector Sleeves are 5" (127 mm) long, and must be compressed to fit inside the Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond.

FOR 2" (51 MM) DIAMETER ROUND RAILING

CAT. NO.	MATERIAL	2" (51 MM) FOR USE WITH
GR20CSS	Stainless Steel	GR207BS/GR207PS Cap Rails and all 2" (51 mm) Stainless Steel Cap Rail Corners. HR20BS/HR20PS 2" (51 mm) Stainless Steel Hand Rails.
GR20CSB	Brass	GR207PB/GR207SB Cap Rails and all 2" (51 mm) Brass Cap Rail Corners. HR20PB/HR20SB 2" (51 mm) Brass Hand Rails.

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

FOR 2-1/2" (64 MM) DIAMETER ROUND RAILING

CAT. NO.	MATERIAL	2-1/2" (64 MM) FOR USE WITH
GR25CSS	Stainless Steel	GR257BS/GR257PS Cap Rails and all 2-1/2" (64 mm) Stainless Steel Cap Rail Corners.
GR25CSB	Brass	GR257PB/GR257SB Cap Rails and all 2-1/2" (64 mm) Brass Cap Rail Corners.

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

FOR 3" (76 MM) DIAMETER ROUND RAILING

CAT. NO.	MATERIAL	3" (76 MM) FOR USE WITH
GR30CSS	Stainless Steel	GR307BS/GR307PS Cap Rails and all 3" (76 mm) Stainless Steel Cap Rail Corners.

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

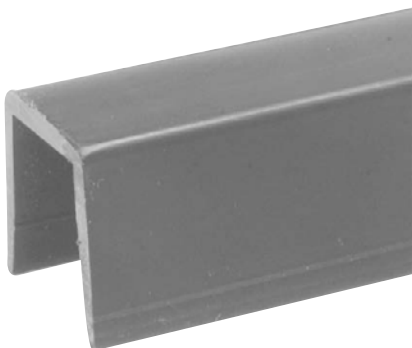
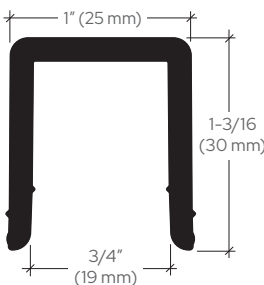


IMPORTANT INSTALLATION NOTE:
Always use Connector Sleeves made of the same metal as the Cap Rail, Cap Rail Corner, or Hand Rail metal to be joined.

CRL Cap Rail Rigid Vinyl Insert

- For Use With 3/4" (19 mm) Glass
- Rigid Black Vinyl Provides Protective Barrier Between Metal Cap and Glass
- Helps to Align Glass Panels During Installation

CRL Cap Rail Rigid Vinyl Inserts should be used with all CRL Cap Rails and U-Channel Caps to provide a protective barrier between metal and glass. The Rigid Vinyl Insert is useful in temporarily aligning the glass panels until the final installation of Cap Rail or U-Channel. Use 95CBL Silicone (see page 37) to secure the Rigid Vinyl inside the pocket of the Cap Rail and also to the glass.



CAT. NO.	USE WITH	WIDTH	HEIGHT	LENGTH
GR7PV	3/4" (19 mm) Glass	3/4" (19 mm)	1-3/16" (30 mm)	120" (3.05 m)

Minimum order: 1 stock length. Sizes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than five combined lengths. Stock lengths longer than 108" (2.14 m) must ship common carrier, unless you specify we cut them for U.P.S. A Cutting Charge will apply.

CRL GRS Cap Railing Systems

CRL Premium Cap Railing End Caps for 3/4" (19 mm) Glass

- Four Architectural Finishes
- Formed and Shaped to Fit
- Ready to Install

FOR 2" (51 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	GA./THK.	FINISH	FITS CAP RAIL NO.
GR20ECBS	316	20/.035"	Brushed Stainless	GR207BS
GR20ECPS	316	20/.035"	Polished Stainless	GR207PS
GR20ECPB	C260	.045"	Polished Brass	GR207PB
GR20ECBSB	C260	.045"	Satin Brass	GR207SB

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

FOR 2-1/2" (64 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	GA./THK.	FINISH	FITS CAP RAIL NO.
GR25ECBS	316	20/.035"	Brushed Stainless	GR257BS
GR25ECPS	316	20/.035"	Polished Stainless	GR257PS
GR25ECPB	C260	.045"	Polished Brass	GR257PB

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

FOR 3" (76 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	GA./THK.	FINISH	FITS CAP RAIL NO.
GR30ECBS	316	20/.035"	Brushed Stainless	GR307BS
GR30ECPS	316	20/.035"	Polished Stainless	GR307PS

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



CRL End Caps easily slip into the Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Standard stainless is 316 grade. For brass, C260 grade is standard. Contact CRL Product Group Sales for more information or a quote.

CRL Premium Cap Railing Stabilizing End Caps for 3/4" (19 mm) Glass

- Formed and Shaped to Fit
- Ready to Install With Lag Screw
- Four Architectural Finishes

CRL Stabilizing End Caps easily slip into our Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Standard stainless is 316 grade. For brass, C260 grade is standard. Includes: 1/4" x 2" (6 x 51 mm) Lag Screw with 1/4" (6 mm) Nylon Spacer.

FOR 2" (51 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR20SECBS	316	Brushed Stainless	GR207BS
GR20SECPS	316	Polished Stainless	GR207PS
GR20SECPB	C260	Polished Brass	GR207PB
GR20SECBSB	C260	Satin Brass	GR207SB

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

FOR 2-1/2" (64 MM) DIAMETER PREMIUM CAP RAILING

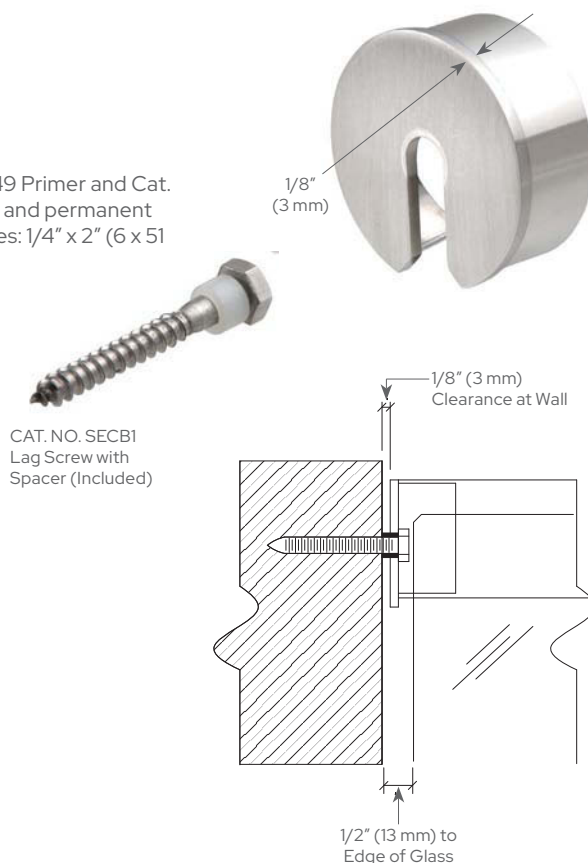
CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR25SECBS	316	Brushed Stainless	GR257BS
GR25SECPS	316	Polished Stainless	GR257PS
GR25SECPB	C260	Polished Brass	GR257PB

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

FOR 3" (76 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR30SECBS	316	Brushed Stainless	GR307BS
GR30SECPS	316	Polished Stainless	GR307PS

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

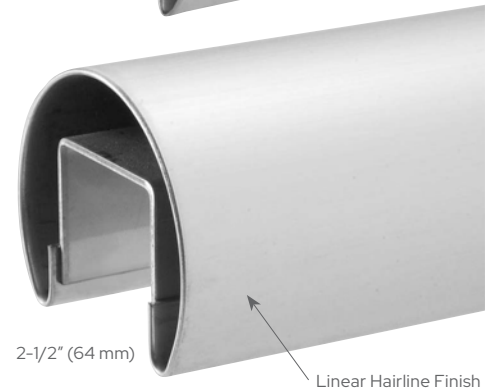
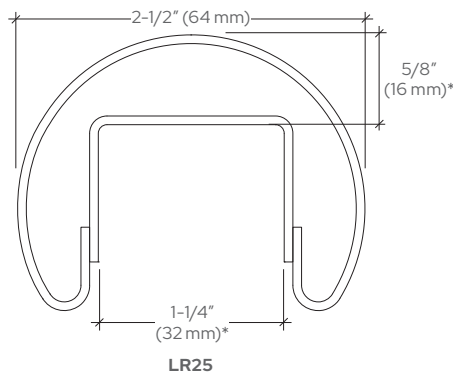
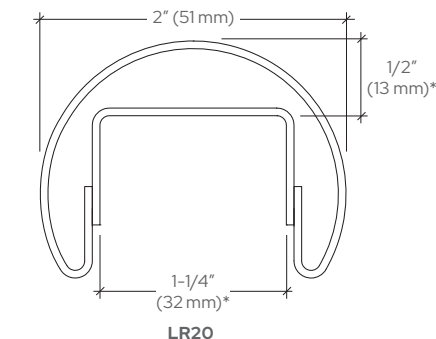


CRL GRS Cap Railing Systems

CRL Premium Cap Rails for 27/32" (21.52 mm) and 1-1/16" (25.52 mm) Laminated Glass

- Bump-Formed and Welded 118-1/8" (3 m) Stock Lengths are Available in Two Diameters and Four Architectural Finishes
- Connect to Fabricated Corners and End Caps
- Cut to Size or Custom Fabricated Lengths
- 316 Grade is Standard for Stainless

All CRL Premium Cap Rails for Laminated Glass are formed using precision tooling to maintain uniform profiles, allowing for smooth hairline transitions at splices, corners, and end caps. The internal channel is spot welded in place every 6" (152 mm) on both sides to increase strength and stability. Both Cap Rails support 27/32" (21.52 mm) and 1-1/16" (25.52 mm) laminated glass thicknesses by using CRL Protective Rubber Inserts (see page 90). Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond.



* This dimension is used to calculate the glass size. Add the clearance you desire or add an additional 1/8" (3 mm) if using Cap Rail Rubber Insert.

2" (51 MM) DIAMETER PREMIUM CAP RAIL IN 118-1/8" (3 M) LENGTHS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
LR20BS	316	Brushed Stainless	.050" (1.3 mm)	L20CSS
LR20PS	316	Polished Stainless	.050" (1.3 mm)	L20CSS
LR20PB	C260	Polished Brass	.050" (1.3 mm)	L20CSB
LR20SB	C260	Satin Brass	.050" (1.3 mm)	L20CSB

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

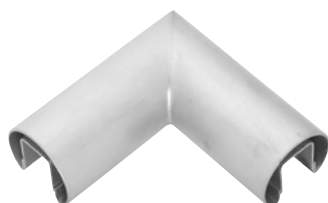
2-1/2" (64 MM) DIAMETER PREMIUM CAP RAIL IN 118-1/8" (3 M) LENGTHS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
LR25BS	316	Brushed Stainless	.0625" (1.6 mm)	L25CSS
LR25PS	316	Polished Stainless	.0625" (1.6 mm)	L25CSS
LR25PB	C260	Polished Brass	.0625" (1.6 mm)	L25CSB
LR25SB	C260	Satin Brass	.0625" (1.6 mm)	L25CSB

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

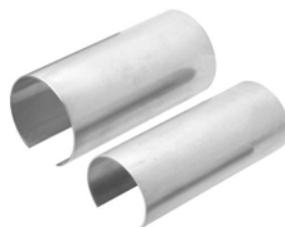
CRL Premium Cap Rail Accessories for Laminated Glass

Corners



See Page 88

Connector Sleeves



See Page 88

End Caps



See Pages 86, 90

Contact Cement



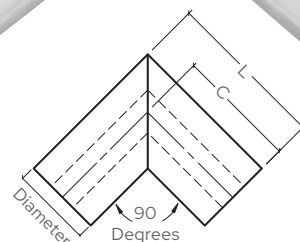
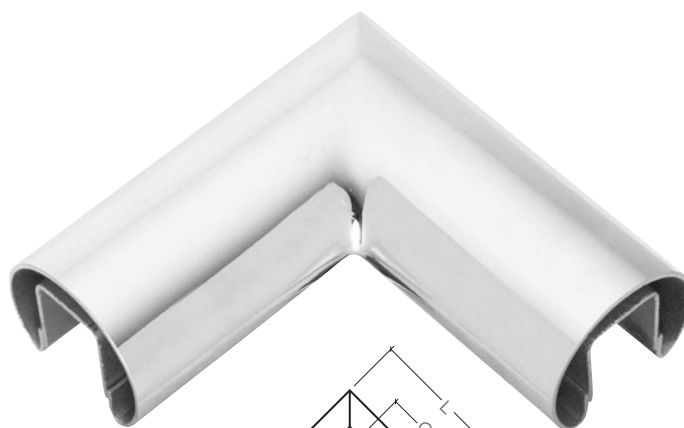
See Page 96

CRL GRS Cap Railing Systems

CRL Premium Cap Railing 90 Degree Horizontal Corners for 27/32" and 1-1/16" (21.52 mm and 25.52 mm) Laminated Glass

- Welded and Finished
- Two Architectural Finishes
- Ready to Install
- Requires Two Connector Sleeves (Not Included)

This CRL slip-fit Horizontal Corner for 27/32" or 1-1/16" (21.52 mm and 25.52 mm) thick laminated glass allows for hairline joint assemblies with straight lengths of Premium Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each Corner.



FOR 2" (51 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
L20HBS	316	Brushed Stainless	L=4" (102 mm)
L20HPS	316	Polished Stainless	C=3" (76 mm)

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

FOR 2-1/2" (64 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
L25HBS	316	Brushed Stainless	L=4-1/2" (114 mm)
L25HPS	316	Polished Stainless	C=3-1/4" (83 mm)

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

IMPORTANT INSTALLATION NOTE:
Always use Connector Sleeves made of the same metal as the Cap Rail, Cap Rail Corner, or Hand Rail metal to be joined.



Stainless Steel



CRL Connector Sleeves for Premium Cap Railings and Cap Rail Corners for Laminated Glass

- Formed and Shaped to Fit
- Ready to Install
- Provide Proper Alignment at Splices

CRL Cap Railing Connector Sleeves are used to connect and provide proper alignment between railing splices and rail-to-center splices. Connector Sleeves are 5" (127 mm) long, and must be compressed to fit inside the Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond.

to fit inside the Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond.

CAT. NO.	MATERIAL	FOR USE WITH
L20CSS	Stainless Steel 2" (51 mm)	LR20 Cap Railing and Corners
L25CSS	Stainless Steel 2-1/2" (64 mm)	LR25 Cap Railing and Corners

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

CRL GRS Cap Railing Systems



CRL Premium Cap Railing 135 Degree Horizontal Corners for 27/32" and 1-1/16" (21.52 mm and 25.52 mm) Laminated Glass

- Welded and Finished
- Four Architectural Finishes
- Ready to Install
- Requires Two Connector Sleeves (Not Included)

This CRL slip-fit Horizontal Corner for 27/32" or 1-1/16" (21.52 mm and 25.52 mm) thick laminated glass allows for hairline joint assemblies with straight lengths of CRL Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each Corner.

FOR 2" (51 MM) DIAMETER PREMIUM CAP RAILING

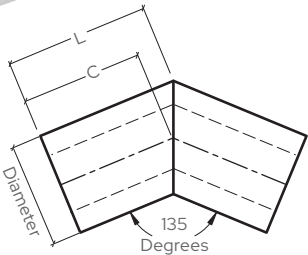
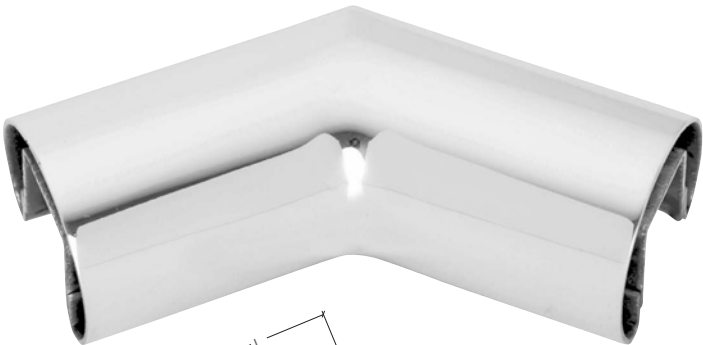
CAT. NO.	GRADE	FINISH	DIMENSIONS
L20H3BS	316	Brushed Stainless	L=2-3/4" (70 mm)
L20H3PS	316	Polished Stainless	C=2-5/16" (59 mm)

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

FOR 2-1/2" (64 MM) DIAMETER PREMIUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
L25H3BS	316	Brushed Stainless	L=3" (76 mm)
L25H3PS	316	Polished Stainless	C=2-1/2" (64 mm)

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



IMPORTANT INSTALLATION NOTE:
Always use Connector Sleeves made of the same metal as the Cap Rail, Cap Rail Corner, or Hand Rail metal to be joined.



CRL GRS Cap Railing Systems

CRL Premium Cap Railing End Caps for 27/32" and 1-1/16" (21.52 mm and 25.52 mm) Laminated Glass

- Formed and Shaped to Fit
- Ready to Install

This CRL End Cap easily slips into the Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Standard stainless is 316 grade. C260 grade is standard for brass.

CAT. NO.	CAT. NO.	GRADE	FINISH
FOR 2" (51 MM)	FOR 2-1/2" (64 MM)		
LR20ECBS	LR25ECBS	316	Brushed Stainless
LR20ECPS	LR25ECPS	316	Polished Stainless

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



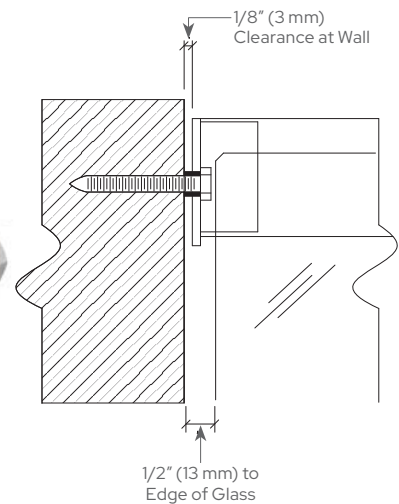
CRL Premium Cap Railing Stabilizing End Caps for 27/32" and 1-1/16" (21.52 mm and 25.52 mm) Laminated Glass

- Formed and Shaped to Fit Cap Railing
- Ready to Install With Lag Screw

CRL Stabilizing End Caps easily slip into our Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Standard stainless is 316 grade. For brass, C260 grade is standard. Includes 1/4" x 2" (6 x 51 mm) Lag Screw with 1/4" (6 mm) Nylon Spacer.

CAT. NO.	CAT. NO.	GRADE	FINISH
FOR 2" (51 MM)	FOR 2-1/2" (64 MM)		
LR20SECBS	LR25SECBS	316	Brushed Stainless
LR20SECPS	LR25SECPS	316	Polished Stainless

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



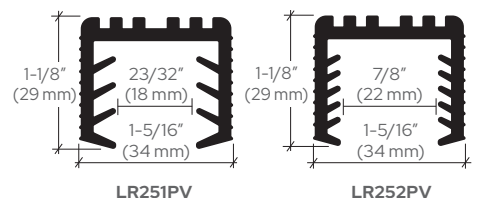
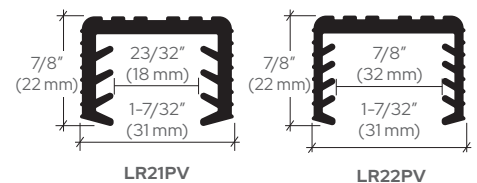
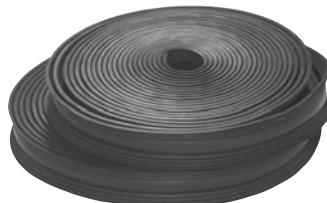
CRL Cap Rail Rubber Inserts

- Provides Secure Fit Between Glass and Cap Rail
- Flexible Black Rubber Provides Protective Barrier Between Metal Cap and Glass
- Helps Align Glass Panel During Installation

CRL Cap Rail Rubber Inserts are made of a flexible black rubber designed for our Cap Rails when using 9/16", 27/32", or 1-1/16" (13.52, 21.52, or 25.52 mm) laminated glass.

CAT. NO.	FITS CAP RAILS	USE WITH LAMINATED	ROLL LENGTH
LR21PV	LR20 Series	27/32" (21.52 mm) Glass	100' (30.5 m)
LR22PV	LR20 Series	1-1/16" (25.52 mm) Glass	100' (30.5 m)
LR251PV	LR25 Series	27/32" (21.52 mm) Glass	100' (30.5 m)
LR252PV	LR25 Series	1-1/16" (25.52 mm) Glass	100' (30.5 m)

Minimum order: 1 roll.



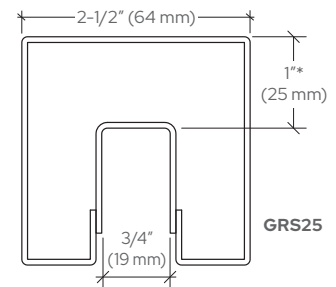
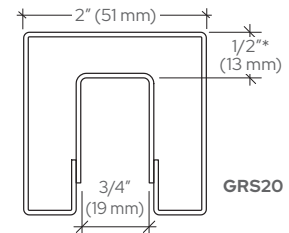
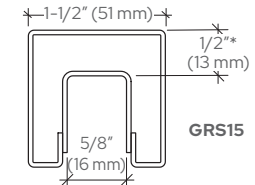
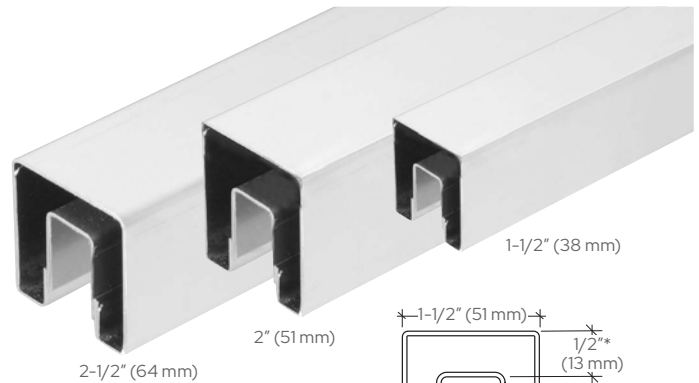
CRL GRS Cap Railing Systems

CRL Premium Square Cap Rails for 1/2", 9/16", and 5/8" (12, 13.52, and 16 mm) Glass

- 120" (3.05 m) Stock Lengths Available in Three Sizes and Two Architectural Finishes
- Compatible With Premium Corners
- Profiles Ranging From 1-1/2" (38 mm) to 2-1/2" (64 mm) in Size
- 304 Grade Stainless is Standard; 316 Grade Available on Special Order

All CRL Premium Square Cap Rails are formed using precision tooling to maintain uniform profiles, allowing for smooth hairline transitions at splices, corners, and end caps. The internal channel is spot welded every 6" (152 mm) on both sides to increase strength and stability.

*This dimension is used to calculate the glass size. Add the clearance you desire or add an additional 1/8" (3 mm) if using Cap Rail Rubber Insert (see page 90).



1-1/2" (38 MM) PREMIUM SQUARE CAP RAIL IN 120" (3.05 M) LENGTHS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GRS15BS	304	Brushed Stainless	.050" (1.3 mm)	GRS15CSS
GRS15PS	304	Polished Stainless	.050" (1.3 mm)	GRS15CSS

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

NOTE: 1-1/2" (38 mm) Square Premium Cap Rail works only with 1/2" (12 mm) glass, secured with 95CBL Silicone and Shims.

2" (51 MM) PREMIUM SQUARE CAP RAIL IN 120" (3.05 M) LENGTHS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GRS20BS	304	Brushed Stainless	.050" (1.3 mm)	GRS20CSS
GRS20PS	304	Polished Stainless	.050" (1.3 mm)	GRS20CSS

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

2-1/2" (64 MM) PREMIUM SQUARE CAP RAIL IN 120" (3.05 M) LENGTHS

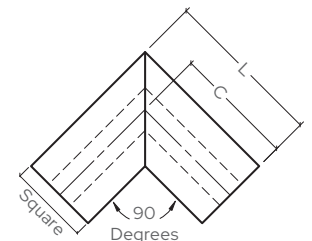
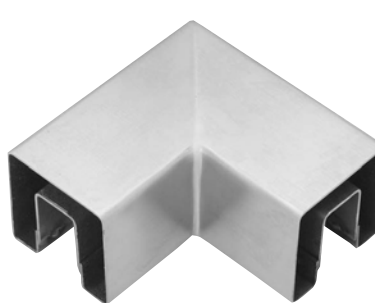
CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GRS25BS	304	Brushed Stainless	.0625" (1.6 mm)	GRS25CSS
GRS25PS	304	Polished Stainless	.0625" (1.6 mm)	GRS25CSS

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

CRL Premium Square 90 Degree Horizontal Corners for 1/2", 9/16", and 5/8" (12, 13.52, and 16 mm) Glass

- Square Profile
- Welded and Finished
- Requires Two Connector Sleeves (Not Included)

CRL Interior Slip-Fit Horizontal Corners for 1/2" (12 mm) to 5/8" (16 mm) thick glass allow for hairline joint assemblies with straight lengths of CRL Square Cap Rail. Use of our Cat. No. 32629 Metal Contact Cement is required to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each corner.



FOR 1-1/2" (38 MM) SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GRS15HBS	304	Brushed Stainless	L=3-3/4" (95 mm)
GRS15HPS	304	Polished Stainless	C=3" (76 mm)

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

FOR 2" (51 MM) SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GRS20HBS	304	Brushed Stainless	L=4" (102 mm)
GRS20HPS	304	Polished Stainless	C=3" (76 mm)

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

IMPORTANT INSTALLATION NOTE:

Always use Connector Sleeves made of the same metal as the Cap Rail, Cap Rail Corner, or Hand Rail metal to be joined.

FOR 2-1/2" (64 MM) SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GRS25HBS	304	Brushed Stainless	L=4-1/2" (114 mm)
GRS25HPS	304	Polished Stainless	C=3-1/4" (83 mm)

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

CRL GRS Cap Railing Systems

CRL Premium Square 135 Degree Horizontal Corners for 1/2", 9/16", and 5/8" (12, 13.52, and 16 mm) Glass

- Square Profile
- Welded and Finished
- Ready-to-Install
- Two Finishes Available
- Requires Two Connector Sleeves (Not Included).

FOR 1-1/2" (38 MM) SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GRS15H3BS	304	Brushed Stainless	L=2-1/2" (64 mm)
GRS15H3PS	304	Polished Stainless	C=2-3/16" (56 mm)

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

FOR 2" (51 MM) SQUARE CAP RAILING

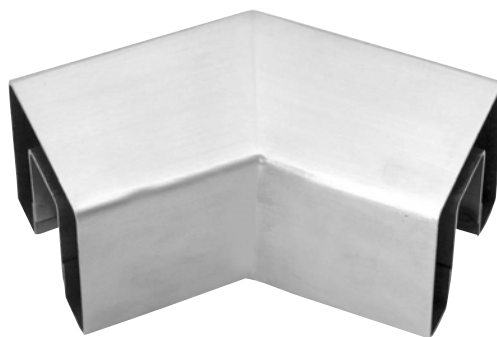
CAT. NO.	GRADE	FINISH	DIMENSIONS
GRS20H3BS	304	Brushed Stainless	L=2-3/4" (70 mm)
GRS20H3PS	304	Polished Stainless	C=2-5/16" (59 mm)

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

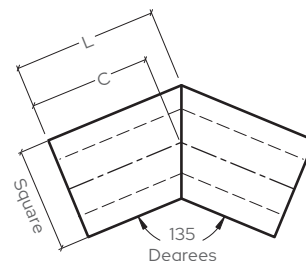
FOR 2-1/2" (64 MM) SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GRS25H3BS	304	Brushed Stainless	L=3" (76 mm)
GRS25H3PS	304	Polished Stainless	C=2-1/2" (64 mm)

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



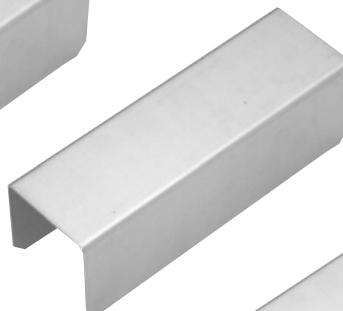
Always use proper Connector Sleeves (see page below)



CRL Connector Sleeves for Premium Square and Crisp Corner Cap Rails

- Formed and Shaped to Fit, Ready to Install
- Provide Proper Alignment at Splices

CRL Square Connector Sleeves are used to connect and provide proper alignment between square railing splices and square railing-to-corner splices. Square Connector Sleeves are 5" (127 mm) long, and must be compressed to fit inside the Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond.



FOR 1-1/2" (38 MM) SQUARE CAP RAILING

CAT. NO.	MATERIAL	1-1/2" (38 MM) FOR USE WITH
GRS15CSS	Stainless Steel	GRS15BS/GRS15PS Cap Rails and Corners
GRSC15CSS	Stainless Steel	GRSC15BS/GRSC15PS Cap Rails and Corners

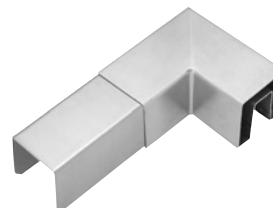
FOR 2" (51 MM) SQUARE CAP RAILING

CAT. NO.	MATERIAL	2" (51 MM) FOR USE WITH
GRS20CSS	Stainless Steel	GRS20BS/GRS20PS Cap Rails and Corners
GRSC20CSS	Stainless Steel	GRSC20BS/GRSC20PS Cap Rails and Corners

FOR 2-1/2" (64 MM) SQUARE CAP RAILING

CAT. NO.	MATERIAL	2-1/2" (64 MM) FOR USE WITH
GRS25CSS	Stainless Steel	GRS25BS/GRS25PS Cap Rails and Corners
GRSC25CSS	Stainless Steel	GRSC25BS/GRSC25PS Cap Rails and Corners

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



IMPORTANT INSTALLATION NOTE:
Always use Connector Sleeves made of the same metal as the Cap Rail, Cap Rail Corner, or Hand Rail metal to be joined.

CRL GRS Cap Railing Systems

CRL End Caps for Premium Square Cap Railings

- 316 Grade Stainless Steel
- Formed and Shaped to Fit, Ready to Install

CRL Premium Square End Caps easily slip into the Premium Square Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Standard stainless is 316 grade.

FOR 1-1/2" (38 MM) SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GRS15ECBS	316	Brushed Stainless	GRS15BS
GRS15ECPS	316	Polished Stainless	GRS15PS

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

FOR 2" (51 MM) SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GRS20ECBS	316	Brushed Stainless	GRS20BS
GRS20ECPS	316	Polished Stainless	GRS20PS

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



FOR 2-1/2" (64 MM) PREMIUM SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GRS25ECBS	316	Brushed Stainless	GRS25BS
GRS25ECPS	316	Polished Stainless	GRS25PS

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

CRL Stabilizing End Caps for Premium Square Cap Railings

- 316 Grade Stainless Steel
- Formed and Shaped to Fit

CRL Premium Square Stabilizing End Caps easily slip into our Premium Square Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Standard stainless is 316 grade. Includes: 1/4" x 2" (6 x 51 mm) Lag Screw with 1/4" 6 mm Nylon Spacer.

FOR 1-1/2" (38 MM) SQUARE CAP RAILING

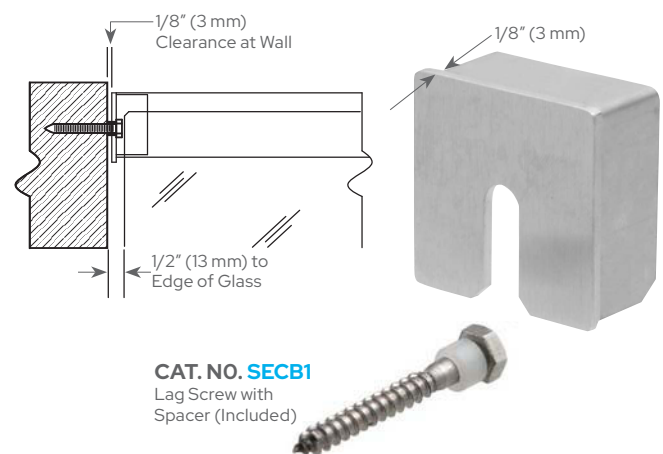
CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GRS15SECBS	316	Brushed Stainless	GRS15BS
GRS15SECPS	316	Polished Stainless	GRS15PS

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

FOR 2" (51 MM) SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GRS20SECBS	316	Brushed Stainless	GRS20BS
GRS20SECPS	316	Polished Stainless	GRS20PS

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



FOR 2-1/2" (64 MM) SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GRS25SECBS	316	Brushed Stainless	GRS25BS
GRS25SECPS	316	Polished Stainless	GRS25PS

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

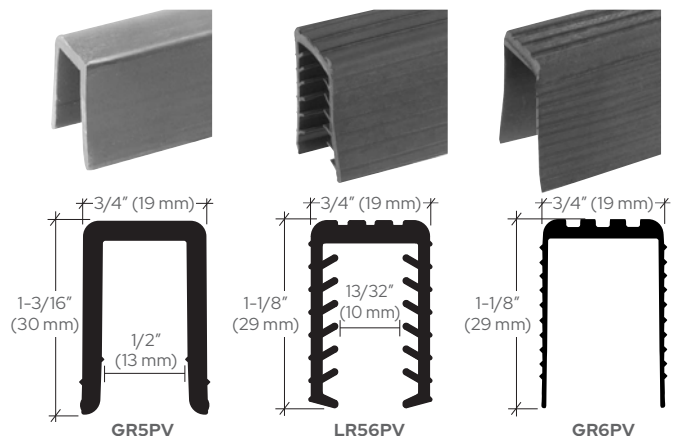
CRL Cap Rail Vinyl and Rubber Inserts

- For Use With 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) Glass
- Provide Protective Barrier Between Metal Cap and Glass
- Helps to Align Glass Panels During Installation
- Use 95CBL Silicone to secure the Rail Vinyl or Rubber inserts inside the pocket of the Cap Rail and also to the glass.

CAT. NO.	USE WITH	SOLD BY
GR5PV	1/2" (12 mm) Glass	120' (3.05 m) Length
LR56PV	9/16" (13.52 mm) Glass	100' (30.5 m) Roll*
GR6PV	5/8" (16 mm) Glass	100' (30.5 m) Roll*

Minimum order: 1 stock length. Sizes can be combined for quantity pricing. A Packing Charge will be added to orders of fewer than five combined lengths. Stock lengths longer than 108" (2.74 m) must ship common carrier, unless you specify we cut them for U.P.S. A Cutting Charge will apply.

*Minimum order: 1 roll (100 ft.).



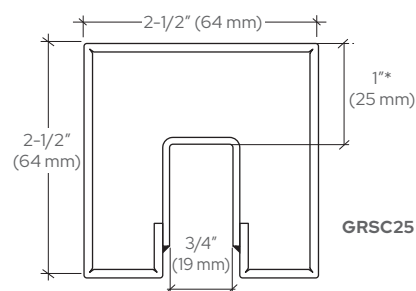
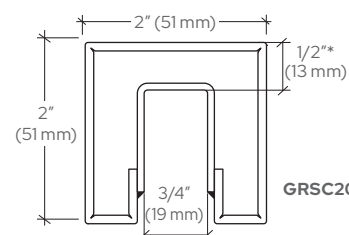
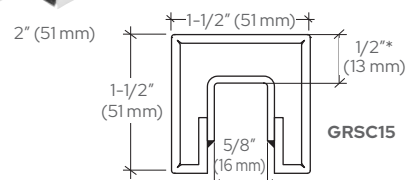
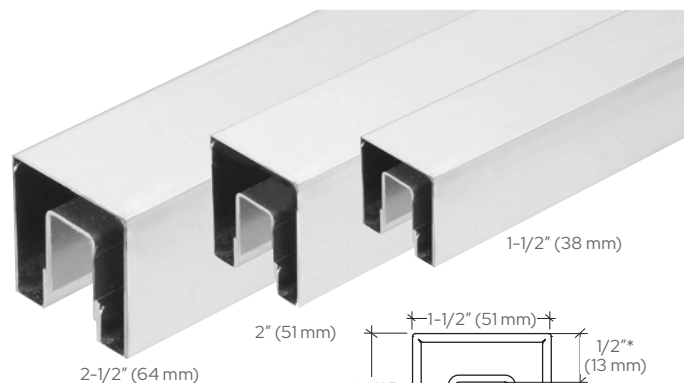
CRL GRS Cap Railing Systems

CRL Crisp Corner Square Cap Rails for 1/2", 9/16", and 5/8" (12, 13.52, and 16 mm) Glass

- 120" (3.05 m) Stock Lengths Available in Three Sizes and Two Architectural Finishes
- Compatible With Premium Corners
- Profiles Ranging From 1-1/2" (38 mm) to 2-1/2" (64 mm) in Size
- 304 Grade Stainless is Standard; 316 Grade Available on Special Order

CRL Crisp Corner Square Cap Rails are formed using precision tooling to maintain uniform profiles, allowing for smooth hairline transitions at splices, corners, and end caps. The internal channel is spot welded every 6" (152 mm) on both sides to increase strength and stability.

*This dimension is used to calculate the glass size. Add the clearance you desire or add an additional 1/8" (3 mm) if using Cap Rail Rubber Insert (see page 77).



1-1/2" (38 MM) CRISP CORNER SQUARE CAP RAIL IN 120" (3.05 M) LENGTHS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GRSC15BS	304	Brushed Stainless	.060" (1.5 mm)	GRSC15CSS
GRSC15PS	304	Polished Stainless	.060" (1.5 mm)	GRSC15CSS

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

NOTE: 1-1/2" (38 mm) Square Premium Cap Rail works only with 1/2" (12 mm) glass, secured with 95CBL Silicone and Shims.

2" (51 MM) CRISP CORNER SQUARE CAP RAIL IN 120" (3.05 M) LENGTHS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GRSC20BS	304	Brushed Stainless	.075" (2 mm)	GRSC20CSS
GRSC20PS	304	Polished Stainless	.075" (2 mm)	GRSC20CSS

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

2-1/2" (64 MM) CRISP CORNER SQUARE CAP RAIL IN 120" (3.05 M) LENGTHS

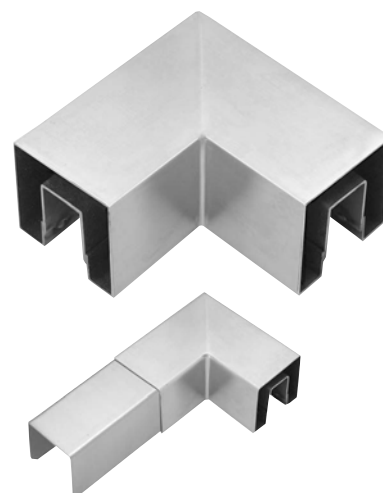
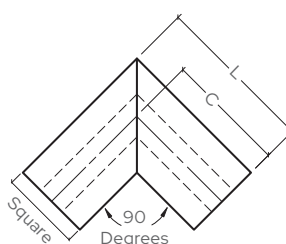
CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GRSC25BS	304	Brushed Stainless	.075" (2 mm)	GRSC25CSS
GRSC25PS	304	Polished Stainless	.075" (2 mm)	GRSC25CSS

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

CRL Crisp Corner Square 90 Degree Horizontal Corners for 1/2", 9/16", and 5/8" (12, 13.52, and 16 mm) Glass

- Crisp Corner Profile
- Welded and Finished

CRL Interior Slip-Fit Horizontal Corners for 1/2" (12 mm) to 5/8" (16 mm) thick glass allow for hairline joint assemblies with straight lengths of CRL Square Cap Rail. Use of our Cat. No. 32629 Metal Contact Cement is required to achieve a secure and permanent bond. Two Connector Sleeves are required for use with each corner.



FOR 1-1/2" (38 MM) CRISP SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GRSC15HBS	304	Brushed Stainless	L=3-3/4" (95 mm)
GRSC15HPS	304	Polished Stainless	C=3" (76 mm)

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

FOR 2" (51 MM) CRISP SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GRSC20HBS	304	Brushed Stainless	L=4" (102 mm)
GRSC20HPS	304	Polished Stainless	C=3" (76 mm)

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

IMPORTANT INSTALLATION NOTE:
Always use Connector Sleeves made of the same metal as the Cap Rail, Cap Rail Corner, or Hand Rail metal to be joined.

FOR 2-1/2" (64 MM) CRISP SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GRSC25HBS	304	Brushed Stainless	L=4-1/2" (114 mm)
GRSC25HPS	304	Polished Stainless	C=3-1/4" (83 mm)

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

CRL GRS Cap Railing Systems

CRL Crisp Corner Square 135 Degree Horizontal Corners for 1/2", 9/16", and 5/8" (12, 13.52, and 16 mm) Glass

- Crisp Corner Profile
- Ready to Install

FOR 1-1/2" (38 MM) CRISP SQUARE CAP RAILING

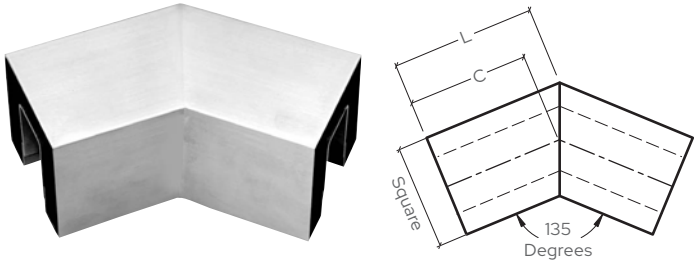
CAT. NO.	GRADE	FINISH	DIMENSIONS
GRSC15H3BS	304	Brushed Stainless	L=3-3/4" (95 mm)
GRSC15H3PS	304	Polished Stainless	C=3-7/16" (87 mm)

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

FOR 2" (51 MM) CRISP SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GRSC20H3BS	304	Brushed Stainless	L=2-3/4" (70 mm)
GRSC20H3PS	304	Polished Stainless	C=2-3/8" (60 mm)

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



FOR 2-1/2" (64 MM) CRISP SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GRSC25H3BS	304	Brushed Stainless	L=3" (76 mm)
GRSC25H3PS	304	Polished Stainless	C=2-1/2" (64 mm)

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

CRL Crisp Corner Square End Caps

- Formed and Shaped to Fit
- Crisp Corner Design
- 316 Grade Stainless Steel
- Ready to Install

FOR 1-1/2" (38 MM) CRISP CORNER SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GRSC15ECBS	316	Brushed Stainless	GRSC15BS
GRSC15ECPS	316	Polished Stainless	GRSC15PS

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

FOR 2" (51 MM) CRISP CORNER SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GRSC20ECBS	316	Brushed Stainless	GRSC20BS
GRSC20ECPS	316	Polished Stainless	GRSC20PS

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



FOR 2-1/2" (64 MM) CRISP CORNER SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GRSC25ECBS	316	Brushed Stainless	GRSC25BS
GRSC25ECPS	316	Polished Stainless	GRSC25PS

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

Formed and Shaped to Fit CRL Crisp Corner Square Stabilizing End Caps

- Crisp Corner Design
- 316 Grade Stainless Steel

CRL Stabilizing End Caps easily slip into our Crisp Corner Square Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Standard stainless is 316 grade. Includes: 1/4" x 2" (6 x 51 mm) Lag Screw with 1/4" (6 mm) Nylon Spacer.

FOR 1-1/2" (38 MM) CRISP CORNER SQUARE CAP RAILING

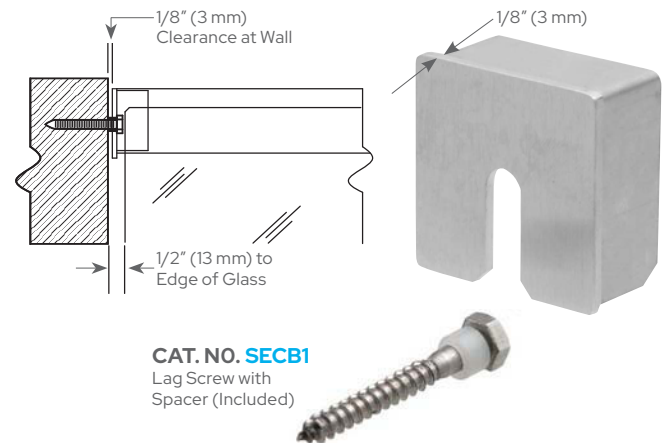
CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GRSC15SECBS	316	Brushed Stainless	GRSC15BS
GRSC15SECPS	316	Polished Stainless	GRSC15PS

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

FOR 2" (51 MM) CRISP CORNER SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GRSC20SECBS	316	Brushed Stainless	GRSC20BS
GRSC20SECPS	316	Polished Stainless	GRSC20PS

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



FOR 2-1/2" (64 MM) CRISP CORNER SQUARE CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GRSC25SECBS	316	Brushed Stainless	GRSC25BS
GRSC25SECPS	316	Polished Stainless	GRSC25PS

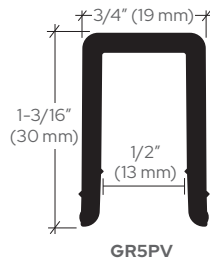
Minimum order: 1 each. All End Caps can be combined for quantity pricing.

CRL GRS Cap Railing Systems

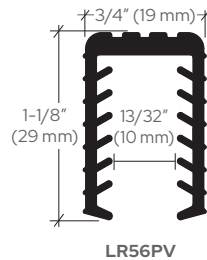
CRL Cap Rail Vinyl and Rubber Inserts

- Provide Protective Barrier Between Metal Cap and 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) Glass
- Works in Square, Low Profile, and Crisp Corner Low Profile 11 Gauge Cap Rails
- Flexible Black Rubber Provides Protective Barrier Between Metal Cap and Glass

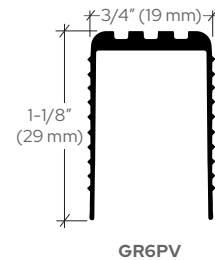
CRL Cap Rail Vinyl and Rubber Inserts are used with our Square, Low Profile, and Crisp Corner Low Profile 11 Gauge Cap Rails to securely attach the glass to metal. They are designed to center the glass and protect the edge of the glass when inserted into the rail.



GR5PV



LR56PV



GR6PV



CAT. NO.	MATERIAL	USE WITH	SOLD BY
GR5PV	Vinyl	1/2" (12 mm) Glass	120' (3.05 m) Lengths
LR56PV	Rubber	9/16" (13.52 mm) Glass	100' (30.5 m) Rolls*
GR6PV	Rubber	5/8" (16 mm) Glass	100' (30.5 m) Rolls*

Minimum order: 1 stock length. 120' (3.05 m) lengths must ship common carrier. A Packing Charge will be added to orders of fewer than five lengths. Can be combined with other Glass Protection Vinyls for quantity pricing.

*Minimum order: 1 roll. For GRS15 and GRS15 1-1/2" (38 mm) cap rails only.

CRL Loctite® Metal Contact Cement

- The Strength of an Epoxy and the Speed of an Instant Adhesive
- Permanently Bonds Cap Rails, Hand Rails, and Their Accessories With Superior Holding Power Up to 4,900 psi
- Offers Handling Strength as Quickly as 60 Seconds, Full Cure in 24 Hours

To permanently bond Metal Rails and their accessories we suggest this strong adhesive system from Loctite®. To best suit your assembly time frame. Use Cat. No. 7649 to activate in 60 seconds, 60% of full strength in two minutes, and a full cure in 24 hours.

CAT. NO.	DESCRIPTION	ACTIVATION	CONTENTS
32629	Metal Contact Cement	----	1.69 Fl. Oz. (50 ml)
7649	Primer for Metal Contact Cement	60 Seconds	1.75 Fl. Oz. (52 ml)

Minimum order: 1 each.



Cat. No. 7649
60 Second Primer

Cat. No. 32629
Cement

CRL 3M® Scotch-Brite® Hand Pads

- Cleans, Finishes, Blends, and Deburrs Metal
- Great for Touch Up and Refinishing Brushed Stainless Steel Railing Systems
- Two Grades Available



CRL 3M® Scotch-Brite® Commercial Hand Pads are for general purpose cleaning and scouring. High-quality synthetic fiber will not rust or corrode. Hand Pads measure 6" x 9" (152 x 229 mm) and 1/4" (6 mm) thick. The Fine Hand Pad is for surface conditioning. Perfect for cleaning, finishing, blending, and deburring for railing applications. The Coarse Hand Pad is for heavy-duty work. A high mineral content makes these pads cut fast to remove contaminants and oxides in your most demanding jobs. Comes one Hand Pad per pack.



CAT. NO.	DESCRIPTION	COLOR
SB7440C	Scotch-Brite® Coarse Hand Pad	Tan
SB7447F	Scotch-Brite® Fine Hand Pad	Maroon

Minimum order: 1 each.

CRL GRS Cap Railing Systems

CRL Extruded Aluminum Cap Rails for 1/2", 9/16", 5/8" or 3/4" (12, 13.52, 16 or 19 mm) Glass

- Connects to a Variety of Fabricated Corners and End Caps

CRL Extruded Aluminum Cap Rails are extruded from 6063-T6 grade, which is suitable for custom finishes such as anodizing, powder coating, etc. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond at all connections. Use Connector Sleeves (shown on page 99) to connect Cap Rails.

NOTE: Cat. No. GR5PV Cap Rail Vinyl (see page 96) and 95CBL Silicone (see page 37) should be used to secure 1/2" (12 mm) tempered glass; Cat. No. LR56PV Cap Rail Rubber Insert (see page 96) and 95CBL should be used to secure 9/16" (13.52 mm) laminated glass; Cat. No. GR6PV Cap Rail Rubber Insert (see page 96) and 95CBL Silicone should be used to secure 5/8" (16 mm) tempered glass; Cat. No. GR7PV Cap Rail Vinyl (see page 96) and 95CBL Silicone should be used to secure 3/4" (19 mm) tempered glass.

* This dimension is used to calculate the glass size. Add the clearance for Protective Rubber Insert or desired clearance required.

For 1/2, 9/16" or 5/8" (12, 13.52 or 16 mm) Glass

1.9" (48 MM) DIAMETER EXTRUDED ALUMINUM CAP RAIL IN 240" (6.10 M) LENGTHS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GR19M	6063-T6	Mill Aluminum	.125" (3 mm)	GR19CSM
GR19SA	6063-T6	Satin Anodized	.125" (3 mm)	GR19CSM
GR19DU	6063-T6	Dark Bronze Anodized	.125" (3 mm)	GR19CSM

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

2-1/2" (64 MM) DIAMETER EXTRUDED ALUMINUM CAP RAIL IN 240" (6.10 M) LENGTHS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GR25M	6063-T6	Mill Aluminum	.125" (3 mm)	GR25CSM
GR25SA	6063-T6	Satin Anodized	.125" (3 mm)	GR25CSM
GR25DU	6063-T6	Dark Bronze Anodized	.125" (3 mm)	GR25CSM

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

3" (76 MM) DIAMETER EXTRUDED ALUMINUM CAP RAIL IN 240" (6.10 M) LENGTHS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GR30M	6063-T6	Mill Aluminum	.125" (3 mm)	GR30CSM
GR30SA	6063-T6	Satin Anodized	.125" (3 mm)	GR30CSM
GR30DU	6063-T6	Dark Bronze Anodized	.125" (3 mm)	GR30CSM

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

3-1/2" (89 MM) DIAMETER EXTRUDED ALUMINUM CAP RAIL IN 240" (6.10 M) LENGTHS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GR35M	6063-T6	Mill Aluminum	.125" (3 mm)	GR35CSM
GR35SA	6063-T6	Satin Anodized	.125" (3 mm)	GR35CSM
GR35DU	6063-T6	Dark Bronze Anodized	.125" (3 mm)	GR35CSM

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

4" X 2-1/2" (102 X 64 MM) OVAL EXTRUDED ALUMINUM CAP RAIL IN 240" (6.10 M) LENGTHS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GROV4M	6063-T6	Mill Aluminum	.125" (3 mm)	GROV4CSM
GROV4SA	6063-T6	Satin Anodized	.125" (3 mm)	GROV4CSM
GROV4DU	6063-T6	Dark Bronze Anodized	.125" (3 mm)	GROV4CSM

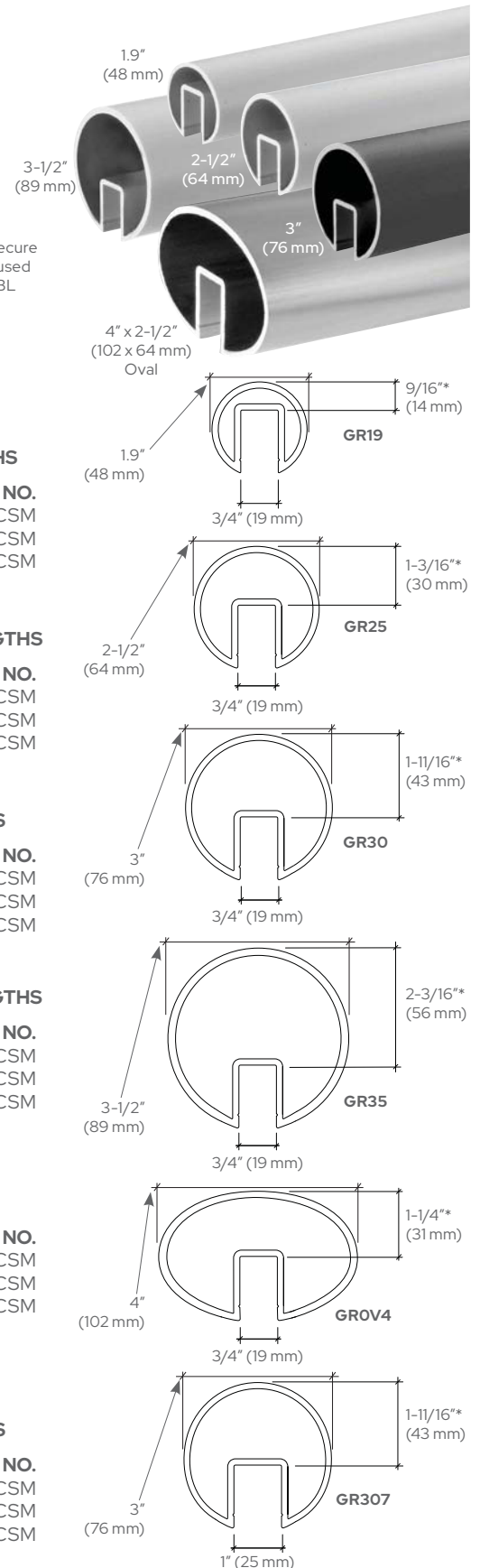
Minimum order: 1 each. Sizes and finishes can be combined for quantity pricing. Must ship common carrier.

For 3/4" (19 mm) Glass

3" (76 MM) DIAMETER EXTRUDED ALUMINUM CAP RAIL IN 240" (6.10 M) LENGTHS

CAT. NO.	GRADE	FINISH	THICKNESS	USE SLEEVE NO.
GR307M	6063-T6	Mill Aluminum	.125" (3 mm)	GR30CSM
GR307SA	6063-T6	Satin Anodized	.125" (3 mm)	GR30CSM
GR307DU	6063-T6	Dark Bronze Anodized	.125" (3 mm)	GR30CSM

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

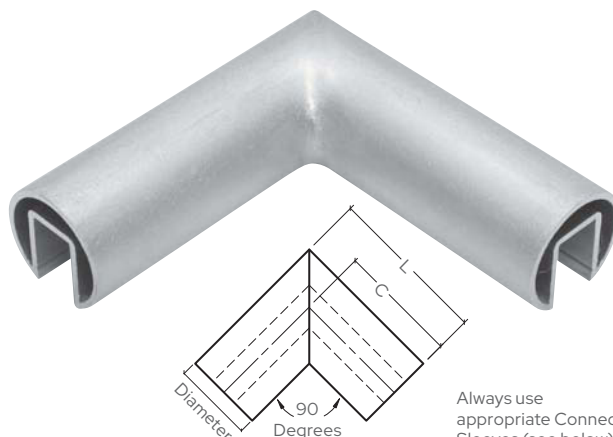


CRL GRS Cap Railing Systems

CRL Extruded Aluminum Cap Railings 90 Degree Horizontal Corners for 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) Glass

- Welded and Ready to Paint
- 6063-T6 Grade Mill Aluminum
- Requires Two Connector Sleeves (Not Included)
- 135 Degree and Vertical Corners Are Also Available
- Go to crlaurence.com

Interior slip-fit Horizontal Corners for 1/2", 9/16", or 5/8" (12, 13.52, or 16 mm) thick glass allow for hairline joint assemblies with straight lengths of CRL Mill Aluminum Cap Rail. Use our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96).



Always use appropriate Connector Sleeves (see below).
See page 96 for Vinyl and Rubber Inserts.

FOR 1.9" (48 MM) DIAMETER ALUMINUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR19HM	6063-T6	Mill Aluminum	L=6" (152 mm) C=5-1/16" (129 mm)

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

FOR 2-1/2" (64 MM) DIAMETER ALUMINUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR25HM	6063-T6	Mill Aluminum	L=6" (152 mm) C=4-3/4" (121 mm)

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

FOR 3" (76 MM) DIAMETER ALUMINUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR30HM	6063-T6	Mill Aluminum	L=6" (152 mm) C=4-1/2" (114 mm)

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

FOR 3-1/2" (89 MM) DIAMETER ALUMINUM CAP RAILING

CAT. NO.	GRADE	FINISH	DIMENSIONS
GR35HM	6063-T6	Mill Aluminum	L=6" (152 mm) C=4-1/4" (108 mm)

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

FOR 4" X 2-1/2" (102 X 64 MM) OVAL ALUMINUM CAP RAILING

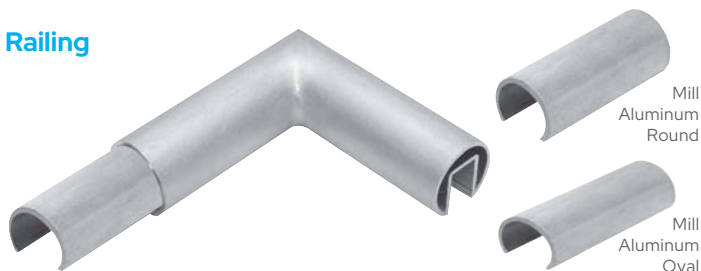
CAT. NO.	GRADE	FINISH	DIMENSIONS
GROV4HM	6063-T6	Mill Aluminum	L=6" (152 mm) C=4" (102 mm)

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

CRL Connector Sleeves for Extruded Aluminum Cap Railing

- Formed, Shaped to Fit, and Ready to Install
- Provides Proper Alignment at Splices

Connector Sleeves are 5" (127 mm) long, and must be compressed to fit inside the Aluminum Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond.



FOR 1.9" (48 MM) DIAMETER ROUND ALUMINUM CAP RAILING

CAT. NO.	MATERIAL	FOR USE WITH
GR19CSM	Mill Aluminum	GR19M/GR19SA/GR19DU Cap Rails and all 1.9" (48 mm) Aluminum Cap Rail Corners

FOR 2-1/2" (64 MM) DIAMETER ROUND ALUMINUM CAP RAILING

CAT. NO.	MATERIAL	FOR USE WITH
GR25CSM	Mill Aluminum	GR25M/GR25SA/GR25DU Cap Rails and all 2-1/2" (64 mm) Aluminum Cap Rail Corners

FOR 3" (76 MM) DIAMETER ROUND ALUMINUM CAP RAILING

CAT. NO.	MATERIAL	FOR USE WITH
GR30CSM	Mill Aluminum	GR30M/GR30SA/GR30DU Cap Rails and all 3" (76 mm) Aluminum Cap Rail Corners GR307M/GR307SA/GR307DU Cap Rails and all 3" (76 mm) Aluminum Cap Rail Corners

FOR 3-1/2" (89 MM) DIAMETER ROUND ALUMINUM CAP RAILING

CAT. NO.	MATERIAL	FOR USE WITH
GR35CSM	Mill Aluminum	GR35M/GR35SA/GR35DU Cap Rails and all 3-1/2" (89 mm) Aluminum Cap Rail Corners

FOR 4" X 2-1/2" (102 X 64 MM) OVAL ALUMINUM CAP RAILING

CAT. NO.	MATERIAL	FOR USE WITH
GROV4CSM	Mill Aluminum	GROV4M/GROV4SA/GROV4DU Cap Rails and all 4" x 2-1/2" (102 x 64 mm) Aluminum Corners

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

CRL GRS Cap Railing Systems

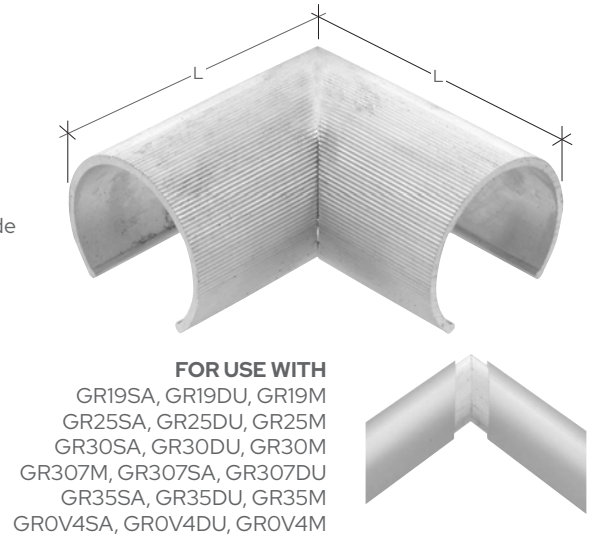
CRL 90 Degree Horizontal Internal Splice Sleeves for Extruded Aluminum Cap Railing

- Internal Sleeves for Satin Anodized or Dark Bronze Anodized Applications
- Provides Proper Alignment for Extruded Aluminum Cap Railing at Splice Locations
- Custom Angles Are Also Available

CRL 90 Degree Horizontal Internal Splice Sleeves are used to connect and provide proper alignment between our Extruded Aluminum Cap Rails. The Splice Sleeves must be compressed to fit inside the Top Cap. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond at all connections.

CAT. NO.	SPLICE SLEEVES FOR	"L" LENGTH
1S1990M	1.9" (48 mm) Cap Rail	4" (102 mm)
1S2590M	2-1/2" (64 mm) Cap Rail	4" (102 mm)
1S3090M	3" (76 mm) Cap Rail	4" (102 mm)
1S3590M	3-1/2" (89 mm) Cap Rail	5" (127 mm)
1SOV490M	4" x 2-1/2" (102 x 64 mm) Oval Cap Rail	5" (127 mm)

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



FOR USE WITH
 GR19SA, GR19DU, GR19M
 GR25SA, GR25DU, GR25M
 GR30SA, GR30DU, GR30M
 GR307M, GR307SA, GR307DU
 GR35SA, GR35DU, GR35M
 GROV4SA, GROV4DU, GROV4M

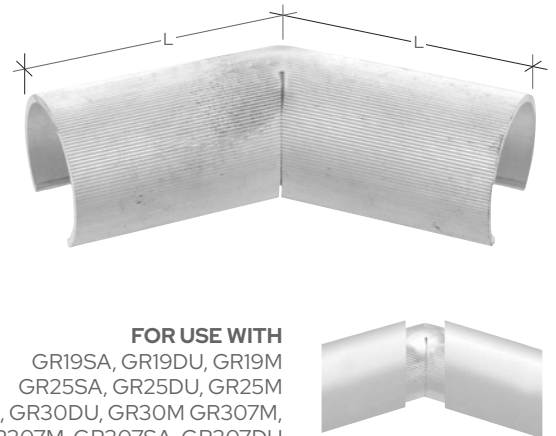
CRL 135 Degree Horizontal Internal Splice Sleeves for Extruded Aluminum Cap Railing

- Internal Sleeves for Satin Anodized or Dark Bronze Anodized Applications
- Provides Proper Alignment for Extruded Aluminum Cap Railing at Splice Locations
- Custom Angles Are Also Available

CRL 135 Degree Horizontal Internal Splice Sleeves are used to connect and provide proper alignment between our Extruded Aluminum Cap Rails. The Splice Sleeves must be compressed to fit inside the Top Cap. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond at all connections.

CAT. NO.	SPLICE SLEEVES FOR	"L" LENGTH
1S19135M	1.9" (48 mm) Cap Rail	4" (102 mm)
1S25135M	2-1/2" (64 mm) Cap Rail	4" (102 mm)
1S30135M	3" (76 mm) Cap Rail	4" (102 mm)
1S35135M	3-1/2" (89 mm) Cap Rail	5" (127 mm)
1SOV4135M	4" x 2-1/2" (102 x 64 mm) Oval Cap Rail	5" (127 mm)

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



FOR USE WITH
 GR19SA, GR19DU, GR19M
 GR25SA, GR25DU, GR25M
 GR30SA, GR30DU, GR30M GR307M,
 GR307M, GR307SA, GR307DU
 GR35SA, GR35DU, GR35M
 GROV4SA, GROV4DU, GROV4M

CRL 90 Degree Vertical Internal Splice Sleeves for Extruded Aluminum Cap Railing

- Internal Sleeves for Satin Anodized or Dark Bronze Anodized Applications
- Provides Proper Alignment for Extruded Aluminum Cap Railing at Splice Locations
- Custom Angles Are Also Available

CRL 90 Degree Vertical Internal Splice Sleeves are used to connect and provide proper alignment between our Extruded Aluminum Cap Rails. The Splice Sleeves must be compressed to fit inside the Top Cap. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond at all connections.

CAT. NO.	SPLICE SLEEVES FOR	"L" LENGTH
1S19V90M	1.9" (48 mm) Cap Rail	4" (102 mm)
1S25V90M	2-1/2" (64 mm) Cap Rail	4" (102 mm)
1S30V90M	3" (76 mm) Cap Rail	4" (102 mm)
1S35V90M	3-1/2" (89 mm) Cap Rail	5" (127 mm)
1SOV4V90M	4" x 2-1/2" (102 x 64 mm) Oval Cap Rail	5" (127 mm)

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



FOR USE WITH
 GR19SA, GR19DU, GR19M
 GR25SA, GR25DU, GR25M
 GR30SA, GR30DU, GR30M
 GR307M, GR307SA, GR307DU
 GR35M, GR35SA, GR35DU
 GROV4SA, GROV4DU, GROV4M

CRL GRS Cap Railing Systems

CRL End Caps for Extruded Aluminum Cap Railing

- Available in Three Finishes
- Formed and Shaped to Fit
- Ready to Install

FOR 1.9" (48 MM) DIAMETER ALUMINUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR19ECM	6063-T6	Mill Aluminum	GR19M
GR19ECSA	6063-T6	Satin Anodized	GR19SA
GR19ECDU	6063-T6	Dark Bronze Anodized	GR19DU

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

FOR 2-1/2" (64 MM) DIAMETER ALUMINUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR25ECM	6063-T6	Mill Aluminum	GR25M
GR25ECSA	6063-T6	Satin Anodized	GR25SA
GR25ECDU	6063-T6	Dark Bronze Anodized	GR25DU

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

FOR 3" (76 MM) DIAMETER ALUMINUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR30ECM	6063-T6	Mill Aluminum	GR30M
GR30ECSA	6063-T6	Satin Anodized	GR30SA
GR30ECDU	6063-T6	Dark Bronze Anodized	GR30DU

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

CRL Stabilizing End Caps for Extruded Aluminum Cap Railing

- Available in Three Finishes
- Formed and Shaped to Fit
- Ready to Install

CRL Stabilizing End Caps easily slip into our Aluminum Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond. Includes: 1/4" (6 mm) x 2" (51 mm) Lag Screw with 1/4" (6 mm) Nylon Spacer.

NOTE: Each Stabilizing End Cap is supplied with a set of installation instructions.

FOR 1.9" (48 MM) DIAMETER ALUMINUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR19SECM	6063-T6	Mill Aluminum	GR19M
GR19SECSA	6063-T6	Satin Anodized	GR19SA
GR19SECDU	6063-T6	Dark Bronze Anodized	GR19DU

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

FOR 2-1/2" (64 MM) DIAMETER ALUMINUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR25SECM	6063-T6	Mill Aluminum	GR25M
GR25SECSA	6063-T6	Satin Anodized	GR25SA
GR25SECDU	6063-T6	Dark Bronze Anodized	GR25DU

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

FOR 3" (76 MM) DIAMETER ALUMINUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR30SECM	6063-T6	Mill Aluminum	GR30M
GR30SECSA	6063-T6	Satin Anodized	GR30SA
GR30SECDU	6063-T6	Dark Bronze Anodized	GR30DU

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



CRL End Caps easily slip into the Aluminum Cap Railing. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 96) is required to achieve a secure and permanent bond.

FOR 3-1/2" (89 MM) DIAMETER ALUMINUM CAP RAILING

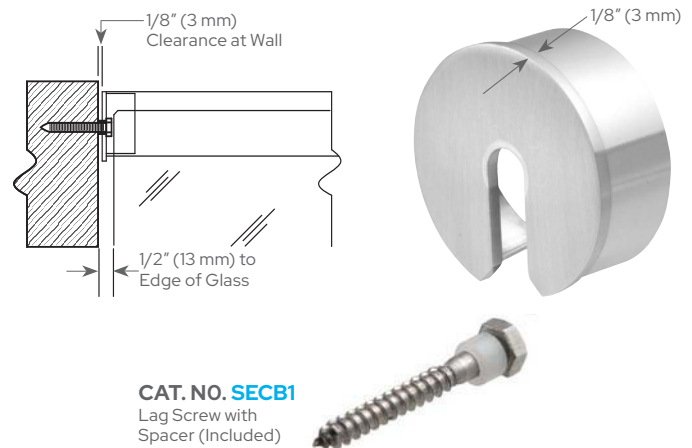
CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR35ECM	6063-T6	Mill Aluminum	GR35M
GR35ECSA	6063-T6	Satin Anodized	GR35SA
GR35ECDU	6063-T6	Dark Bronze Anodized	GR35DU

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

FOR 4" X 2-1/2" (102 X 64 MM) OVAL ALUMINUM CAP RAILING

CAT. NO.	GRADE	FINISH	FITS CAP RAIL NO.
GR0V4ECM	6063-T6	Mill Aluminum	GR0V4M
GR0V4ECSA	6063-T6	Satin Anodized	GR0V4SA
GR0V4ECDU	6063-T6	Dark Bronze Anodized	GR0V4DU

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

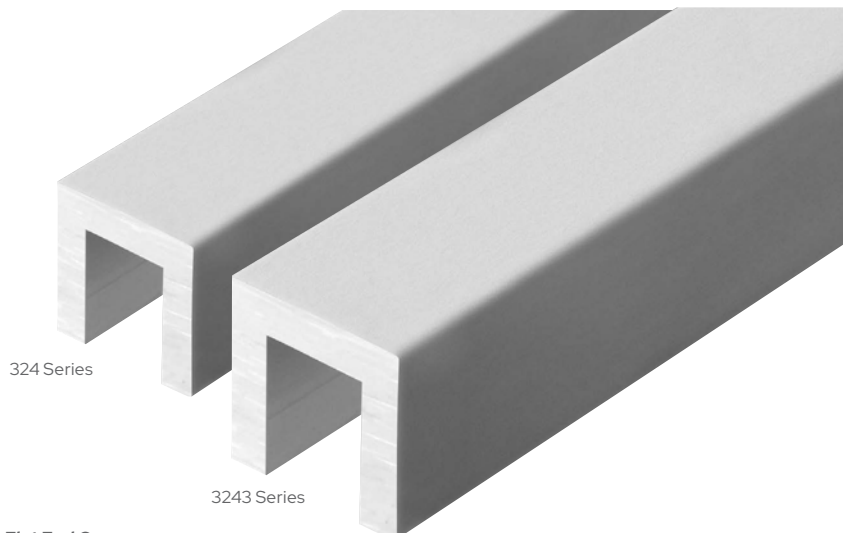


CRL Blumcraft® GRS Cap Railing Systems

CRL Blumcraft® 324, and 3243, Series Extruded Aluminum Cap Rails

- Extruded Heavy-Duty Solid Aluminum Construction Models for 1/2" and 3/4" (12 and 19 mm) Monolithic Tempered Glass
- Ready to Install
- Two Architectural Finishes, Plus Mill Aluminum Available From Stock
- Sold in 120" (3.05 m) Stock Lengths or Custom Fabricated to Size
- Stainless Steel Adapter Strips Sold Separately (See Page 102)

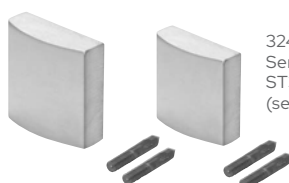
CRL Blumcraft top quality Extruded Cap Rails are produced from 6063-T5 aluminum and offered in two architectural finishes, plus mill aluminum. Cap Rails are sold in stock lengths or can be custom fabricated to size. The use of Stainless Steel Adapter Strips, Very High Bond Tape, and Splice Pins are required during the installation process (see page 102). When using CRL Blumcraft 324, and 3243 Series Cap Rails, it is important to install the Stainless Steel Adapter Strips onto the glass edge with Very High Bond Tape before installing your Cap Rail (see page 102 for more information).



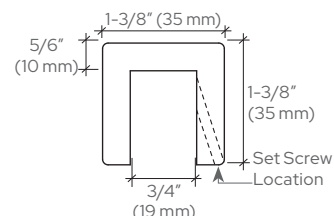
324 Series

3243 Series

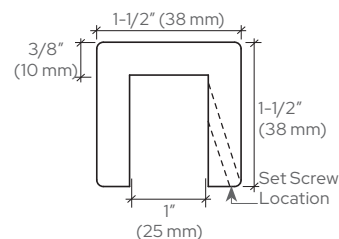
Flat End Caps



324, and 3243 Series Cap Rails use ST302 Adapter Strips (see page 102).



324 Series Cap Rail



3243 Series Cap Rail

324 SERIES ALUMINUM CAP RAIL FOR 1/2" (12 MM) GLASS IN 120" (3.05 M) LENGTHS

CAT. NO.	GRADE	FINISH	USE ADAPTER STRIP NO.	USE SPLICE PIN NO.
324SA	6063-T5	Satin Anodized	ST302	22A58
324DU	6063-T5	Dark Bronze Anodized	ST302	22A58
324M	6063-T5	Mill Aluminum	ST302	22A58

Minimum order: 1 each. All Aluminum Cap Rail can be combined for quantity pricing. Must ship common carrier.

3243 SERIES ALUMINUM CAP RAIL FOR 3/4" (19 MM) GLASS IN 120" (3.05 M) LENGTHS

CAT. NO.	GRADE	FINISH	USE ADAPTER STRIP NO.	USE SPLICE PIN NO.
3243SA	6063-T5	Satin Anodized	ST302	22A58
3243DU	6063-T5	Dark Bronze Anodized	ST302	22A58
3243M	6063-T5	Mill Aluminum	ST302	22A58

Minimum order: 1 each. All Aluminum Cap Rail can be combined for quantity pricing. Must ship common carrier.

CRL Blumcraft® Decorative Flat End Caps for Aluminum Cap Rails

- Formed and Shaped to Fit, Ready to Install
- Available in Two Architectural Finishes, Plus Mill Aluminum

FOR 324 SERIES 1-3/8" (35 MM) SQUARE CAP RAILS

CAT. NO.	FINISH	FITS CAP RAIL NO.
324ECSA	Satin Anodized	324SA
324ECDU	Dark Bronze Anodized	324DU
324ECM	Mill Aluminum	324M

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

FOR 3243 SERIES 1-1/2" (38 MM) SQUARE CAP RAILS

CAT. NO.	FINISH	FITS CAP RAIL NO.
3243ECSA	Satin Anodized	3243SA
3243ECDU	Dark Bronze Anodized	3243DU
3243ECM	Mill Aluminum	3243M

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



324 Series

3243 Series

CRL Blumcraft's Decorative Flat End Caps for Aluminum Cap Rails are cut to size and are ready to install. Measuring 1/2" (13 mm) thick, these End Caps are designed to be mechanically installed to CRL Blumcraft Aluminum Cap Rails. Mounting studs and set screws are included.

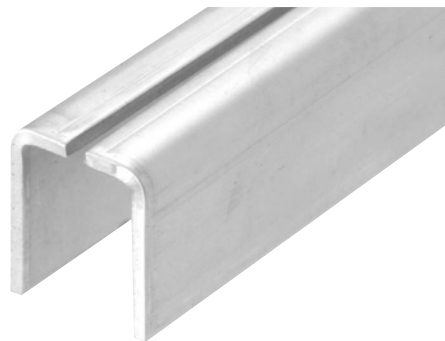
CRL Blumcraft® GRS Cap Railing Systems

CRL Blumcraft® Stainless Steel Adapter Strips

- Provides Secure Fit Between Glass and Cap Rail
- Sets Are 48" (1.22 m) Long, and Install With CRL's AT234 Cladding Tape (Sold Separately, See Below)
- 48" Long (1.2 m) Sets

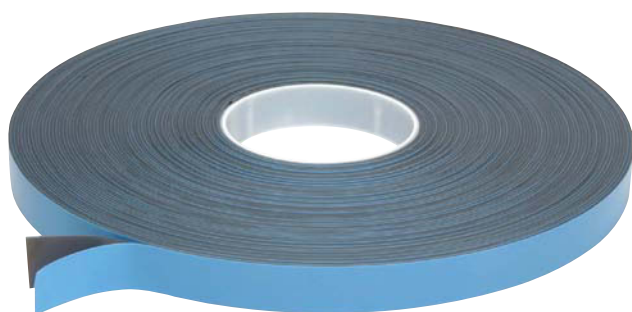


Adapter Strips shown between glass and Extruded Cap Rail.



CAT. NO.	DESCRIPTION	FOR USE WITH
ST302	48" (1.22 m) Adapter Strips 2 Per Set	324, 3243, Series Cap Rails

Minimum order: 1 set. All Adapter Strips can be combined for quantity pricing.



CRL Cladding Tape

- Pressure Sensitive High-Strength Adhesive With Tenacious Holding Power

Our AT234 Cladding Tape is made of a high strength gray acrylic foam with a high tack adhesive for a permanent, secure bond.

CAT. NO.	THICKNESS	WIDTH ROLL	LENGTH
AT234	.045" (1.143 mm)	3/4" (19 mm)	108' (33 m)

Minimum order: 1 roll.



CRL Blumcraft® Splice Pin Set

- 304 Grade Stainless Steel Pins Designed for Use With Blumcraft's Extruded Aluminum Cap and Hand Rails
- Provides Alignment and Secure Joining at Splice Locations

CAT. NO.	DESCRIPTION
22A58	Stainless Steel Splice Pin Set

Minimum order: 1 set.

NOTE: Set screws require an 1/8" hex key (not included).



Each Set Consists of 2 each Splice Pins 10-24 x 1/2" 1-5/16" (33 mm) Overall Length 2 each Set Screws 8-32 x 3/8"



CRL Blumcraft® Replacement Cap Rail Set Screws

- For Use With Blumcraft's Aluminum Cap Rails
- 304 Grade Stainless Steel
- Hold Cap Rails Securely to Adapter Strips

CAT. NO.	DESCRIPTION
AS10241	10-24 x 1/2" Set Screws

Minimum order: 10 each. Must be ordered in increments of 10.



FOR USE WITH
324, 3243, Cap Rails



CRL Led Lighting For Cap Railings

CRL LED Lighting Components

- Ideal for Edge Lighting of Glass Panels
- Illuminates Carved or Sandblasted Images
- Meets NFPA Life Safety Code for Illumination
- 50,000 Hour LED Life
- Low Voltage - Low Maintenance
- 4.3 Watts Per Foot



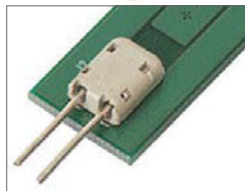
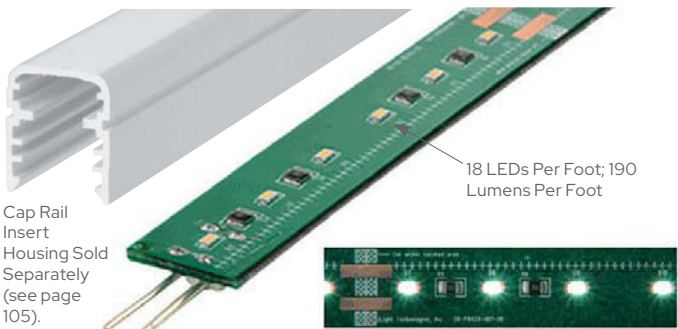
CRL LED Strip Lights

- Low Voltage Lighting Available in Five Stock Sizes
- 110 Degree Beam Pattern with Diffuser Lens
- Cool White: 6500 Degree Operating Kelvin Temperature
- Warm White: 3500 Degree Operating Kelvin Temperature

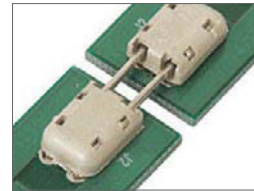
CRL LED Strip Lights have 18 LEDs per foot, which are spaced 3/4" (19 mm) on center. Available in stock lengths from 24" to 72" (610 to 1829 mm), they can be cut down every 4" (102 mm) on a pre-marked line, and connected together for longer applications. Cool White has a blue hue or appearance, while the Warm White has a more traditional yellow hue. CRL LED Strip Lights work with our Low Voltage Driver and Enclosure Box (see below). They do not come with a plug.

WARM WHITE	COOL WHITE	STRIP LENGTH
CAT. NO.	CAT. NO.	
LED24WW	LED24CW	24" (610 mm)
LED36WW	LED36CW	36" (914 mm)
LED48WW	LED48CW	48" (1219 mm)
LED60WW	LED60CW	60" (1524 mm)
LED72WW	LED72CW	72" (1829 mm)

Minimum order: 1 each.



Insert Pins



Mate to Adjoining Light Strip

CRL Low Voltage LED Driver/Dimmer

- 100W 24V Driver Provides 24V DC
- For Dry and Damp Locations
- Powers Up to 20'-0" of Lighting With CRL's 14 Gauge Wire

The CRL Low Voltage LED Driver/Dimmer converts 120/240 Volt AC into low voltage DC power. These solid-state units have special circuitry to provide only the voltage and current demand required by the LEDs with dimming wiring and capabilities built in. Dimmer Switch not included. See instructions for more details. (Recommended to be installed by qualified electrician).

CAT. NO.	DESCRIPTION
PT10024	100 Watt - 24 Volt DC LED Driver/Dimmer

Minimum order: 1 each.

CRL LED Driver Enclosure Box

- Nema 3R Screw Cover Rain Proof Box
- Holds Up to Two LED Drivers
- Designed for Interior and Exterior Use



This Driver Enclosure Box is made of steel and painted gray. It has plenty of room to accommodate two of the LED Drivers shown at left. It prevents tampering and protects the Drivers.

CAT. NO.	DESCRIPTION
EJ1084	LED Driver Enclosure Box

Minimum order: 1 each.

CRL Led Lighting For Cap Railings



CRL LED Lead Wire

- 14 Gauge Stranded Black Vinyl Coated Wire for Connections Between LED Drivers and LED Lighting
- 50 Foot Rolls Available From Stock

50 Foot (15.2 m) rolls of LED Lead Wire are standard 14 Gauge.

CAT. NO. LEDLW1

Minimum order is one roll.



CRL Jumper Wires

- 18 Gauge Wiring for Connecting/ Bridging LED Light Strips Together
- Available in Three Lengths

CAT. NO.

LEDWR12
LEDWR10
LEDWR50

Minimum order: 1 each.

DESCRIPTION

12" (305 mm) 18 Gauge Jumper Wire
10' (3 m) 18 Gauge Jumper Wire
50' (15.2 m) 18 Gauge Jumper Wire

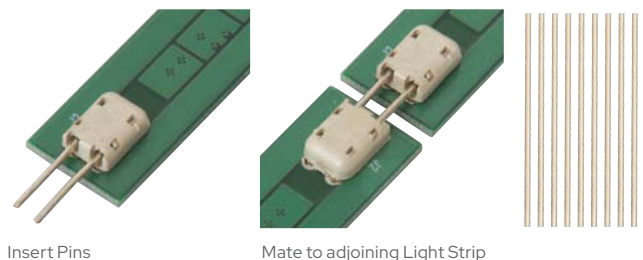


CRL Silicone Based Wire Nuts

- Wire Nuts Used for LED Wiring Connections
- Wire Nuts are sold in packs of 10 each.

CAT. NO. LEDWN1

Minimum order: 1 pack.



Insert Pins

Mate to adjoining Light Strip

CRL Jumper Pins

- Designed for Connecting/Bridging LED Light Strips
- Easy to Install

Jumper Pins come in packs of 10 Pins.

CAT. NO. LEDJP1

Minimum order: 1 pack.

CRL Led Lighting For Cap Railings

CRL Cap Rail Housing Insert for Glass Panel Edge Lighting

- For Use With CRL Cap Rails When Edge Lighting Glass Panels
- Installs With CRL 95C Silicone and Housing Shims (See Below)

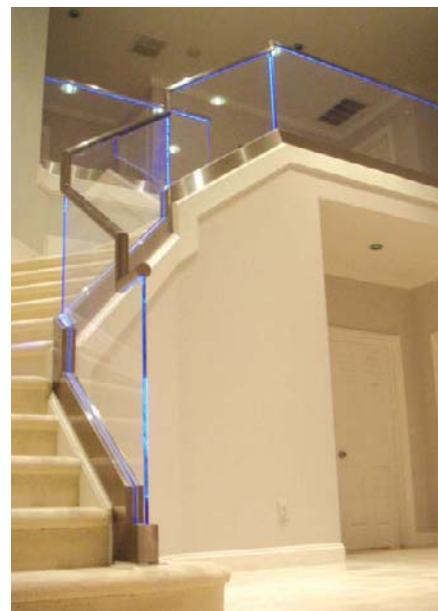
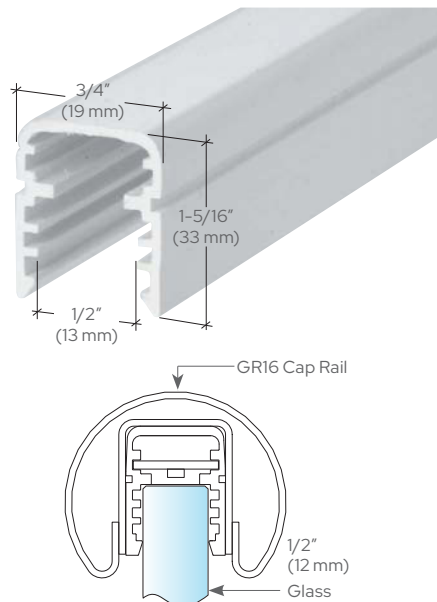
This CRL Cap Rail Housing Insert slips over the 1/2" (12 mm) glass panel and provides a protected securing channel for the glass. It also has a slot for the LED Light Strip and an insulated wire raceway behind the LED Light Strip. Permanent securing is achieved by applying a bead of Cat. No. 95CBL Black Silicone (see page 37) in the pocket on either side of the glass. LED Strip Lights must be ordered separately (see page 103).

INSERT ONLY

CAT. NO.
LEDCR6

LENGTH
72" (1829 mm)

Minimum order: 1 each.



CRL LED Housing Mounting Clip

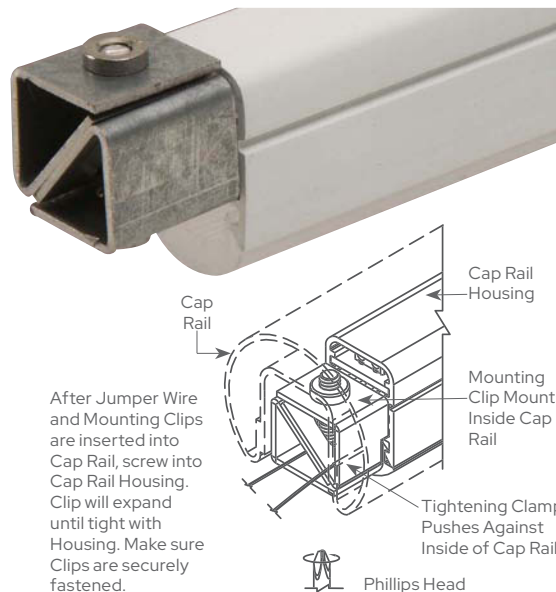
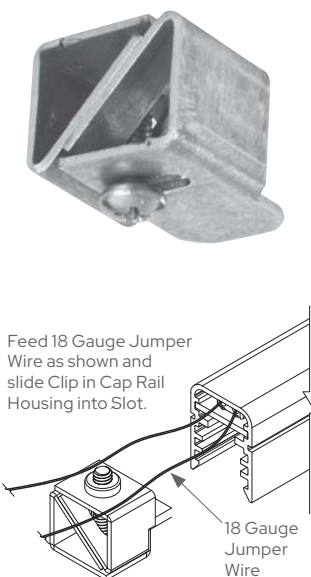
- Installs at Each End to Wedge Housing Into the Cap Rail
- For Use with CRL Cap Rails When Edge Lighting Glass Panels

This CRL Cap Rail Housing Insert slips over the 1/2" (12 mm) glass panel and provides a protected securing channel for the glass. It also has a slot for the LED Light Strip and an insulated wire raceway behind the LED Light Strip. Permanent securing is achieved by applying a bead of Cat. No. 95CBL Black Silicone in the pocket on either side of the glass. LED Strip Lights must be ordered separately.

CAT. NO.
LEDMC1

DESCRIPTION
LED Housing Mounting Clip

Minimum order is one pack. 10 Clips per pack.
Cap Rail Housing Sold Separately (see above).



CRL LED Housing Shim Pack

- Helps Hold Cap Rail Housing in Position During Installation

Insert Cap Rail with completed Cap Rail Housing and LED Strip Lights onto glass. Glass enters base of Cap Rail Housing and stops at interior housing tabs.

NOTE: If loose after glass insertion, cut LED Housing Shims to size and insert between glass and housing.

CAT. NO.
LEDST1

DESCRIPTION
LED Housing Shim Pack

Minimum order is one pack. 10 Shims per pack.



Insert Shims for Secure Fit

CRL SRS Standoff Railing System



Adjustable Standoff Railing System

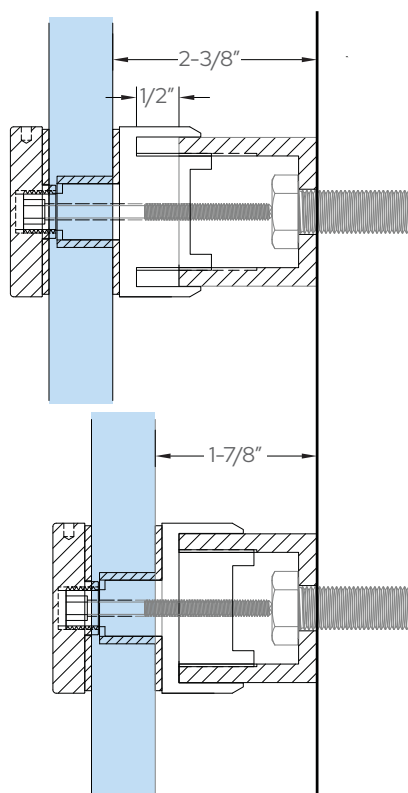
- Concealed Threads Produce a Clean and Streamlined Look
- Low-Profile Hardware Creates All-Glass Visuals
- Up to 1/2" Glass Projection Adjustment for Precise Alignment
- For 3/4" (19 mm) to 27/32" (21 mm) Monolithic or Laminated Tempered Glass
- Matte Black, Brushed Stainless, and Polished Stainless Finishes
- Maximum Glass Heights Apply (See Glass Height Limitations Chart)

CRL's new Adjustable Standoff Railing System enhances versatility and function to give glass professionals greater control when installing glass railings. Its unique modifiable feature allows up to 1/2" of glass projection adjustment for precise glass alignment while concealing the threads. Crafted from durable 316 stainless steel, Adjustable Standoffs are built to withstand the test of time. Because of their low-profile design, standoffs provide beautiful all-glass aesthetics and preserve exterior views.

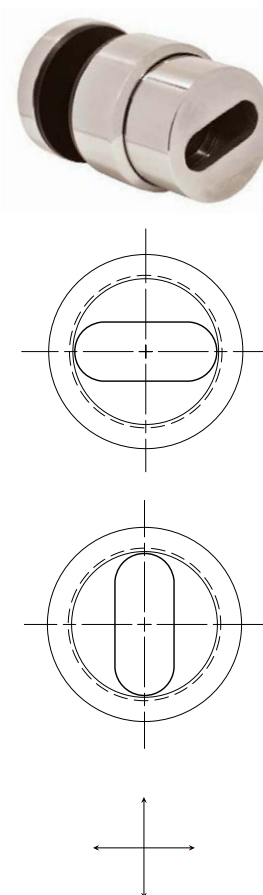
CAT. NO.	GRADE	FINISH
RSOB2XMBL	316	Matte Black
RSOB2XBS	316	Brushed Stainless
RSOB2XPS	316	Polished Stainless

Minimum order: one each.

Glass Projection



Base Adjustability



Slot at base of standoff allows X & Y adjustability.



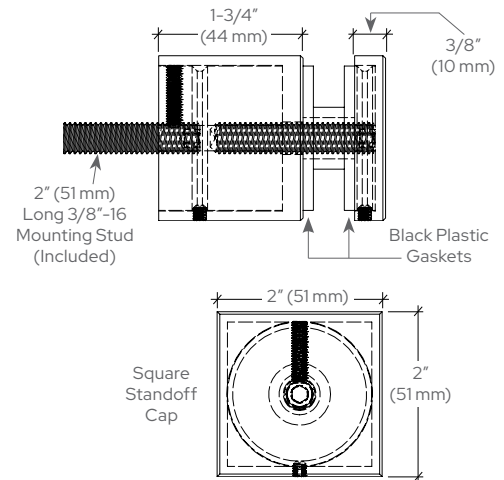
INSTALLATION VIDEO

CRL SRS Standoff Railing System

CRL Point Supported Square Standoff Base and Cap

- 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 SentryGlas® Interlayer
- 316 Grade Stainless Steel

These heavy-duty CRL Glass Rail Stand-off Base and Caps work with hand or guard railings. The standoff fitting is 2" (51 mm) square with a 1-3/4" (44.5 mm) base. It comes with a 3/8"-16 x 2" Allen stud for mounting to steel, along with necessary gaskets and grommet. Use our Cat. No. SSW12 Spanner Wrench to tighten the cap. Fabricated with 316 grade stainless steel in brushed or polished finishes.



SPECIFICATIONS:

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 SentryGlas® Interlayer (Do not use with raw or annealed glass)

Glass Fabrication: One 3/4" (19 mm) Diameter Hole Per Fitting.

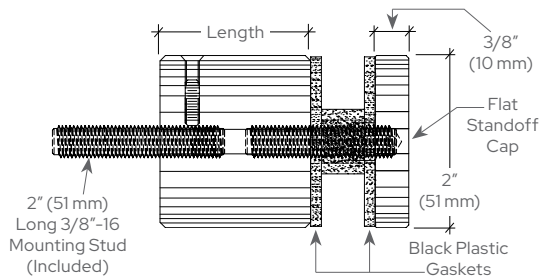
Spacing: Maximum horizontal spacing between fittings depends on its use and mounting conditions. The minimum height spacing is 4" (102 mm) center-to-center. Full engineering reports are available at crlaurence.com.

CAT. NO.	LENGTH	GRADE	FINISH
SSOB2134BS	1-3/4" (44 mm)	316	Brushed Stainless
SSOB2134PS	1-3/4" (44 mm)	316	Polished Stainless
SSOB2134MBL	1-3/4" (44 mm)	316	Matte Black

Minimum order: 1 each. All Point Supported Standoffs can be combined for quantity pricing.

CRL Point Supported Standoff Base and Flat Cap

- 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 SentryGlas® Interlayer
- 316 Grade Stainless Steel



SPECIFICATIONS:

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 SentryGlas® Interlayer (Do not use with raw or annealed glass)

Glass Fabrication: One 3/4" (19 mm) Diameter Hole Per Fitting.

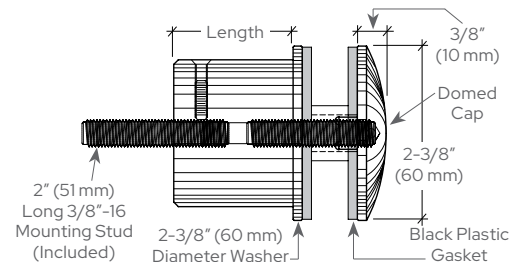
Spacing: Maximum horizontal spacing between fittings depends on its use and mounting conditions. The minimum height spacing is 4" (102 mm) center-to-center. Full engineering reports are available at crlaurence.com.

CAT. NO.	LENGTH	GRADE	FINISH
RSOB21BS	1" (25 mm)	316	Brushed Stainless
RSOB21PS	1" (25 mm)	316	Polished Stainless
RSOB21MBL	1" (25 mm)	316	Matte Black
RSOB2134BS	1-3/4" (44 mm)	316	Brushed Stainless
RSOB2134PS	1-3/4" (44 mm)	316	Polished Stainless
RSOB2134MBL	1-3/4" (44 mm)	316	Matte Black

Minimum order: 1 each. All Point Supported Standoffs can be combined for quantity pricing.

CRL Point Supported Standoff Base and Domed Cap

- 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 SentryGlas® Interlayer
- 316 Grade Stainless Steel



SPECIFICATIONS:

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 SentryGlas® Interlayer (Do not use with raw or annealed glass)

Glass Fabrication: One 3/4" (19 mm) Diameter Hole Per Fitting.

Spacing: Maximum horizontal spacing between fittings depends on its use and mounting conditions. The minimum height spacing is 4" (102 mm) center-to-center. Full engineering reports are available at crlaurence.com.

CAT. NO.	LENGTH	GRADE	FINISH
RSOB215BS	1" (25 mm)	316	Brushed Stainless
RSOB215PS	1" (25 mm)	316	Polished Stainless
RSOB215MBL	1" (25 mm)	316	Matte Black
RSOB2135BS	1-3/4" (44 mm)	316	Brushed Stainless
RSOB2135PS	1-3/4" (44 mm)	316	Polished Stainless
RSOB2135MBL	1-3/4" (44 mm)	316	Matte Black

Minimum order: 1 each. All Point Supported Standoffs can be combined for quantity pricing.

CRL SRS Standoff Railing System

CRL Point Supported Square Standoff Fitting With Caps and Back Plate

- 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 SentryGlas® Interlayer

- 316 Grade Stainless Steel

CAT. NO.	GRADE	FINISH
SSOB20BS	316	Brushed Stainless
SSOB20PS	316	Polished Stainless

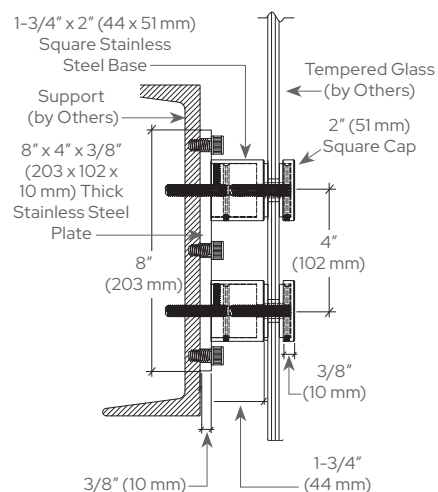
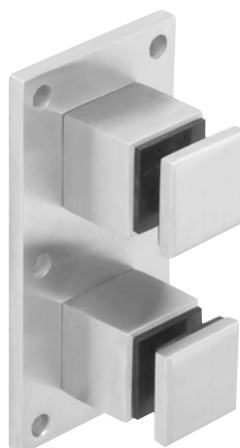
Minimum order: 1 each. All Point Supported Standoffs can be combined for quantity pricing.

SPECIFICATIONS:

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 SentryGlas® Interlayer (Do not use with raw or annealed glass)

Glass Fabrication: One 3/4" (19 mm) Diameter Hole Per Fitting.

Spacing: Maximum horizontal spacing between fittings depends on its use and mounting conditions. The minimum height spacing is 4" (102 mm) center-to-center. Full engineering reports are available at crlaurence.com.



Steel Application

CRL Point Supported Standoff Fitting With Flat Caps and Back Plate

- 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 SentryGlas® Interlayer

- 316 Grade Stainless Steel

CAT. NO.	GRADE	FINISH
RSOB20BS	316	Brushed Stainless
RSOB20PS	316	Polished Stainless
RSOB20MBL	316	Matte Black

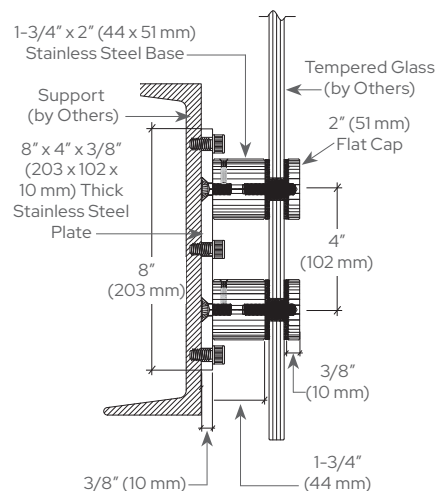
Minimum order: 1 each. All Point Supported Standoffs can be combined for quantity pricing.

SPECIFICATIONS:

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 SentryGlas® Interlayer (Do not use with raw or annealed glass)

Glass Fabrication: One 3/4" (19 mm) Diameter Hole Per Fitting.

Spacing: Maximum horizontal spacing between fittings depends on its use and mounting conditions. The minimum height spacing is 4" (102 mm) center-to-center. Full engineering reports are available at crlaurence.com.



Steel Application

CRL Point Supported Standoff Fitting With Domed Caps and Back Plate

- 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 SentryGlas® Interlayer

- 316 Grade Stainless Steel

CAT. NO.	GRADE	FINISH
RSOB25BS	316	Brushed Stainless
RSOB25PS	316	Polished Stainless
RSOB25MBL	316	Matte Black

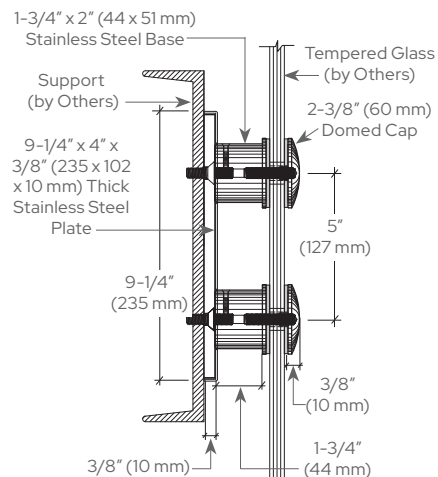
Minimum order: 1 each. All Point Supported Standoffs can be combined for quantity pricing.

SPECIFICATIONS:

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 SentryGlas® Interlayer (Do not use with raw or annealed glass)

Glass Fabrication: One 3/4" (19 mm) Diameter Hole Per Fitting.

Spacing: Maximum horizontal spacing between fittings depends on its use and mounting conditions. The minimum height spacing is 4" (102 mm) center-to-center. Full engineering reports are available at crlaurence.com.



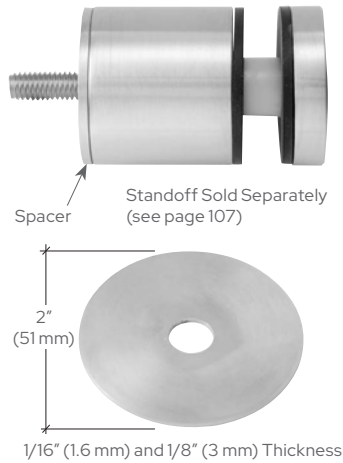
Steel Application

CRL SRS Standoff Railing System Accessories

CRL Spacers for Glass Rail Standoffs

- For Shimming and Alignment of Our SRS Standoff System
- 316 Grade Stainless Steel
- Available in Two Thicknesses

These Stainless Steel Spacers solve the problem on construction projects where uneven substrate attachment is needed for RSOB Standoffs. Spacers are available in two different thicknesses to allow for minor adjustment, and can be stacked for best fitment. Ten per pack.



1/16" (1.6 MM)	1/8" (3 MM)
CAT. NO.	CAT. NO.
RSOBS16BS	RSOBS18BS
RSOBS16PS	RSOBS18PS

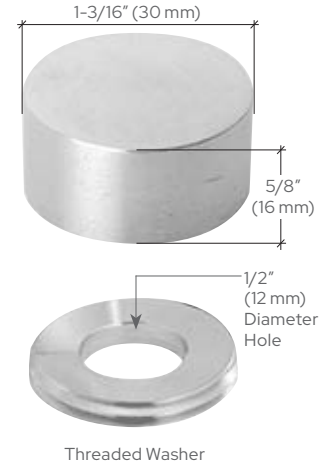
FINISH
Brushed Stainless
Polished Stainless

Minimum order: 1 pack.

CRL Stainless Steel Bolt Cover Buttons

- Hides Exposed Bolt Heads
- Available in Two Finishes
- Comes with Threaded Washer
- Comes in Two Architectural Finishes

These Stainless Steel Bolt Cover Buttons are designed to cover up exposed concrete anchors and lag bolts on base plates. Stainless Steel Button screws onto included Threaded Washers to create a finished look. Threaded Cap has 7/16" (11 mm) internal height clearance.



CAT. NO.	GRADE
BTN1BS	316
BTN1PS	316

FINISH
Brushed Stainless
Polished Stainless

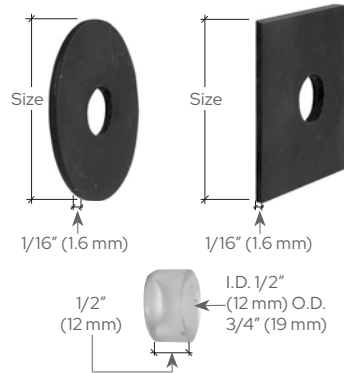
Minimum order: 1 each. All Bolt Cover Buttons can be combined for quantity pricing.

CRL Replacement Gasket Set for RSOB Series Standoff Fittings

Each Gasket Set Includes:

- 1 Each Grommet
- 2 Each Black (Round or Square)

Replacement Gasket sets are designed for use with CRL's Point Supported Standoff Fittings.



CAT. NO.	SIZE	WORKS WITH
RSOBRG1	2" (51 mm) Diameter	RSOB20, RSOB21, RSOB2134
RSOBRG2	2-3/8" (60 mm) Diameter	RSOB25, RSOB215, RSOB2135
SSOBRG1	2" (51 mm) Square	SSOB20, SSOB2134

Minimum order: 1 each.

CRL Replacement Standoff Caps for Point Supported Standoff Fittings

Each Cap Assembly Includes:

- 1 Each Cap
- 1 Each 3/8"-16 Allen Screw
- 1 Each Grommet
- 2 Each Black Plastic Gaskets

Replacement Caps are designed for use with CRL's Point Supported Standoff Fittings. 316 grade stainless steel.



BRUSHED S.S.	POLISHED S.S.	DESCRIPTION
CAT. NO.	CAT. NO.	
RCAP2BS	RCAP2PS	Flat Cap for RSOB20/RSOB2134
RCAP3BS	RCAP3PS	Domed Cap for RSOB25/RSOB2135
SCAP2BS	SCAP2PS	Square Cap for SSOB20/SSOB2134

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

CRL Adjustable Strap Wrench

- Adjustable From 3/4" to 4" (19 to 102 mm)

Our Adjustable Strap Wrench is the perfect tool for anyone installing Standoff Bases or polished threaded tubing. The strap is easily adjustable from 3/4" to 4" (19 to 102 mm) diameter using a conveniently located thumb lever in the handle.

CAT. NO. ASW12

Minimum order: 1 each.



CRL Cap Wrench for CRL's Glass Rail Standoff Fittings

- Use for Round Standoffs From 1-1/2" to 2" (38 to 51 mm) in Diameter

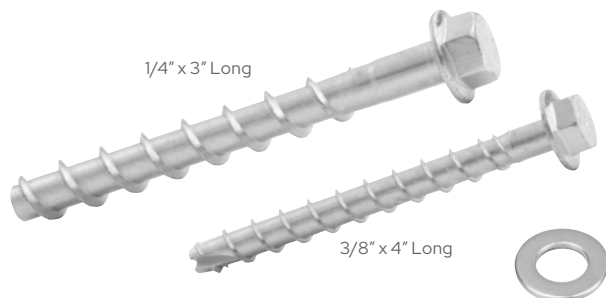
This convenient Cap Wrench provides a quick and efficient method of tightening and loosening the Cap Assembly of Round Standoffs from 1-1/2" to 2" (38 to 51 mm) in diameter.

CAT. NO. SSW12

Minimum order: 1 each.



CRL SRS Standoff Railing System Accessories



Hilti® KWIK HUS-EZ Screw Anchors

- Heat Treated Carbon Steel or Stainless Steel
- Great for Railing and Windscreen Applications

CAT. NO.	DESCRIPTION	QTY/BOX
WBA14X3	1/4" x 3" (6 x 76 mm) Screw Anchor	50
WBAW14	1/4" (6 mm) Washer for WBA14X3	50
WBA38X4	3/8" x 4" (10 x 102 mm) Screw Anchor	50
WBAW38	3/8" (10 mm) Washer for WBA38X4	50
WBA38X4SS	3/8" x 4" (10 x 102 mm) Screw Anchor	50

Minimum order is 50 each. Must be ordered in increments of 50. *Must be used with Wedge-Bolt Anchors to achieve the required attachment strength.

Washers Sold Separately



Hilti® KWIK Bolt TZ

- Available in 304 Grade Stainless or Carbon Steel

Hilti® Kwik Bolt TZ are heavy-duty expansion bolts designed for high performance in static and dynamic load applications.

NOTE: Carbon Steel Anchor is recommended for interior installations only.

CAT. NO.	GRADE - APPLICATION	SIZE
CA38X334SS	304 Stainless - Exterior	3/8" x 3-3/4" (95 mm)
CA38X334	Carbon Steel - Interior	3/8" x 3-3/4" (95 mm)

Minimum order: 50 each. Must be ordered in increments of 50. Sizes can be combined for quantity pricing.



CRL S.D.S. Masonry Drills

- ANSI Specifications for Wedge-Bolts
- Work in Regular and Impact Drills

S.D.S. Masonry Drills are made to the ANSI Specifications required for the proper performance of Hilti® KWIK HUS-EZ Screw Anchors.

Life expectancy: 100-500 holes, depending on substrate and drill used. They work in both regular and impact drills, and can be used in a variety of masonry materials.



CAT. NO.	DIAMETER	LENGTH
SDSW12	.495" (13 mm)	12" (305 mm)
SDSW38	.389" (10 mm)	12" (305 mm)
SDSW14	.259" (7 mm)	8" (203 mm)

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



Countersunk Head

Hilti® KWIK Bolt 3

- Available in 304 Grade Stainless

Hilti® Kwik Bolt 3 are expansion anchors used to secure RS0B25 Series Standoffs to concrete.

CAT. NO.	GRADE	SIZE
EBA336	304 Stainless	3/8" x 4" (102 mm)

Minimum order: 10 each.

CRL Socket Head Cap Screws

- 304 Grade Stainless

These Socket Head Cap Screws are used to secure RS0B20 and SS0B Standoffs to a steel substrate with a minimum of 3/8" (10 mm) of thread engagement.



CAT. NO.	GRADE	SIZE
SHCS38X34	304 Stainless	3/8"-16 x 3/4" (19 mm)
SHCS38X112	304 Stainless	3/8"-16 x 1-1/2" (38 mm)
SHCS38X134	304 Stainless	3/8"-16 x 1-3/4" (45 mm)

Minimum order: 10 each. Must be ordered in increments of 10. Can be combined with other Cap Screws for quantity pricing.

CRL Hex Drive Flat Head Screws

- 18-8 Grade Stainless

These Socket Flat Head Cap Screws are used to secure RS0B25 Series Standoffs to a steel substrate.



Countersunk Head

CAT. NO.	GRADE	SIZE
SHCSF3816X1	18-8 Stainless	3/8"-16 x 1" (25 mm)

Minimum order: 10 each. Must be ordered in increments of 10. Can be combined with other Cap Screws for quantity.

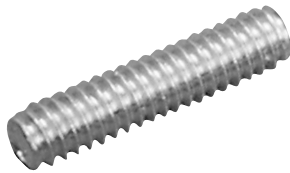
CRL SRS Standoff Railing System Accessories



CRL Allen Screws

- 304 Grade Stainless

Stainless Steel Allen Screws are available in incremental lengths from 1" to 2" (25 to 51 mm) for RSOB and SSOB Series Standoffs.



CAT. NO.

AS381
AS38114
AS38112
AS38134
AS382

GRADE

304 Stainless
304 Stainless
304 Stainless
304 Stainless
304 Stainless

SIZE

3/8"-16 x 1" (25 mm)
3/8"-16 x 1-1/4" (32 mm)
3/8"-16 x 1-1/2" (38 mm)
3/8"-16 x 1-3/4" (44 mm)
3/8"-16 x 2" (51 mm)

Minimum order: 10 each. Must be ordered in increments of 10. Sizes can be combined for quantity pricing.

CRL Hex and Nylock Hex Nuts

- 304 Grade Stainless

These Hex and Nylock Hex Nuts are used with Allen Screws or Threaded Rod for securing 1-1/2" (38 mm) diameter Standoffs.



CAT. NO.

HN3816S
NLN3816S

GRADE

304 Stainless
304 Stainless

TYPE

Hex Nut
Nylock Hex Nut

SIZE

3/8"-16
3/8"-16

Minimum order: 10 each. Must be ordered in increments of 10. Sizes can be combined for quantity pricing.

CRL Threaded Rod

- 304 Grade Stainless

Full 36" (914 mm) lengths of stainless Threaded Rod will permit you to cut Rod to length required for secure mounting.



CAT. NO.

TR3816X36S

GRADE

304 Stainless

SIZE

3/8"-16 x 36" (914 mm)

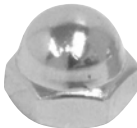
Minimum order: 1 each.

CRL Acorn Nut

- 304 Grade Stainless

Acorn Nuts are commonly used for applications that need a finished top.

NOTE: Allen Screws or Threaded Rods must be installed to proper length during installation for Acorn nut to fit properly.



CAT. NO.

ACN3816S

GRADE

304 Stainless

SIZE

3/8"-16

Minimum order: 10 each. Must be ordered in increments of 10.

CRL Flat and Lock Washers

- 304 Grade Stainless

Flat and Lock Washers are used when attaching Standoffs to panels or substrates.



CAT. NO.

FW38S
LW38S

GRADE

304 Stainless
304 Stainless

TYPE

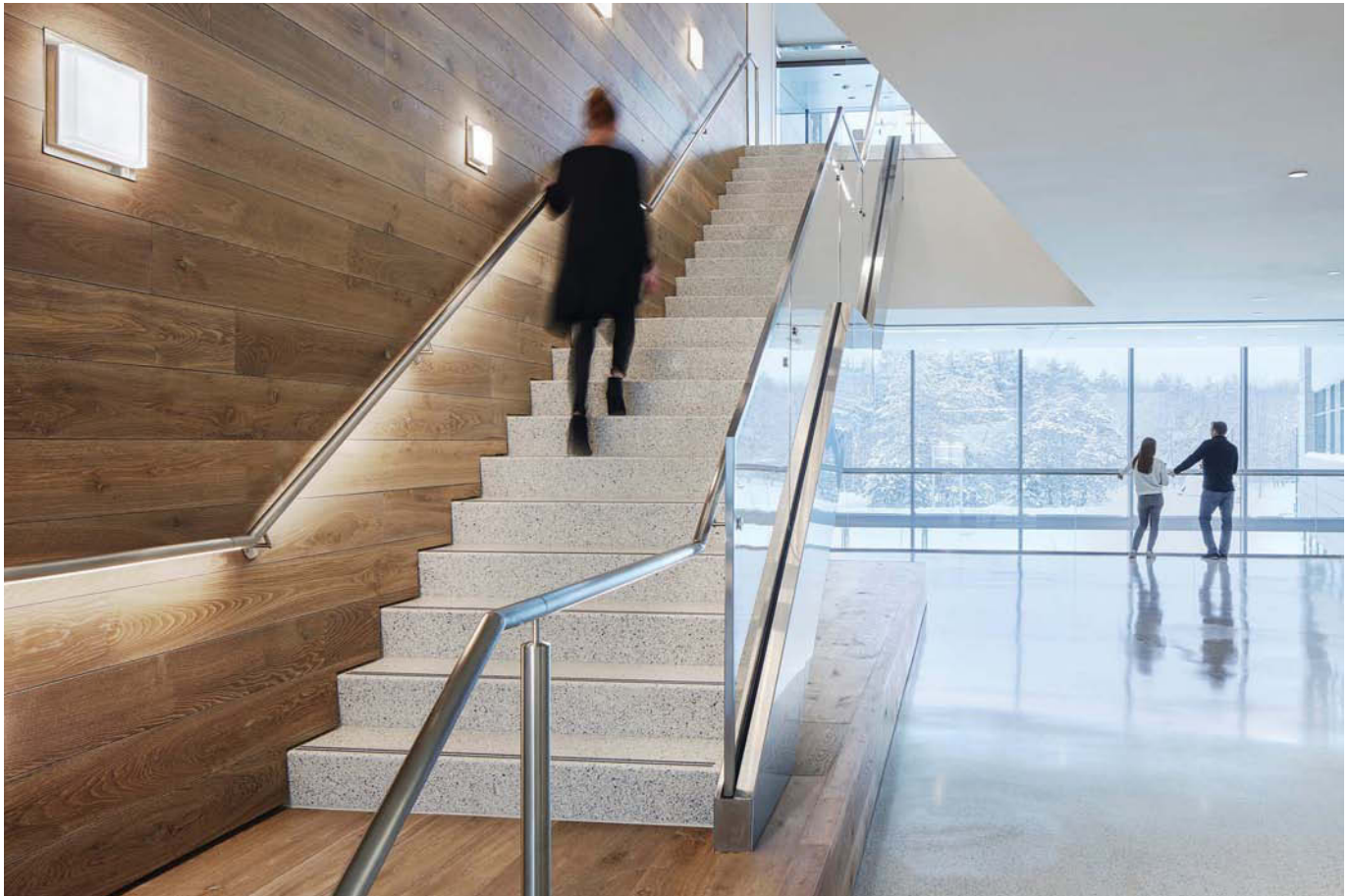
Flat Washer
Lock Washer

SIZE

3/8"-16
3/8"-16

Minimum order: 10 each. Must be ordered in increments of 10. Sizes can be combined for quantity pricing.

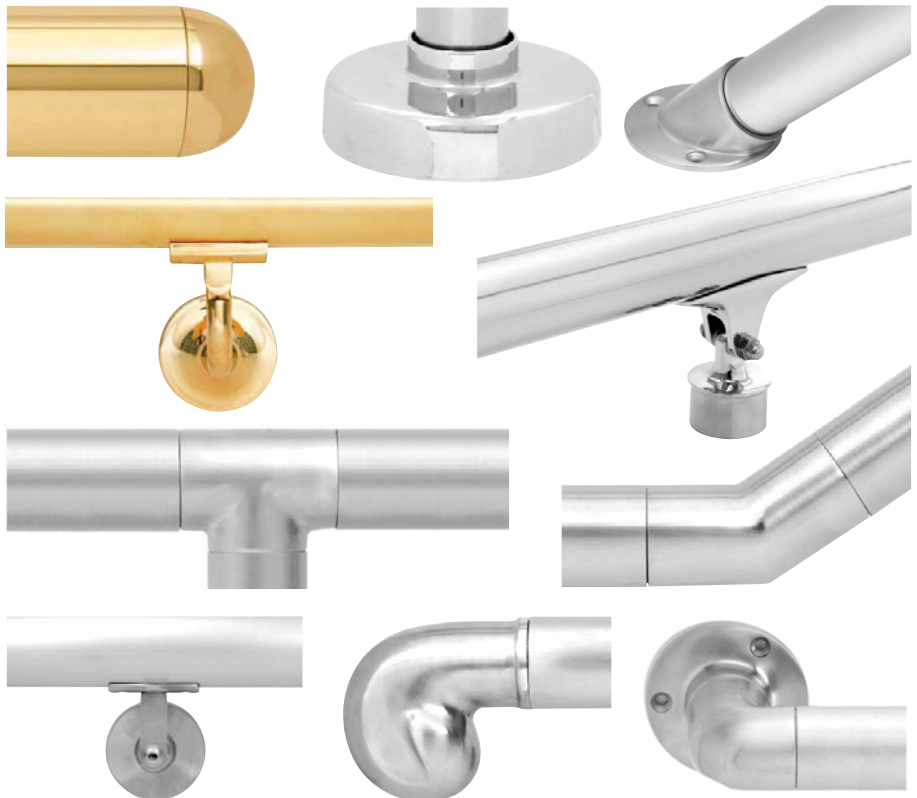
CRL HRS Hand Railing Systems



CRL HRS Hand Rail Tubing and Components

- Designed for Commercial and Residential Applications
- Can Be Designed to Meet the Strictest of Building Codes and are A.D.A. Compliant
- Complete Selection of Flush Type Fittings
- Easy to Install and Attractively Priced
- Select From a Variety of Architectural Finishes

CRL has developed a line of Hand Rail Tubing and Components to complete our HRS Hand Railing System. 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. CRL Thin Wall Hand Rail Tubing is precision made stainless steel or brass with .049" (1.2 mm) wall thickness. Our Heavy Wall Hand Rail Tubing is made of stainless steel or aluminum with a hefty .125" to .145" (3.2 to 3.7 mm) wall for added strength. For complete information on HRS Hand Rails, go to crlaurence.com.



CRL HRS Hand Railing Systems

CRL 1-1/2" O.D. Thin Wall Hand Rail Tubing and End Caps

- 1-1/2" (38 mm) Outside Diameter
- Three Architectural Finishes
- Ready to Install
- Requires End Caps and Connector Sleeves (Sold Separately)

All CRL Hand Railing Tubing is formed using precision tooling to maintain uniform diameters, allowing for smooth hairline transitions at splices and end caps. Use our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 148) to achieve a secure and permanent bond at all connections. For Connector Sleeves (see page 116). Standard stainless is 304 grade. Stainless 316 grade is available on special order. Standard brass alloy is C260. Contact CRL Product Group Sales for more information or a quote.

NOTE: Thin Wall Tubing is not designed for guard rail posts or top rails.

1-1/2" (38 MM) DIAMETER HAND RAIL TUBING

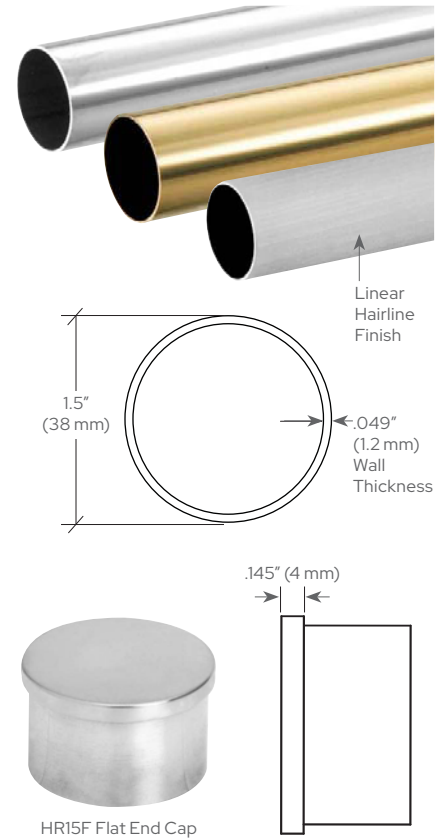
CAT. NO.	GRADE	FINISH	LENGTH	USE SLEEVE NO.
HR15BS	304	Brushed Stainless	236" (6 m)#	GR15CSS
HR15PS	304	Polished Stainless	236" (6 m)#	GR15CSS
HR15BS98	304	Brushed Stainless	98" (2.49 m)	GR15CSS
HR15PS98	304	Polished Stainless	98" (2.49 m)	GR15CSS
HR15PB	C260	Polished Brass	216" (5.48 m)#	GR15CSB
HR15PB98	C260	Polished Brass	98" (2.49 m)	GR15CSB

Minimum order: 1 each. All Hand Rail Tubing can be combined for quantity pricing. #Must ship via common carrier.

FLAT END CAPS FOR HR15 SERIES HAND RAIL TUBING 1-1/2" (38 MM) O.D.

CAT. NO.	GRADE	FINISH
HR15FBS	304	Brushed Stainless
HR15FPS	304	Polished Stainless
HR15FPB	C260	Polished Brass

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



CRL 2" O.D. Thin Wall Hand Rail Tubing and End Caps

- 2" (51 mm) Outside Diameter
- Three Architectural Finishes
- Ready to Install
- Requires End Caps and Connector Sleeves (Sold Separately)

All CRL Hand Railing Tubing is formed using precision tooling to maintain uniform diameters, allowing for smooth hairline transitions at splices and end caps. Use our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 148) to achieve a secure and permanent bond at all connections. For Connector Sleeves see page 130. Standard stainless is 304 grade. Stainless 316 grade is available on special order. Standard brass alloy is C260. Contact CRL Product Group Sales for more information or a quote.

NOTE: Thin Wall Tubing is not designed for guard rail posts or top rails.

2" (51 MM) DIAMETER HAND RAIL TUBING

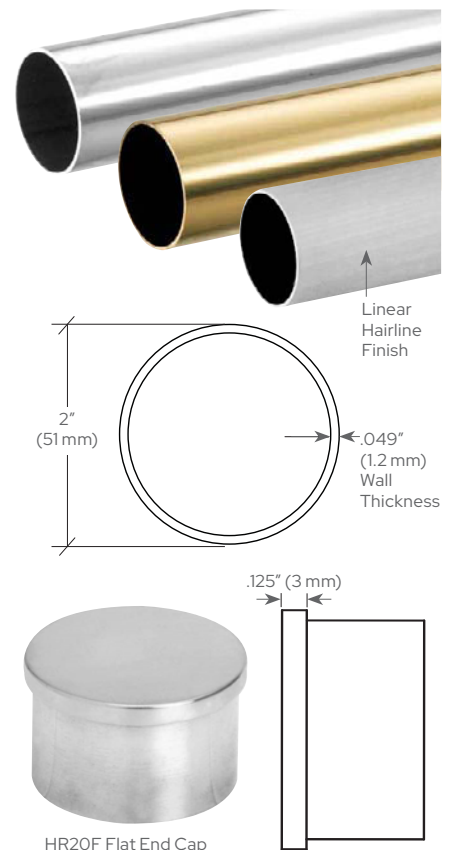
CAT. NO.	GRADE	FINISH	LENGTH	USE SLEEVE NO.
HR20BS	304	Brushed Stainless	236" (6 m)#	GR20CSS
HR20PS	304	Polished Stainless	236" (6 m)#	GR20CSS
HR20BS98	304	Brushed Stainless	98" (2.49 m)	GR20CSS
HR20PS98	304	Polished Stainless	98" (2.49 m)	GR20CSS
HR20PB	C260	Polished Brass	216" (5.48 m)#	GR20CSB
HR20PB98	C260	Polished Brass	98" (2.49 m)	GR20CSB

Minimum order: 1 each. All Hand Rail Tubing can be combined for quantity pricing. #Must ship via common carrier.

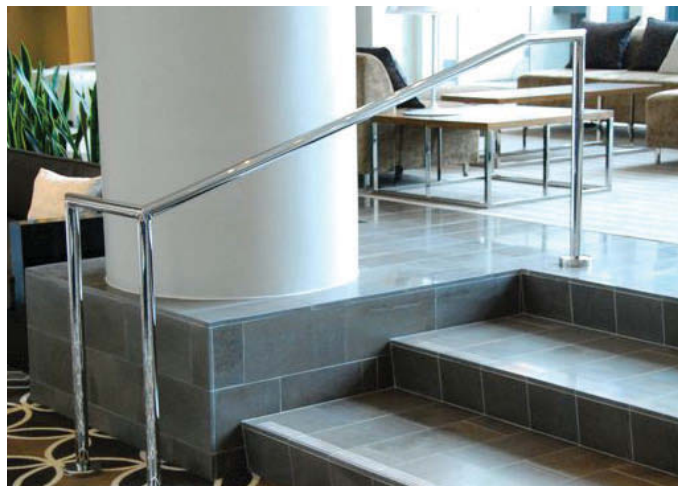
FLAT END CAPS FOR HR20 SERIES HAND RAIL TUBING 2" (51 MM) O.D.

CAT. NO.	GRADE	FINISH
HR20FBS	304	Brushed Stainless
HR20FPS	304	Polished Stainless
HR20FPB	C260	Polished Brass

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



CRL HRS Hand Railing Systems



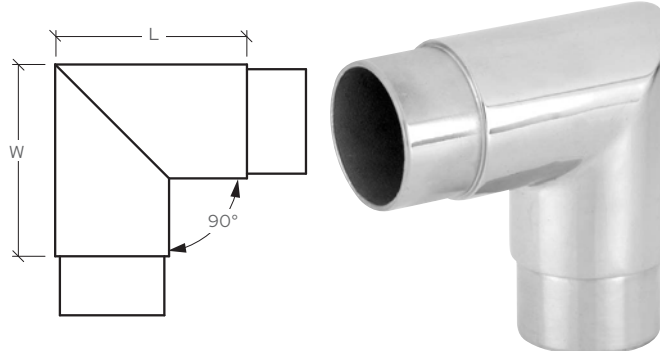
CRL Mitered Style 90 Degree Corners

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

MITERED STYLE 90 DEGREE CORNERS FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR15MCBS	Brushed Stainless	2-3/8" (60 mm)	2-3/8" (60 mm)
HR15MCPS	Polished Stainless	2-3/8" (60 mm)	2-3/8" (60 mm)
HR15MCPB	Polished Brass	2-3/8" (60 mm)	2-3/8" (60 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



MITERED STYLE 90 DEGREE CORNERS FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR20MCBS	Brushed Stainless	3-1/8" (80 mm)	3-1/8" (80 mm)
HR20MCPS	Polished Stainless	3-1/8" (80 mm)	3-1/8" (80 mm)
HR20MCPB	Polished Brass	3-1/8" (80 mm)	3-1/8" (80 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



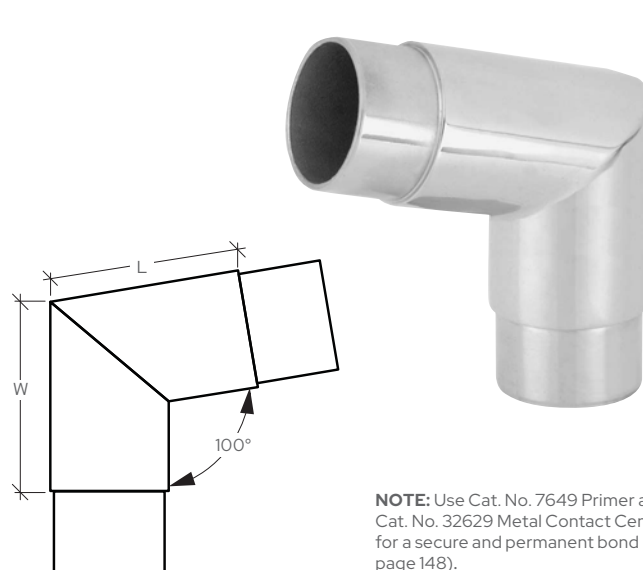
CRL Mitered Style 100 Degree Corners

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

MITERED STYLE 100 DEGREE CORNERS FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR15SCBS	Brushed Stainless	2-3/8" (60 mm)	2-3/8" (60 mm)
HR15SCPS	Polished Stainless	2-3/8" (60 mm)	2-3/8" (60 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

CRL HRS Hand Railing Systems

CRL 135 Degree Flush Angle

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

CRL 135 Degree Flush Angles easily slip into our partition post and sneeze guard tubing. Use Cat. No. 32629 Metal Contact Cement (see page 148) for secure and permanent bond.

135 DEGREE FLUSH ANGLES FOR 1-1/2" (38 MM) THIN WALL TUBING

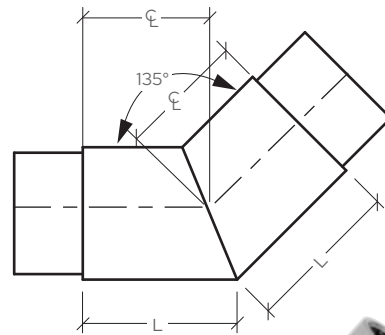
CAT. NO.	FINISH	"L" LENGTH	"C/L"
HR15MBS	Brushed Stainless	1-3/4" (45 mm)	1-7/16" (37 mm)
HR15MPS	Polished Stainless	1-3/4" (45 mm)	1-7/16" (37 mm)
HR15MPB	Polished Brass	1-3/4" (45 mm)	1-7/16" (37 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

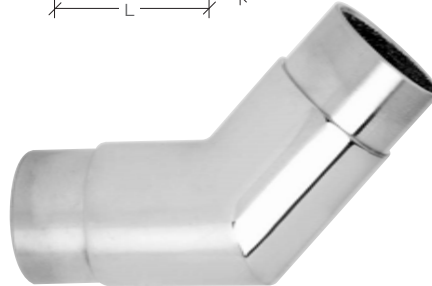
135 DEGREE FLUSH ANGLES FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"C/L"
HR20MBS	Brushed Stainless	2" (51 mm)	1-9/16" (39 mm)
HR20MPS	Polished Stainless	2" (51 mm)	1-9/16" (39 mm)
HR20MPB	Polished Brass	2" (51 mm)	1-9/16" (39 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).



CRL 147 Degree Flush Angle

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

CRL 147 Degree Flush Angles easily slip into our partition post and sneeze guard tubing. Use Cat. No. 32629 Metal Contact Cement for secure and permanent bond.

147 DEGREE FLUSH ANGLES FOR 1-1/2" (38 MM) THIN WALL TUBING

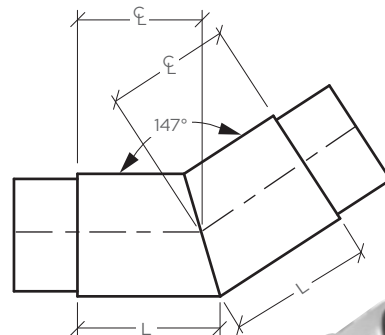
CAT. NO.	FINISH	"L" LENGTH	"C/L"
HR15ABS	Brushed Stainless	1-3/4" (45 mm)	1-9/16" (39 mm)
HR15APS	Polished Stainless	1-3/4" (45 mm)	1-9/16" (39 mm)
HR15APB	Polished Brass	1-3/4" (45 mm)	1-9/16" (39 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

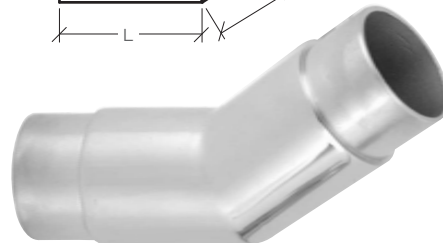
147 DEGREE FLUSH ANGLES FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"C/L"
HR20ABS	Brushed Stainless	2" (51 mm)	1-11/16" (43 mm)
HR20APS	Polished Stainless	2" (51 mm)	1-11/16" (43 mm)
HR20APB	Polished Brass	2" (51 mm)	1-11/16" (43 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).



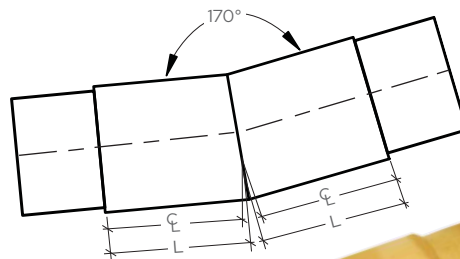
CRL 170 Degree Flush Angle

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

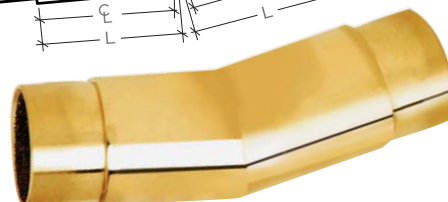
170 DEGREE FLUSH ANGLE FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"C/L"
HR15SABS	Brushed Stainless	1-3/4" (45 mm)	1-11/16" (43 mm)
HR15SAPS	Polished Stainless	1-3/4" (45 mm)	1-11/16" (43 mm)
HR15SAPB	Polished Brass	1-3/4" (45 mm)	1-11/16" (43 mm)

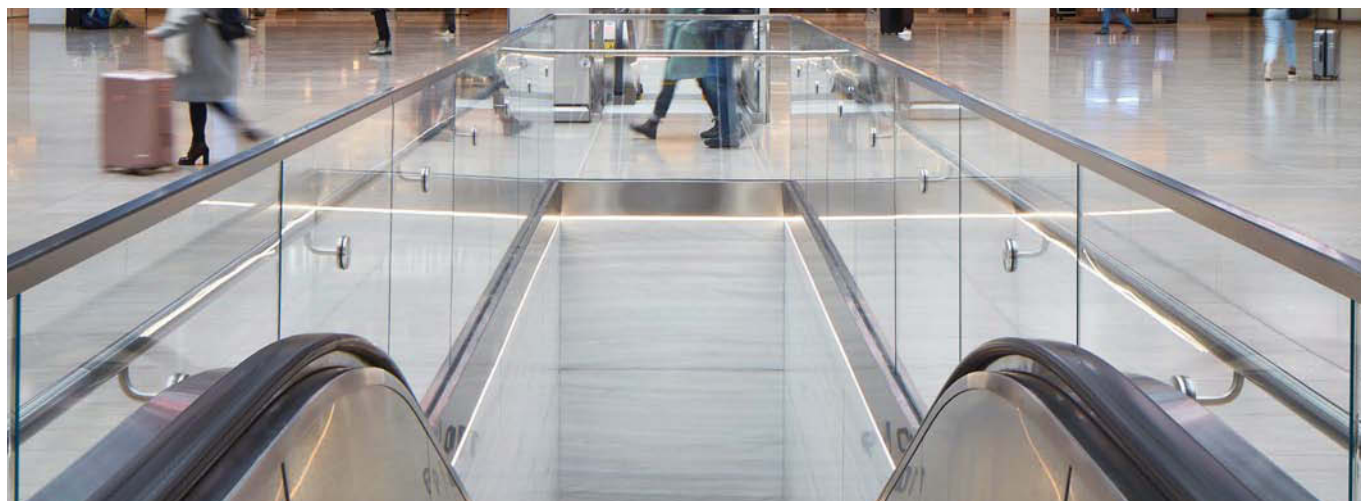
Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).



CRL HRS Hand Railing Systems



How to Properly Install Mechanical Seam Joints in Hand Rails

Mechanical (non-welded) seam joints for Hand Rails and Top Cap Rail systems require the Installer's attention to the following details in order to assure proper installation.

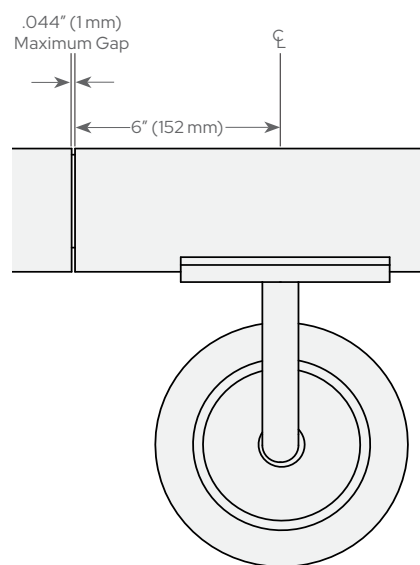
#1: When cutting in the field, it is important that all cuts are SQUARE and carefully DEBURRED before connecting. Be sure to deburr both the inside and outside edges, taking care not to scratch the exposed surfaces.

IMPORTANT: Dry fit all parts and inspect seams before applying adhesive.



Apply Primer Cat. No. 7649 Primer to all of the bond surfaces. Immediately apply Cat. No. 32629 Contact Adhesive (see page 148) to one of the surfaces. Position parts quickly and exactly as the adhesive begins to work immediately. Excess adhesive on outside joined surfaces can be wiped away with an organic solvent, such as our CRL Cat. No. 2032 General Purpose Solvent and Adhesive Cleaner (go to crlaurence.com).

#2: Maximum mechanical seam joint separation should not exceed .044" (1 mm). Over time gaps may increase due to heavy usage, surface deflections, and structure vibrations. Periodic repair including disassembly and reattachment with adhesive may be required in order to maintain the original installation gap tolerances. Routine inspection and maintenance will ensure many years of useful life.



CRL Hand Rail and Pipe Rail Connector Sleeves Corners

CONNECTOR SLEEVES FOR 1-1/2" DIAMETER THIN WALL TUBING (.049" WALL THICKNESS)

CAT. NO.	MATERIAL	FOR USE WITH
GR15CSS	Stainless Steel	HR15 Series 1-1/2" Stainless Steel Hand Rail Tubing
GR15CSB	Brass	HR15 Series 1-1/2" Brass Hand Rail Tubing

CONNECTOR SLEEVES FOR 2" DIAMETER THIN WALL TUBING (.049" WALL THICKNESS)

CAT. NO.	MATERIAL	FOR USE WITH
GR20CSS	Stainless Steel	HR20 Series 2" Stainless Steel Hand Rail Tubing
GR20CSB	Brass	HR20 Series 2" Brass Hand Rail Tubing

CONNECTOR SLEEVE FOR 1-1/2" SQUARE THIN WALL TUBING (.049" WALL THICKNESS)

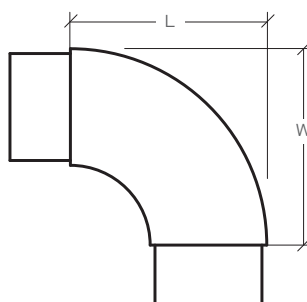
CAT. NO.	MATERIAL	FOR USE WITH
GRS15CSS	Stainless Steel	HRS15 Series 1-1/2" Stainless Steel Square Hand Rail Tubing

All Connector Sleeves above are 1 each minimum order.



Important Installation Note: Always Use Connector Sleeves Made of the Same Metal as the Cap Rail, Cap Rail Corner, or Hand Rail Metal.

CRL HRS Hand Railing Systems



CRL EZ Radius 90 Degree Corners

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

EZ RADIUS 90 DEGREE CORNERS FOR 1-1/2" (38 MM) THIN WALL TUBING

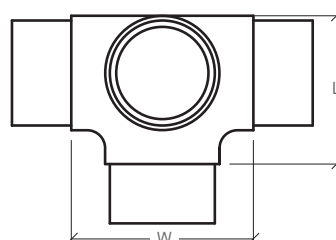
CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR15CBS	Brushed Stainless	2-9/16" (65 mm)	2-9/16" (65 mm)
HR15CPS	Polished Stainless	2-9/16" (65 mm)	2-9/16" (65 mm)
HR15CPB	Polished Brass	2-9/16" (65 mm)	2-9/16" (65 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

EZ RADIUS 90 DEGREE CORNERS FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR20CBS	Brushed Stainless	2-15/16" (75 mm)	2-15/16" (75 mm)
HR20CPS	Polished Stainless	2-15/16" (75 mm)	2-15/16" (75 mm)
HR20CPB	Polished Brass	2-15/16" (75 mm)	2-15/16" (75 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



CRL Side Outlet Tees

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

SIDE OUTLET TEES FOR 1-1/2" (38 MM) THIN WALL TUBING

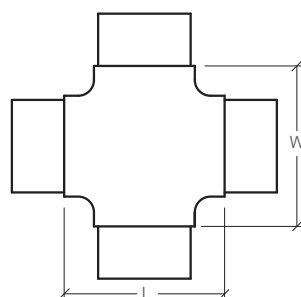
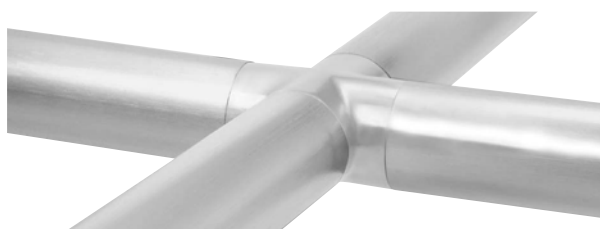
CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR15LBS	Brushed Stainless	2" (51 mm)	2-7/16" (61 mm)
HR15LPS	Polished Stainless	2" (51 mm)	2-7/16" (61 mm)
HR15LPB	Polished Brass	2" (51 mm)	2-7/16" (61 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

SIDE OUTLET TEES FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR20LBS	Brushed Stainless	2-3/8" (60 mm)	2-11/16" (69 mm)
HR20LPS	Polished Stainless	2-3/8" (60 mm)	2-11/16" (69 mm)
HR20LPB	Polished Brass	2-3/8" (60 mm)	2-11/16" (69 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



CRL Flush Crosses

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

FLUSH CROSSES FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR15NBS	Brushed Stainless	2-7/16" (61 mm)	2-7/16" (61 mm)
HR15NPS	Polished Stainless	2-7/16" (61 mm)	2-7/16" (61 mm)
HR15NPB	Polished Brass	2-7/16" (61 mm)	2-7/16" (61 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

FLUSH CROSSES FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR20NBS	Brushed Stainless	2-11/16" (69 mm)	2-11/16" (69 mm)
HR20NPS	Polished Stainless	2-11/16" (69 mm)	2-11/16" (69 mm)
HR20NPB	Polished Brass	2-11/16" (69 mm)	2-11/16" (69 mm)

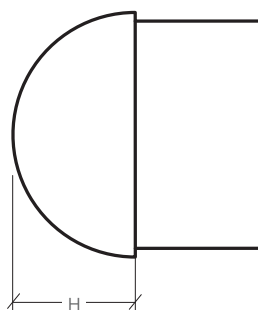
Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

CRL HRS Hand Railing Systems



CRL Dome End Caps

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

DOME END CAPS FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"H" HEIGHT
HR15DBS	Brushed Stainless	3/4" (19 mm)
HR15DPS	Polished Stainless	3/4" (19 mm)
HR15DPB	Polished Brass	3/4" (19 mm)

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

DOME END CAPS FOR 2" (51 MM) THIN WALL TUBING

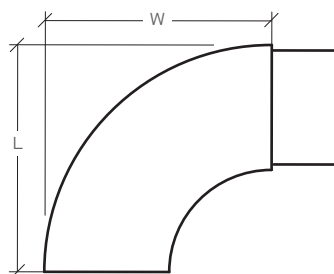
CAT. NO.	FINISH	"H" HEIGHT
HR20DBS	Brushed Stainless	1" (25 mm)
HR20DPS	Polished Stainless	1" (25 mm)
HR20DPB	Polished Brass	1" (25 mm)

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



CRL 90 Degree Flush Angle Ends

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

90 DEGREE FLUSH ANGLE ENDS FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR15RBS	Brushed Stainless	2-3/4" (70 mm)	2-3/4" (70 mm)
HR15RPS	Polished Stainless	2-3/4" (70 mm)	2-3/4" (70 mm)
HR15RPB	Polished Brass	2-3/4" (70 mm)	2-3/4" (70 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

90 DEGREE FLUSH ANGLE ENDS FOR 2" (51 MM) THIN WALL TUBING

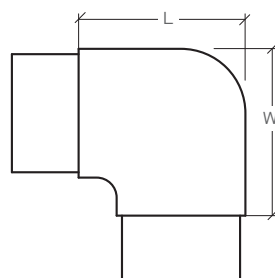
CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR20RBS	Brushed Stainless	3-5/32" (80 mm)	3-11/32" (85 mm)
HR20RPS	Polished Stainless	3-5/32" (80 mm)	3-11/32" (85 mm)
HR20RPB	Polished Brass	3-5/32" (80 mm)	3-11/32" (85 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



CRL Sharp Radius 90 Degree Corners

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

SHARP RADIUS 90 DEGREE CORNERS FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR15HBS	Brushed Stainless	2" (51 mm)	2" (51 mm)
HR15HPS	Polished Stainless	2" (51 mm)	2" (51 mm)
HR15HPB	Polished Brass	2" (51 mm)	2" (51 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

SHARP RADIUS 90 DEGREE CORNERS FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR20HBS	Brushed Stainless	2-3/8" (60 mm)	2-3/8" (60 mm)
HR20HPS	Polished Stainless	2-3/8" (60 mm)	2-3/8" (60 mm)
HR20HPB	Polished Brass	2-3/8" (60 mm)	2-3/8" (60 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

CRL HRS Hand Railing Systems



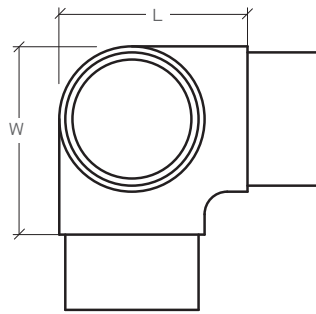
CRL 90 Degree Side Outlet Elbows

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

90 DEGREE SIDE OUTLET ELBOWS FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR15JBS	Brushed Stainless	2" (51 mm)	2" (51 mm)
HR15JPS	Polished Stainless	2" (51 mm)	2" (51 mm)
HR15JPB	Polished Brass	2" (51 mm)	2" (51 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

90 DEGREE SIDE OUTLET ELBOWS FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR20JBS	Brushed Stainless	2-3/8" (60 mm)	2-3/8" (60 mm)
HR20JPS	Polished Stainless	2-3/8" (60 mm)	2-3/8" (60 mm)
HR20JPB	Polished Brass	2-3/8" (60 mm)	2-3/8" (60 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



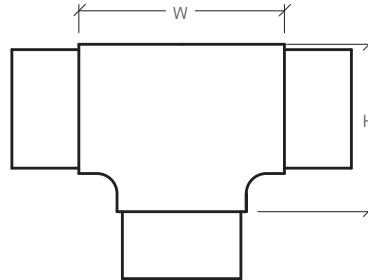
CRL Flush Tees

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

FLUSH TEES FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"H" HEIGHT	"W" WIDTH
HR15KBS	Brushed Stainless	2" (51 mm)	2-7/16" (61 mm)
HR15KPS	Polished Stainless	2" (51 mm)	2-7/16" (61 mm)
HR15KPB	Polished Brass	2" (51 mm)	2-7/16" (61 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

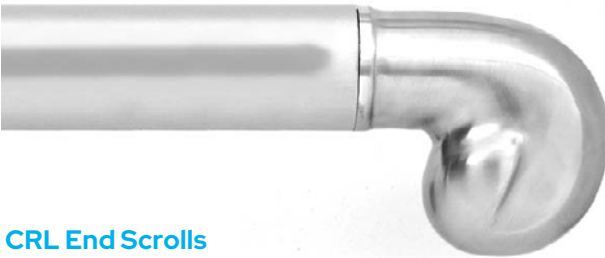


NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

FLUSH TEES FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"H" HEIGHT	"W" WIDTH
HR20KBS	Brushed Stainless	2-3/8" (60 mm)	2-11/16" (69 mm)
HR20KPS	Polished Stainless	2-3/8" (60 mm)	2-11/16" (69 mm)
HR20KPB	Polished Brass	2-3/8" (60 mm)	2-11/16" (69 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



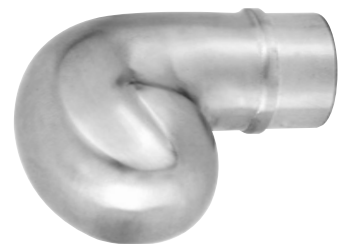
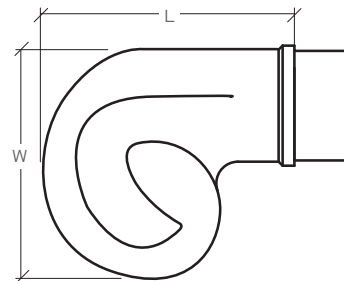
CRL End Scrolls

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

END SCROLLS FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR15EBS	Brushed Stainless	2-15/16" (75 mm)	2-15/16" (75 mm)
HR15EPS	Polished Stainless	2-15/16" (75 mm)	2-15/16" (75 mm)
HR15EPB	Polished Brass	2-15/16" (75 mm)	2-15/16" (75 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

END SCROLLS FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"L" LENGTH	"W" WIDTH
HR20EBS	Brushed Stainless	2-15/16" (75 mm)	3-1/16" (78 mm)
HR20EPS	Polished Stainless	2-15/16" (75 mm)	3-1/16" (78 mm)
HR20EPB	Polished Brass	2-15/16" (75 mm)	3-1/16" (78 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

CRL HRS Hand Railing Systems

CRL 135 Degree Side Outlet Elbows

- Ready-to-Install
- 304 Stainless Alloy or 260 Brass Alloy Standard

135 DEGREE SIDE OUTLET ELBOWS FOR 1-1/2" (38 MM) THIN WALL TUBING

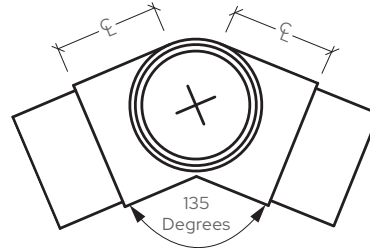
CAT. NO.	FINISH	"C/L"
HR15PBS	Brushed Stainless	1-7/16" (37 mm)
HR15PPS	Polished Stainless	1-7/16" (37 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

135 DEGREE SIDE OUTLET ELBOWS FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"C/L"
HR20PBS	Brushed Stainless	1-9/16" (39 mm)
HR20PPS	Polished Stainless	1-9/16" (39 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

CRL Flush Wall Returns

- Ready-to-Install
- 304 Stainless Alloy or 260 Brass Alloy Standard
- Comes with Mounting Hardware

FLUSH WALL RETURNS FOR 1-1/2" (38 MM) THIN WALL TUBING

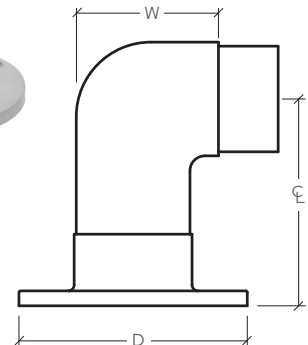
CAT. NO.	FINISH	"D"	"W"	"C/L"
HR15QBS	Brushed Stainless	3" (76 mm)	1-7/8" (48 mm)	2-3/4" (70 mm)
HR15QPS	Polished Stainless	3" (76 mm)	1-7/8" (48 mm)	2-3/4" (70 mm)
HR15QPB	Polished Brass	3" (76 mm)	1-7/8" (48 mm)	2-3/4" (70 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

FLUSH WALL RETURNS FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"D"	"W"	"C/L"
HR20QBS	Brushed Stainless	4" (102 mm)	2-1/2" (64 mm)	3" (76 mm)
HR20QPS	Polished Stainless	4" (102 mm)	2-1/2" (64 mm)	3" (76 mm)
HR20QPB	Polished Brass	4" (102 mm)	2-1/2" (64 mm)	3" (76 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

CRL Flush Wall Mount Tees

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard
- Comes With Mounting Screws

FLUSH WALL MOUNT TEES FOR 1-1/2" (38 MM) THIN WALL TUBING

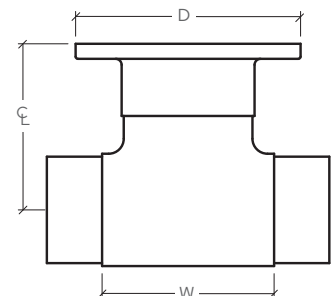
CAT. NO.	FINISH	"D"	"W"	"C/L"
HR15UBS	Brushed Stainless	3" (76 mm)	2-1/4" (57 mm)	2-3/4" (70 mm)
HR15UPS	Polished Stainless	3" (76 mm)	2-1/4" (57 mm)	2-3/4" (70 mm)
HR15UPB	Polished Brass	3" (76 mm)	2-1/4" (57 mm)	2-3/4" (70 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

FLUSH WALL MOUNT TEES FOR 2" (51 MM) THIN WALL TUBING

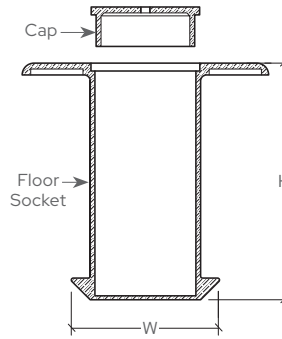
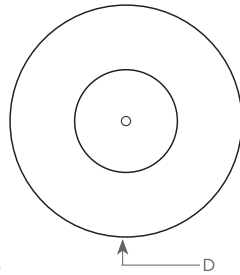
CAT. NO.	FINISH	"D"	"W"	"C/L"
HR20UBS	Brushed Stainless	4" (102 mm)	3-1/16" (77 mm)	3" (76 mm)
HR20UPS	Polished Stainless	4" (102 mm)	3-1/16" (77 mm)	3" (76 mm)
HR20UPB	Polished Brass	4" (102 mm)	3-1/16" (77 mm)	3" (76 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

CRL HRS Hand Railing Systems



CRL Floor Sockets With Cap

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

FLOOR SOCKET WITH CAP FOR 2" (51 MM) THIN WALL TUBING

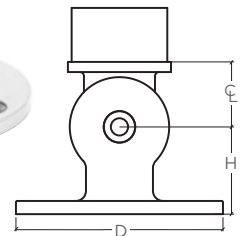
CAT. NO.	FINISH	"D"	"H"	"W"
HR20FSBS	Brushed Stainless	5" (125 mm)	4-3/4" (120 mm)	3-1/4" (83 mm)
HR20FSPS	Polished Stainless	5" (125 mm)	4-3/4" (120 mm)	3-1/4" (83 mm)
HR20FSPB	Polished Brass	5" (125 mm)	4-3/4" (120 mm)	3-1/4" (83 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

CRL Adjustable Flanges

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard
- Mounting Screws Included



ADJUSTABLE FLANGES FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"D"	"H"	"C/L"
HR15PFBS	Brushed Stainless	3" (76 mm)	1-1/4" (32 mm)	15/16" (24 mm)
HR15PFPS	Polished Stainless	3" (76 mm)	1-1/4" (32 mm)	15/16" (24 mm)
HR15PFPB	Polished Brass	3" (76 mm)	1-1/4" (32 mm)	15/16" (24 mm)

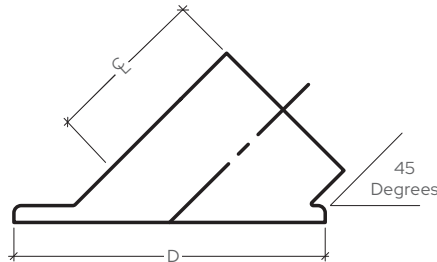
Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

ADJUSTABLE FLANGES FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"D"	"H"	"C/L"
HR20PFBS	Brushed Stainless	4" (102 mm)	1-11/16" (43 mm)	1-1/4" (32 mm)
HR20PFPS	Polished Stainless	4" (102 mm)	1-11/16" (43 mm)	1-1/4" (32 mm)
HR20PFPB	Polished Brass	4" (102 mm)	1-11/16" (43 mm)	1-1/4" (32 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).



CRL 45 Degree Angle Flanges

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard
- Mounting Screws Included

45 DEGREE ANGLE FLANGES FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"D"	"C/L"
HR15AFBS	Brushed Stainless	3-1/8" (79 mm)	1-11/16" (42 mm)
HR15AFPS	Polished Stainless	3-1/8" (79 mm)	1-11/16" (42 mm)
HR15AFPB	Polished Brass	3-1/8" (79 mm)	1-11/16" (42 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

45 DEGREE ANGLE FLANGES FOR 2" (51 MM) THIN WALL TUBING

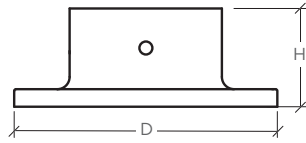
CAT. NO.	FINISH	"D"	"C/L"
HR20AFBS	Brushed Stainless	5" (127 mm)	2-7/16" (63 mm)
HR20AFPS	Polished Stainless	5" (127 mm)	2-7/16" (63 mm)
HR20AFPB	Polished Brass	5" (127 mm)	2-7/16" (63 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

CRL HRS Hand Railing Systems

CRL Full Flanges

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard



FULL FLANGES FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"D" DIAMETER	"H"
HR15YBS	Brushed Stainless	2-15/16" (75 mm)	1-1/8" (28 mm)
HR15YPS	Polished Stainless	2-15/16" (75 mm)	1-1/8" (28 mm)
HR15YPB	Polished Brass	2-15/16" (75 mm)	1-1/8" (28 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing. Comes with #12 x 2" (51 mm) Flat Head Phillips Wood Mounting Screws.

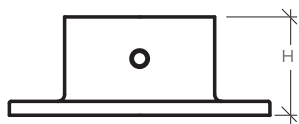
FULL FLANGES FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"D" DIAMETER	"H"
HR20YBS	Brushed Stainless	3-15/16" (100 mm)	1-3/16" (30 mm)
HR20YPS	Polished Stainless	3-15/16" (100 mm)	1-3/16" (30 mm)
HR20YPB	Polished Brass	3-15/16" (100 mm)	1-3/16" (30 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing. Comes with #12 x 2" (51 mm) Flat Head Phillips Wood Mounting Screws.

CRL Cut Flanges

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard



CUT FLANGES FOR 1-1/2" (38 MM) THIN WALL TUBING

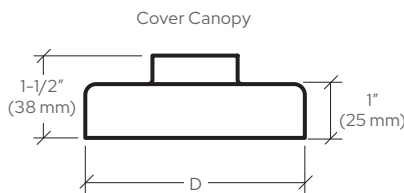
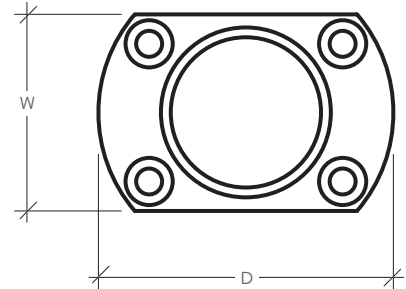
CAT. NO.	FINISH	"D"	"W"	"H"
HR15ZBS	Brushed Stainless	2-15/16" (75 mm)	2" (51 mm)	1-1/8" (28 mm)
HR15ZPS	Polished Stainless	2-15/16" (75 mm)	2" (51 mm)	1-1/8" (28 mm)
HR15ZPB	Polished Brass	2-15/16" (75 mm)	2" (51 mm)	1-1/8" (28 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing. Comes with #12 x 2" (51 mm) Flat Head Phillips Wood Mounting Screws.

CUT FLANGES FOR 2" (51 MM) THIN WALL TUBING

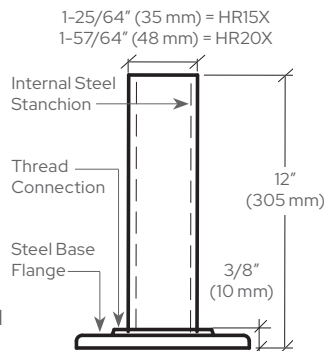
CAT. NO.	FINISH	"D"	"W"	"H"
HR20ZBS	Brushed Stainless	4" (102 mm)	2-5/8" (67 mm)	1-1/8" (28 mm)
HR20ZPS	Polished Stainless	4" (102 mm)	2-5/8" (67 mm)	1-1/8" (28 mm)
HR20ZPB	Polished Brass	4" (102 mm)	2-5/8" (67 mm)	1-1/8" (28 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing. Comes with #12 x 2" (51 mm) Flat Head Phillips Wood Mounting Screws.



CRL Steel Flanges and Canopies

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard
- Available as a Complete Kit or the Canopy Only



WARNING:
Not designed for
Guard Rail Post
Applications

Canopy slips over Steel Flange



STEEL FLANGES AND CANOPIES FOR 1-1/2" (38 MM) THIN WALL TUBING

KIT CAT. NO.	CANOPY ONLY CAT. NO.	FINISH	"D" DIAMETER
HR15XBS	HR15XCBS	Brushed Stainless	4-3/16" (106 mm)
HR15XPS	HR15XCPS	Polished Stainless	4-3/16" (106 mm)
HR15XPB	HR15XCPB	Polished Brass	4-3/16" (106 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing. Comes with #12 x 2" (51 mm) Flat Head Phillips Wood Mounting Screws.

NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

STEEL FLANGES AND CANOPIES FOR 2" (51 MM) THIN WALL TUBING

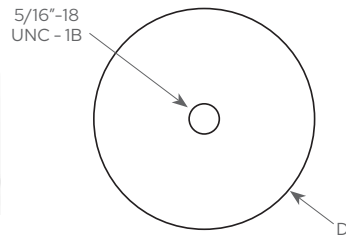
KIT CAT. NO.	CANOPY ONLY CAT. NO.	FINISH	"D" DIAMETER
HR20XBS	HR20XCBS	Brushed Stainless	5" (127 mm)
HR20XPS	HR20XCPS	Polished Stainless	5" (127 mm)
HR20XPB	HR20XCPB	Polished Brass	5" (127 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing. Comes with #12 x 2" (51 mm) Flat Head Phillips Wood Mounting Screws.

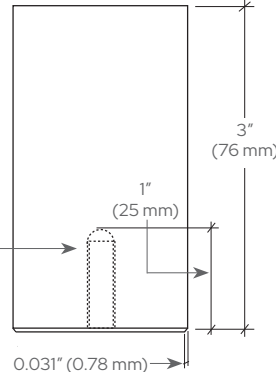
CRL HRS Hand Railing Systems



Tubing Slips Over Lug



Thread Clear
1" (25 mm)
Drill Hole
1.5" (38 mm)
Maximum
Depth



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

CRL Round Concealed Mounting Lugs

- Attaches to Substrate With All Thread or Hanger Bolt (Sold Separately)
- Secures to Tubing With Metal Contact Cement

ROUND CONCEALED MOUNTING LUG FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	LENGTH	"D" DIAMETER
HR15CBM	Mill Aluminum	3" (76 mm)	1.38 (35 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

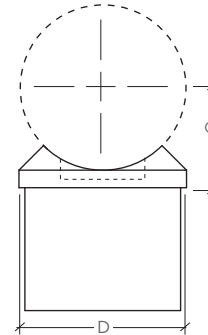
ROUND CONCEALED MOUNTING LUG FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	LENGTH	"D" DIAMETER
HR20CBM	Mill Aluminum	3" (76 mm)	1.88" (48 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).



CRL Perpendicular Collars

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

PERPENDICULAR COLLARS FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"D" DIAMETER	"C/L"
HR15PCBS	Brushed Stainless	1-1/2" (38 mm)	7/8" (22 mm)
HR15PCPS	Polished Stainless	1-1/2" (38 mm)	7/8" (22 mm)
HR15PCPB	Polished Brass	1-1/2" (38 mm)	7/8" (22 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

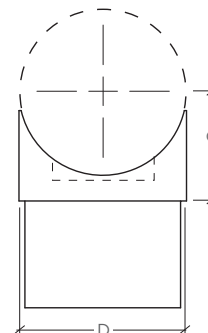
PERPENDICULAR COLLARS FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"D" DIAMETER	"C/L"
HR20PCBS	Brushed Stainless	2" (51 mm)	1-1/4" (32 mm)
HR20PCPS	Polished Stainless	2" (51 mm)	1-1/4" (32 mm)
HR20PCPB	Polished Stainless	2" (51 mm)	1-1/4" (32 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).



CRL Coped Perpendicular Collars

- Ready to Install
- 304 Grade Stainless or C260 Brass Alloy Standard

COPED PERPENDICULAR COLLARS FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	FINISH	"D" DIAMETER	"C/L"
HR15CCBS	Brushed Stainless	1-1/2" (38 mm)	1" (25 mm)
HR15CCPS	Polished Stainless	1-1/2" (38 mm)	1" (25 mm)
HR15CCPB	Polished Brass	1-1/2" (38 mm)	1" (25 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

COPED PERPENDICULAR COLLARS FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	FINISH	"D" DIAMETER	"C/L"
HR20CCBS	Brushed Stainless	2" (51 mm)	1-1/4" (32 mm)
HR20CCPS	Polished Stainless	2" (51 mm)	1-1/4" (32 mm)
HR20CCPB	Polished Brass	2" (51 mm)	1-1/4" (32 mm)

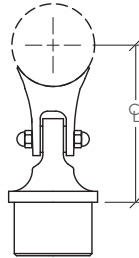
Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

CRL HRS Hand Railing Systems

CRL Adjustable Saddles

- Ready to Install
- Three Architectural Finishes
- Comes With Mounting Screws

This CRL Adjustable Saddle is adjustable to varying degrees of angle, and attaches to our hand rail tubing. The base slips easily into the vertical tube.



ADJUSTABLE SADDLES FOR 1-1/2" (38 MM) THIN WALL TUBING

CAT. NO.	GRADE	FINISH	"C/L"
HR15VABS	316	Brushed Stainless	2-11/16" (68 mm)
HR15VAPS	316	Polished Stainless	2-11/16" (68 mm)
HR15VAPB	C260	Polished Brass	2-11/16" (68 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

ADJUSTABLE SADDLES FOR 2" (51 MM) THIN WALL TUBING

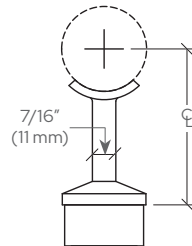
CAT. NO.	GRADE	FINISH	"C/L"
HR20VABS	316	Brushed Stainless	3-1/8" (79 mm)
HR20VAPS	316	Polished Stainless	3-1/8" (79 mm)
HR20VAPB	C260	Polished Brass	3-1/8" (79 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

CRL Straight Saddles

- Ready to Install
- Three Architectural Finishes
- Comes With Mounting Screws

CRL Straight Saddles attach to our hand rail tubing. The base slips easily into the vertical tube.



STRAIGHT SADDLES FOR 1-1/2" (38 MM) THIN WALL TUBING

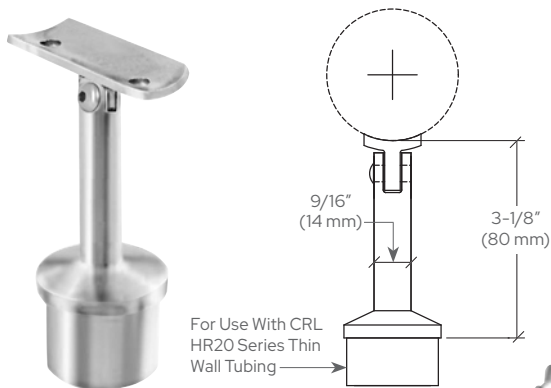
CAT. NO.	GRADE	FINISH	"C/L"
HR15VSBS	316	Brushed Stainless	2-3/4" (70 mm)
HR15VSPS	316	Polished Stainless	2-3/4" (70 mm)
HR15VSPB	C260	Polished Brass	2-3/4" (70 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

STRAIGHT SADDLES FOR 2" (51 MM) THIN WALL TUBING

CAT. NO.	GRADE	FINISH	"C/L"
HR20VSBS	316	Brushed Stainless	3-15/16" (100 mm)
HR20VSPS	316	Polished Stainless	3-15/16" (100 mm)
HR20VSPB	C260	Polished Brass	3-15/16" (100 mm)

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.



CRL Post Mounted Adjustable Radius Saddle Hand Rail Supports

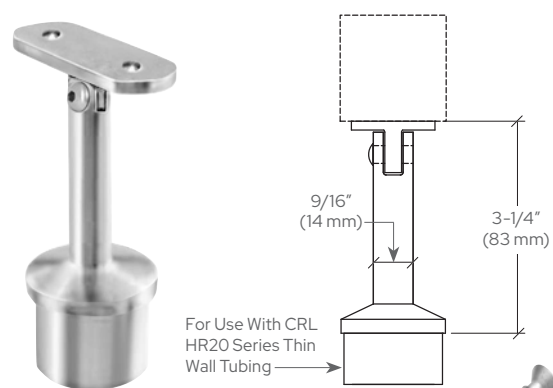
- Designed to Attach to Round Style Hand Rails 1-1/2" to 2" (38 mm to 51 mm) in Diameter
- Ready to Install in 2" (51 mm) Diameter Posts
- Comes With Mounting Screws

CAT. NO.	GRADE	FINISH
HR20ARBS	316	Brushed Stainless
HR20ARPS	316	Polished Stainless

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

Two Flat Head Phillips Self-Drilling 8-18 x 3/4" (19 mm) Long Stainless Steel Screws Included

NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).



CRL Post Mounted Adjustable Flat Saddle Hand Rail Supports

- Designed to Attach to Square Style Hand Rails
- Two Architectural Finishes
- Ready to Install in 2" (51 mm) Diameter Posts
- Comes With Mounting Screws

CAT. NO.	GRADE	FINISH
HR20ASBS	316	Brushed Stainless
HR20ASPS	316	Polished Stainless

Minimum order: 1 each. All Hand Rail Fittings can be combined for quantity pricing.

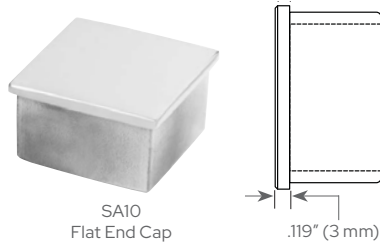
Two Flat Head Phillips Self-Drilling 8-18 x 3/4" (19 mm) Long Stainless Steel Screws Included

NOTE: Use Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement for a secure and permanent bond (see page 148).

CRL HRS Hand Railing Systems

CRL 1-1/2" Square O.D. Thin Wall Hand Rail Tubing

- 1-1/2" (38 mm) Square
- Two Architectural Finishes
- Ready to Install
- Available in Stock Lengths or Custom Fabricated to Your Specifications



1-1/2" (38 MM) SQUARE O.D. HAND RAIL TUBING

CAT. NO.	GRADE	FINISH	LENGTH	USE SLEEVE NO.
HRS15BS	304	Brushed Stainless	236" (6 m)#	GRS15CSS
HRS15PS	304	Polished Stainless	236" (6 m)#	GRS15CSS
HRS15BS98	304	Brushed Stainless	98" (2.49 m)	GRS15CSS
HRS15PS98	304	Polished Stainless	98" (2.49 m)	GRS15CSS

Minimum order: 1 each. All Hand Rail Tubing can be combined for quantity pricing. #Must ship via common carrier.

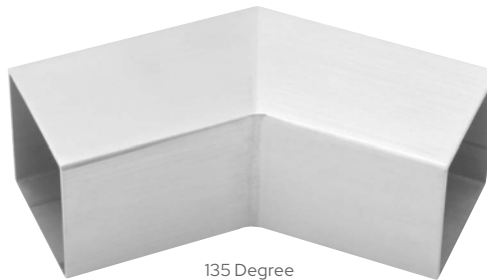
FLAT END CAPS FOR HRS15 SERIES HAND RAIL TUBING 1-1/2" (38 MM) SQUARE

CAT. NO.	GRADE	FINISH
SA10BS	304	Brushed Stainless
SA10PS	304	Polished Stainless

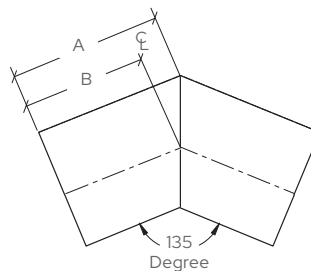
Minimum order: 1 each. All Railing End Caps can be combined for quantity pricing.

All CRL Hand Railing Tubing is formed using precision tooling to maintain uniform diameters, allowing for smooth hairline transitions at splices and end caps. Contact CRL Product Group Sales for more information or a quote.

NOTE: This Tubing is not designed for guard rail posts or top rails.

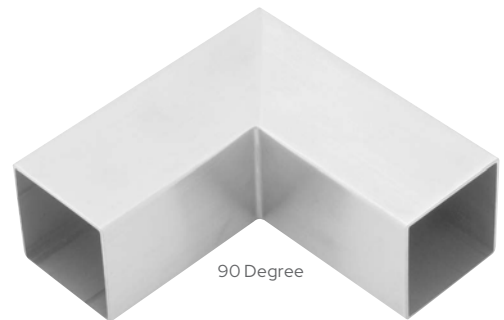


135 Degree

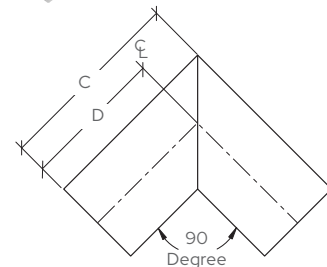


135 Degree

- A. 2-1/2" (64 mm)
- B. 2-3/16" (56 mm)
- C. 3-3/4" (95 mm)
- D. 3" (76 mm)



90 Degree



90 Degree

1-1/2" Square O.D. Thin Wall Hand Rail Tubing Fabricated Corners

- Ready to Install
- 304 Grade Stainless Welded and Finished
- Requires Two Connector Sleeves (Not Included) See Page 130
- Custom Angle Corners Available on Request

1-1/2" (38 MM) SQUARE FABRICATED CORNERS

CAT. NO.	CORNER ANGLE	GRADE	FINISH	USE SLEEVE NO.
HRS15HBS	90 Degree	304	Brushed Stainless	GRS15CSS
HRS15HPS	90 Degree	304	Polished Stainless	GRS15CSS
HRS15H3BS	135 Degree	304	Brushed Stainless	GRS15CSS
HRS15H3PS	135 Degree	304	Polished Stainless	GRS15CSS

Minimum order: 1 each. All Hand Rail Corners can be combined for quantity

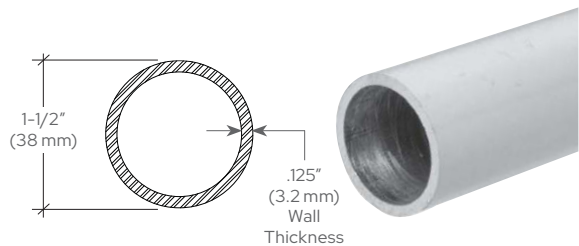
CRL HRS Hand Railing Systems

CRL 1-1/2" O.D. Heavy Wall Pipe Rail Tubing

- 1.5" (38 mm) Outside Diameter
- Four Architectural Finishes, Plus Mill Aluminum
- Available in Stock Lengths or Custom Fabricated to Your Specifications

CAT.NO	GRADE	FINISH	LENGTH	USE SLEEVE NO.
HRH15BS	304	Brushed Stainless	240" (6.10 m)	HRH15CSS
HRH15PS	304	Polished Stainless	240" (6.10 m)	HRH15CSS
HRH15M	6063	Mill Aluminum	240" (6.10 m)	RCB36
HRH15SA	6063	Satin Anodized	240" (6.10 m)	RCB36
HRH15DU	6063	Dark Bronze	240" (6.10 m)	RCB36

Minimum order: 1 each.

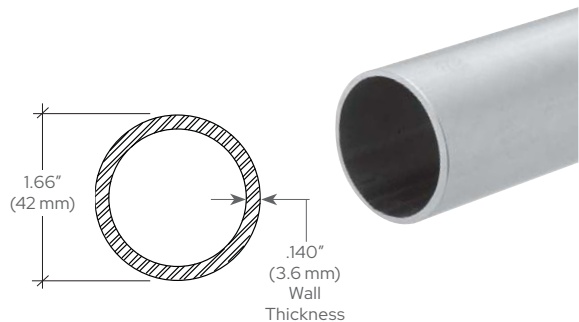


CRL 1-1/4" Schedule 40 Heavy Wall Pipe Rail Tubing

- 1.66" (42 mm) Outside Diameter
- Available in Brushed or Polished Stainless Steel

CAT.NO	GRADE	FINISH	LENGTH	USE SLEEVE NO.
PR12BS10	316	Brushed Stainless	120" (3.05 m)	PR16CSS
PR12BS20	316	Brushed Stainless	240" (6.10 m)	PR16CSS
PR12PS10	316	Polished Stainless	120" (3.05 m)	PR16CSS
PR12PS20	316	Polished Stainless	240" (6.10 m)	PR16CSS

Minimum order: 1 each.

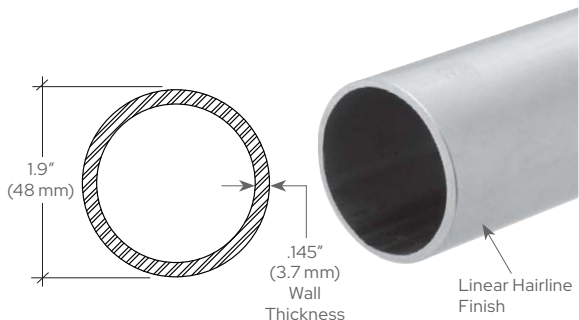


CRL 1-1/2" Schedule 40 Top Rail

- 1.9 (48 mm) Outside Diameter
- Four Architectural Finishes, Plus Mill Aluminum
- Available in Stock Lengths or Custom Fabricated to Your Specifications

CAT.NO	GRADE	FINISH	LENGTH	USE SLEEVE NO.
PR15BS10	316	Brushed Stainless	120" (3.05 m)	PR19CSS
PR15BS20	316	Brushed Stainless	240" (6.10 m)	PR19CSS
PR15PS10	316	Polished Stainless	120" (3.05 m)	PR19CSS
PR15PS20	316	Polished Stainless	240" (6.10 m)	PR19CSS
HR19M	6063	Mill Aluminum	240" (6.10 m)	GR19CSM
HR19SA	6063	Satin Anodized	240" (6.10 m)	GR19CSM
HR19DU	6063	Dark Bronze	240" (6.10 m)	GR19CSM

Minimum order: 1 each.



CRL 2" Square Top Rail

- 2" (51 mm) Outside Dimension
- Available in Brushed or Polished Stainless Steel

CAT.NO	GRADE	FINISH	LENGTH	USE SLEEVE NO.
PR2BS10	316	Brushed Stainless	120" (3.05 m)	PR20CSS
PR2BS20	316	Brushed Stainless	240" (6.10 m)	PR20CSS
PR2PS10	316	Polished Stainless	120" (3.05 m)	PR20CSS
PR2PS20	316	Polished Stainless	240" (6.10 m)	PR20CSS

Minimum order: 1 each.

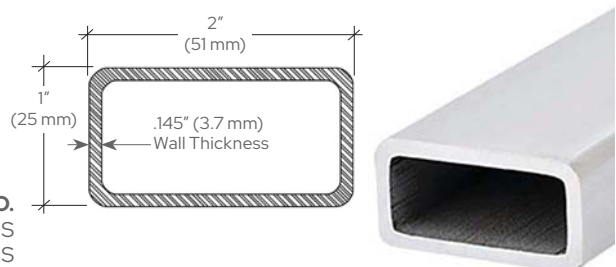


CRL 2" x 1" Rectangular Top Rail

- 2"x1" (51 mm x 25.4 mm) Outside Dimension
- Available in Brushed or Polished Stainless Steel
- Available in Stock Lengths or Custom Fabricated to Your Specifications

CAT.NO	GRADE	FINISH	LENGTH	USE SLEEVE NO.
PR1X2BS20	316	Brushed Stainless	240" (6.10 m)	PR1X2CSS
PR1X2PS20	316	Polished Stainless	240" (6.10 m)	PR1X2CSS

Minimum order: 1 each.



CRL HRS Hand Railing Systems

1-1/2" O.D. End Cap

- Ready to Install
- Custom End Caps Also Available
- Available in Four Architectural Finishes, Plus Mill Aluminum

FOR 1-1/2" (38 MM) O.D. TOP RAIL

CAT.NO	GRADE	FINISH	FITS TOP RAIL NO.	CAT.NO	GRADE	FINISH	FITS TOP RAIL NO.
HRH15ECBS	304	Brushed Stainless	HRH15BS	HRH15ECSA	6063	Satin Anodized	HRH15SA
HRH15ECPs	304	Polished Stainless	HRH15PS	HRH15ECDU	6063	Duranodic Bronze	HRH15DU
HRH15ECM	6063	Mill Aluminum	HRH15M				

Minimum order: 1 each.



1-1/4" Schedule 40 End Cap

- Ready to Install
- Custom End Caps Also Available
- Available in Two Architectural Finishes

FOR 1-1/4" SCHEDULE 40 TOP RAIL

CAT.NO	GRADE	FINISH	FITS TOP RAIL NO.	CAT.NO	GRADE	FINISH	FITS TOP RAIL NO.
PR12ECBS	304	Brushed Stainless	PR12BS10, PR12BS20	PR12ECPs	304	Polished Stainless	PR12PS10, PR12PS20

Minimum order: 1 each.



1-1/2" Schedule 40 End Cap

- Ready to Install
- Custom End Caps Also Available
- Available in Four Architectural Finishes Plus Mill Aluminum

FOR 1-1/2" SCHEDULE 40 TOP RAIL

CAT.NO	GRADE	FINISH	FITS TOP RAIL NO.	CAT.NO	GRADE	FINISH	FITS TOP RAIL NO.
PR15ECBS	316	Brushed Stainless	PR15BS10, PR15BS20	GR19ECBS	6063	Satin Anodized	HR19SA
PR15ECPs	316	Polished Stainless	PR15PS10, PR15PS20	GR19ECDU	6063	Duranodic Bronze	HR19DU
GR19ECM	6063	Mill Aluminum	HR19M				

Minimum order: 1 each.



2" Square End Cap

- Ready to Install
- Custom End Caps Also Available
- Available in Two Architectural Finishes

FOR 2" SQUARE O.D. TOP RAIL

CAT.NO	GRADE	FINISH	FITS TOP RAIL NO.	CAT.NO	GRADE	FINISH	FITS TOP RAIL NO.
PRS2ECBS	304	Brushed Stainless	PR2BS10, PR2BS20	PRS2ECPs	304	Polished Stainless	PR2PS10, PR2PS20

Minimum order: 1 each.



1" x 2" Rectangular End Cap

- Ready to Install
- Custom End Caps Also Available
- Available in Two Architectural Finishes

FOR 1" X 2" O.D. RECTANGULAR TOP RAIL

CAT.NO	GRADE	FINISH	FITS TOP RAIL NO.	CAT.NO	GRADE	FINISH	FITS TOP RAIL NO.
PR1X2ECBS	304	Brushed Stainless	PR1X2BS20	PR1X2ECPs	304	Polished Stainless	PR1X2PS20

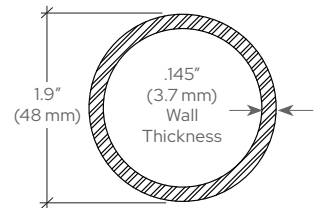
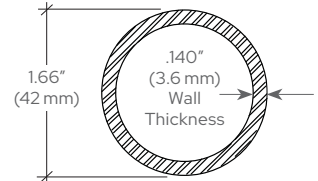
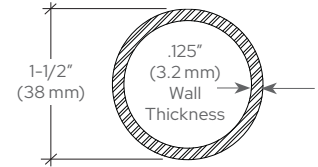
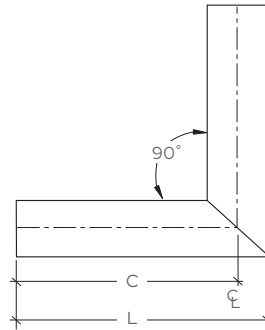
Minimum order: 1 each.



CRL HRS Hand Railing Systems

CRL Heavy Wall Pipe Rail Tubing 90 Degree Corners

- Ready To Install
- 304 and 316 Grade Stainless Steel
- Requires Two Connector Sleeves (Not Included)
- Three Sizes in Two Architectural Finishes
- Custom Angle Corners Available Upon request



1-1/2" O.D. FABRICATED 90 DEGREE CORNERS

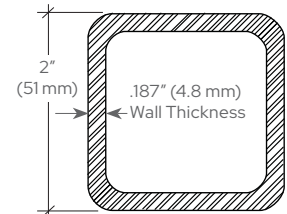
CAT.NO	GRADE	FINISH	O.D.	USE SLEEVE NO.	DIMENSIONS
HRH15HBS	304	Brushed Stainless	1.5"	HRH15CSS	L= 6" (152 mm)
HRH15HPS	304	Polished Stainless	1.5"	HRH15CSS	C=5-1/4" (133 mm)

1-1/4" SCHEDULE 40 FABRICATED (1.66" O.D.) 90 DEGREE CORNERS

CAT.NO	GRADE	FINISH	O.D.	USE SLEEVE NO.	DIMENSIONS
PR12HBS	316	Brushed Stainless	1.66"	PR16CSS	L= 6" (152 mm)
PR12HPS	316	Polished Stainless	1.66"	PR16CSS	C=5-3/16" (131 mm)

1-1/2" SCHEDULE 40 FABRICATED (1.9" O.D.) 90 DEGREE CORNERS

CAT.NO	GRADE	FINISH	O.D.	USE SLEEVE NO.	DIMENSIONS
PR15HBS	316	Brushed Stainless	1.9"	PR19CSS	L= 6" (152 mm)
PR15HPS	316	Polished Stainless	1.9"	PR19CSS	C=5-1/16" (128 mm)

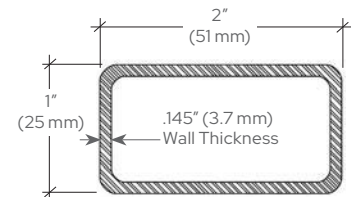


2" SQUARE FABRICATED TOP CAP 90 DEGREE CORNERS

CAT.NO	GRADE	FINISH,	USE SLEEVE NO.	DIMENSIONS
PR2HBS	316	Brushed Stainless	PR20CSS	L= 6" (152 mm)
PR2HPS	316	Polished Stainless	PR20CSS	C=5-1/16" (128 mm)

1" X 2" RECTANGULAR TUBING FABRICATED 90 DEGREE CORNERS

CAT.NO	GRADE	FINISH	USE SLEEVE NO.	DIMENSIONS
PR1X2HBS	316	Brushed Stainless	PR1X2CSS	L= 6" (152 mm)
PR1X2HPS	316	Polished Stainless	PR1X2CSS	C=5-1/16" (128 mm)



Minimum order: 1 each.

CRL Hand Rail and Pipe Rail Internal Splice 90 Degree Corners

- Ready To Install
- Designed for Aluminum Tubing Only
- Internal Sleeves for Connecting Satin Anodized and Duranodic Bronze Tubing
- Custom Angle Corners Available Upon request



HRH1590M



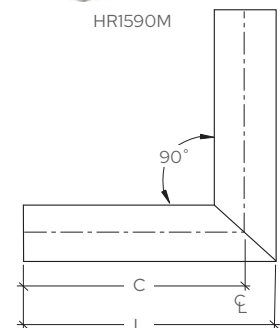
HRH1590M

INTERNAL SPLICE 90 DEGREE CORNER FOR 1-1/2" O.D. PIPE RAIL TUBING (.125" WALL THICKNESS)

CAT.NO	GRADE	MATERIAL	FOR USE WITH	DIMENSIONS
HRH1590M	6063	Aluminum	HRH15M, HRH15SA, HRH15DU	L=4"(102 mm)
				C=3-3/4" (95.3 mm)

INTERNAL SPLICE 90 DEGREE CORNERS FOR 1-1/2" SCHEDULE 40 (1.9" O.D.) PIPE RAIL TUBING (.145 WALL THICKNESS)

CAT.NO	GRADE	MATERIAL	FOR USE WITH	DIMENSIONS
HRH1590M	6063	Aluminum	HRH19M, HRH19SA, HRH19DU	L=4" (102 mm)
				C=3-11/16" (93.7 mm)

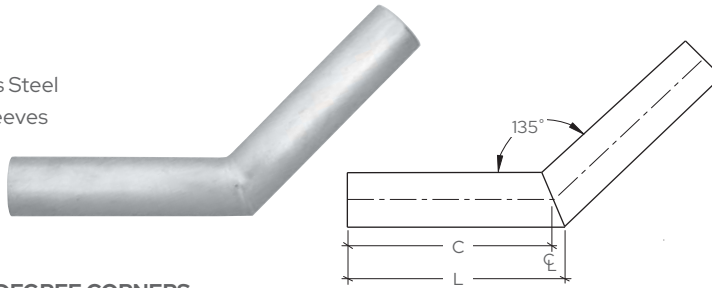


Minimum order: 1 each.

CRL HRS Hand Railing Systems

CRL Heavy Wall Pipe Rail Tubing 135 Degree Corners

- Ready To Install
- 304 and 316 Grade Stainless Steel
- Requires Two Connector Sleeves (Not Included)
- Three Sizes in Two Architectural Finishes
- Custom Angle Corners Available Upon request



1-1/2" O.D. FABRICATED 90 DEGREE CORNERS

CAT.NO	GRADE	FINISH	O.D.	USE SLEEVE NO.	DIMENSIONS
HRH15H3BS	304	Brushed Stainless	1.5"	HRH15CSS	L= 6" (152 mm)
HRH15H3PS	304	Polished Stainless	1.5"	HRH15CSS	C=5-11/16" (144.5 mm)

1-1/4" SCHEDULE 40 FABRICATED (1.66" O.D.) 90 DEGREE CORNERS

CAT.NO	GRADE	FINISH	O.D.	USE SLEEVE NO.	DIMENSIONS
PR12H3BS	316	Brushed Stainless	1.66"	PR16CSS	L= 6" (152 mm)
PR12H3PS	316	Polished Stainless	1.66"	PR16CSS	C=5-5/8" (142.9 mm)

1-1/2" SCHEDULE 40 FABRICATED (1.9" O.D.) 90 DEGREE CORNERS

CAT.NO	GRADE	FINISH	O.D.	USE SLEEVE NO.	DIMENSIONS
PR15H3BS	316	Brushed Stainless	1.9"	PR19CSS	L= 6" (152 mm)
PR15H3PS	316	Polished Stainless	1.9"	PR19CSS	C=5-5/8" (142.9 mm)

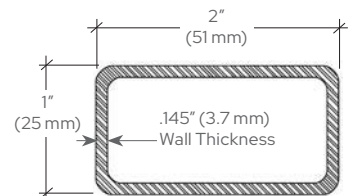
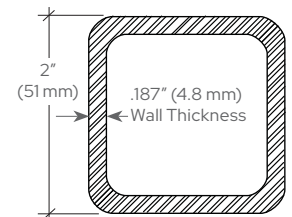
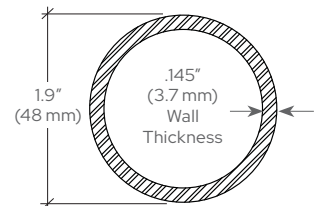
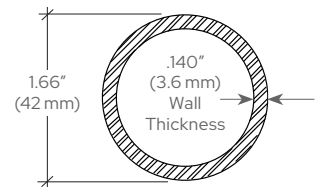
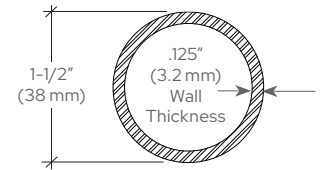
2" SQUARE FABRICATED TOP CAP 90 DEGREE CORNERS

CAT.NO	GRADE	FINISH,	USE SLEEVE NO.	DIMENSIONS
PR2H3BS	316	Brushed Stainless	PR20CSS	L= 6" (152 mm)
PR2H3PS	316	Polished Stainless	PR20CSS	C=5-9/16" (141.3 mm)

1" X 2" RECTANGULAR TUBING FABRICATED 90 DEGREE CORNERS

CAT.NO	GRADE	FINISH	USE SLEEVE NO.	DIMENSIONS
PR1X2H3BS	316	Brushed Stainless	PR1X2CSS	L= 6" (152 mm)
PR1X2H3PS	316	Polished Stainless	PR1X2CSS	C=5-9/16" (141.3 mm)

Minimum order: 1 each.



CRL Hand Rail and Pipe Rail Internal Splice 135 Degree Corners

- Ready To Install
- Designed for Aluminum Tubing Only
- Internal Sleeves for Connecting Satin Anodized and Duranodic Bronze Tubing
- Custom Angle Corners Available Upon request

INTERNAL SPLICE 90 DEGREE CORNER FOR 1-1/2" O.D. PIPE RAIL TUBING (.125" WALL THICKNESS)

CAT.NO	GRADE	MATERIAL	FOR USE WITH	DIMENSIONS
HRH15135M	6063	Aluminum	HRH15M, HRH15SA, HRH15DU	L=4" (102 mm) C=3-3/4" (95.3 mm)

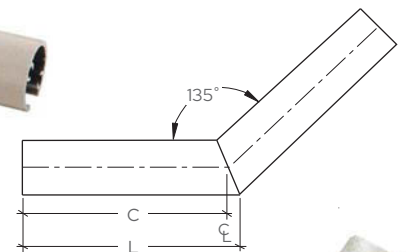
INTERNAL SPLICE 90 DEGREE CORNERS FOR 1-1/2" SCHEDULE 40 (1.9" O.D.) PIPE RAIL TUBING (.145 WALL THICKNESS)

CAT.NO	GRADE	MATERIAL	FOR USE WITH	DIMENSIONS
HR15135M	6063	Aluminum	HR19M, HR19SA, HR19DU	L=4" (102 mm) C=3-11/16" (93.7 mm)

Minimum order: 1 each.



HRH15135M



HR15135M

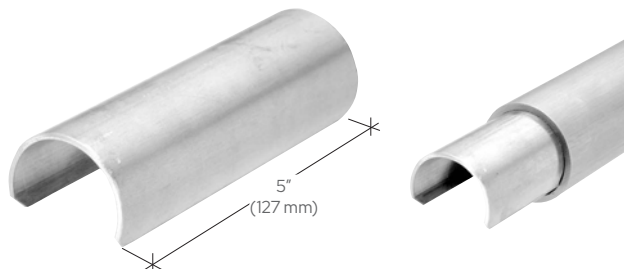
CRL HRS Hand Railing Systems

1-1/2" Schedule 40 (1.5" O.D.) Connector Sleeve

- Provides Proper Alignment Between Railing Splices
- Shaped to fit and Ready to Install in Pipe Railings
- Use Cat No. 7649 Primer and Cat No. 32629 Metal Contact Cement to Achieve a Secure and Permanent Bond at all Locations

CAT.NO	GRADE	MATERIAL	FOR USE WITH
HRH15CSS	304	Stainless Steel	HRH15BS, HRH15PS
RCB36	6063	Aluminum	HRH15M, HRH15SA, HRH15DU

Minimum order: 1 each.

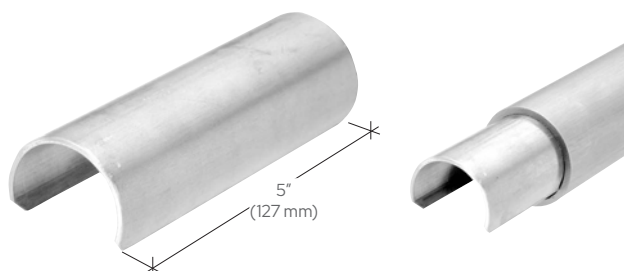


1-1/4" Schedule 40 (1.66" O.D.) Connector Sleeve

- Provides Proper Alignment Between Railing Splices
- Shaped to fit and Ready to Install in Pipe Railings
- Use Cat No. 7649 Primer and Cat No. 32629 Metal Contact Cement to Achieve a Secure and Permanent Bond at all Locations

CAT.NO	GRADE	MATERIAL	FOR USE WITH
PR16CSS	316	Stainless Steel	PR12BS10, PR12BS20 PR12PS10, PR12PS20

Minimum order: 1 each.

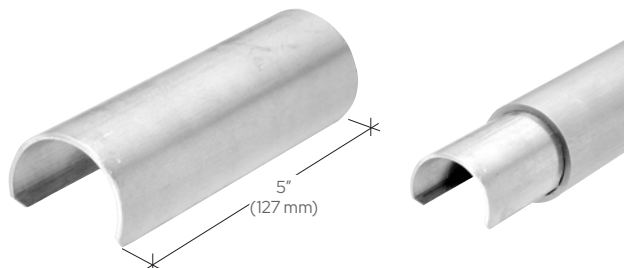


1-1/2" Schedule 40 (1.9" O.D.) Connector Sleeve

- Provides Proper Alignment Between Railing Splices
- Shaped to fit and Ready to Install in Pipe Railings
- Use Cat No. 7649 Primer and Cat No. 32629 Metal Contact Cement to Achieve a Secure and Permanent Bond at all Locations

CAT.NO	GRADE	MATERIAL	FOR USE WITH
PR19CSS	316	Stainless Steel	PR15BS10, PR15BS20 PR15PS10, PR15PS20
GR19CSM	6063	Aluminum	HR19M, HR19SA, HR19DU

Minimum order: 1 each.

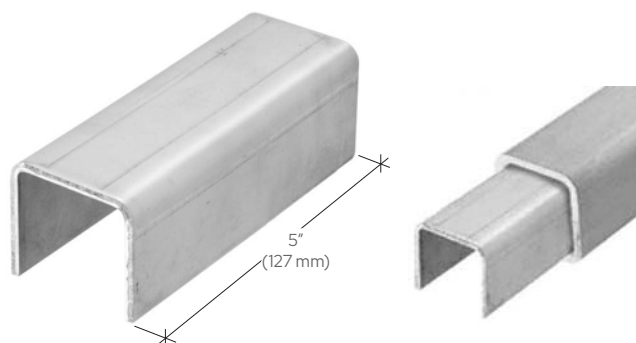


2" Square Outside Dimension Splice Connector Sleeve

- Provides Proper Alignment Between Railing Splices
- Shaped to fit and Ready to Install in Pipe Railings
- Use Cat No. 7649 Primer and Cat No. 32629 Metal Contact Cement to Achieve a Secure and Permanent Bond at all Locations

CAT.NO	GRADE	MATERIAL	FOR USE WITH
PR20CSS	316	Stainless Steel	PR2BS10, PR2BS20 PR2PS10, PR2PS20

Minimum order: 1 each.



1" x 2" Rectangular Splice Connector Sleeve

- Provides Proper Alignment Between Railing Splices
- Shaped to fit and Ready to Install in Pipe Railings
- Use Cat No. 7649 Primer and Cat No. 32629 Metal Contact Cement to Achieve a Secure and Permanent Bond at all Locations

CAT.NO	GRADE	MATERIAL	FOR USE WITH
PR1X2CSS	316	Stainless Steel	PR1X2BS20, PR1X2PS20

Minimum order: 1 each.



CRL Blumcraft® Hand Railing Systems

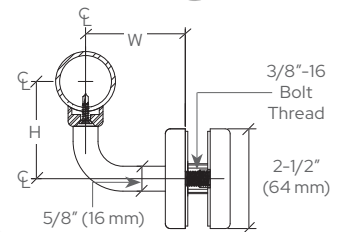
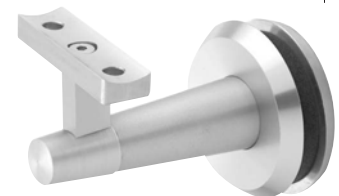
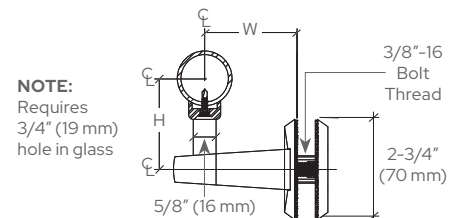


CRL Blumcraft® Pacific Series Glass Mounted Hand Rail Brackets

- For 1-1/2" to 2" (38 to 51 mm) Diameter Round Non-Slotted Hand Rail Tubing
- Designed for 1/2" to 1-1/16" (12 to 25.52 mm) Thick Tempered Glass

CAT. NO.	GRADE	FINISH	C/L-"W"	1-1/2" C/L-"H"
WBNSCSA	6063	Satin Anodized	2-9/16" (65 mm)	2-1/2" (64 mm)
WBNSCDU	6063	Dark Bronze Anodized	2-9/16" (65 mm)	2-1/2" (64 mm)
WBNSCM	6063	Mill Aluminum	2-9/16" (65 mm)	2-1/2" (64 mm)
WBNSCBS	316	Brushed Stainless	2-9/16" (65 mm)	2-1/2" (64 mm)
WBNSCPS	316	Polished Stainless	2-9/16" (65 mm)	2-1/2" (64 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing.
Uses Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws to Attach Hand Rail (not included). See Page 132.



NOTE:
Requires 3/4" (19 mm) hole in glass

CRL Blumcraft® Imperial Series Glass Mounted Hand Rail Brackets

- For 1-1/2" to 2" (38 to 51 mm) Diameter Round Non-Slotted Hand Rail Tubing
- Designed for 1/2" to 1-1/16" (12 to 25.52 mm) Thick Tempered Glass

CAT. NO.	GRADE	FINISH	C/L-"W"	1-1/2" C/L-"H"
WBNCCSA	6063	Satin Anodized	2-1/2" (64 mm)	2-7/16" (62 mm)
WBNCCDU	6063	Dark Bronze Anodized	2-1/2" (64 mm)	2-7/16" (62 mm)
WBNCCM	6063	Mill Aluminum	2-1/2" (64 mm)	2-7/16" (62 mm)
WBNCCBS	316	Brushed Stainless	2-1/2" (64 mm)	2-7/16" (62 mm)
WBNCCPS	316	Polished Stainless	2-1/2" (64 mm)	2-7/16" (62 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing.
Uses Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws to Attach Hand Rail (not included). See Page 132.

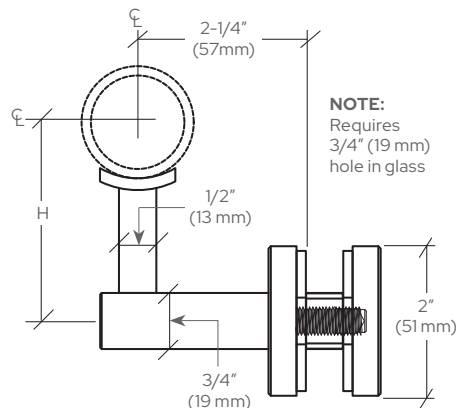
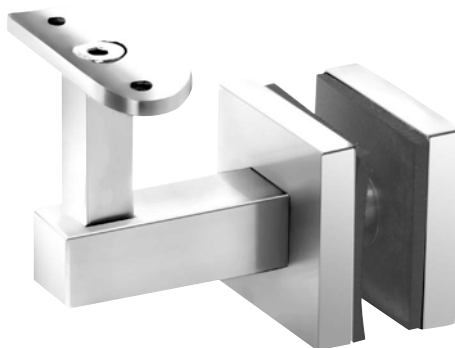
CRL HRS Hand Railing Systems

CRL Shore Series Glass Mounted Hand Rail Brackets

- Ready-to-Install for 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing
- Two Architectural Finishes Available
- Suitable for 1/2" to 1-1/16" (12 to 25.52 mm) Glass Thickness
- Can Also be Used for Wall Applications
- 316 Grade Stainless Steel



Optional Flat Hand Rail Adapter Plate
*CAT. NO. **HBFP1**



CAT. NO.	GRADE	FINISH	1-1/2" & 1.66" C/L-"H"	1.9" & 2" C/L-"H"
HR5EGBS	316	Brushed Stainless	2-11/16" (68 mm)	2-15/16" (75 mm)
HR5EGPS	316	Polished Stainless	2-11/16" (68 mm)	2-15/16" (75 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order..

Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included

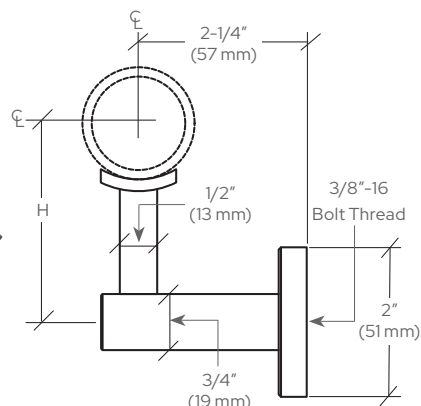
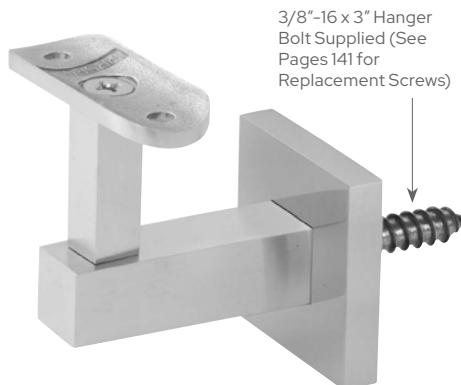


CRL Shore Series Wall Mounted Hand Rail Brackets

- Ready-to-Install for 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing
- Two Architectural Finishes Available
- 316 Grade Stainless Steel



Optional Flat Hand Rail Adapter Plate
*CAT. NO. **HBFP1**



CAT. NO.	GRADE	FINISH	1-1/2" & 1.66" C/L-"H"	1.9" & 2" C/L-"H"
HR5EWBS	316	Brushed Stainless	2-11/16" (68 mm)	2-15/16" (75 mm)
HR5EWPS	316	Polished Stainless	2-11/16" (68 mm)	2-15/16" (75 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order.

Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included

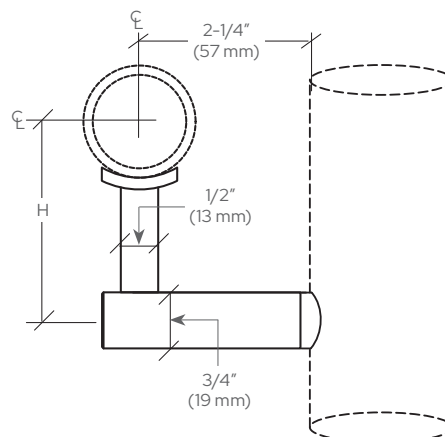


CRL Shore Series Post Mounted Hand Rail Brackets

- Supports for 1-1/2" to 2" (38 to 51 mm) Diameter Hand Railing Tubing
- Ready to Mount to 1-1/4" to 1-1/2" (32 to 38 mm) Schedule 40 Vertical Posts
- Two Architectural Finishes Available
- 316 Grade Stainless Steel



Optional Flat Hand Rail Adapter Plate
*CAT. NO. **HBFP1**



CAT. NO.	GRADE	FINISH	1-1/2" & 1.66" C/L-"H"	1.9" & 2" C/L-"H"
HR5EPBS	316	Brushed Stainless	2-11/16" (68 mm)	2-15/16" (75 mm)
HR5EPPS	316	Polished Stainless	2-11/16" (68 mm)	2-15/16" (75 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order.

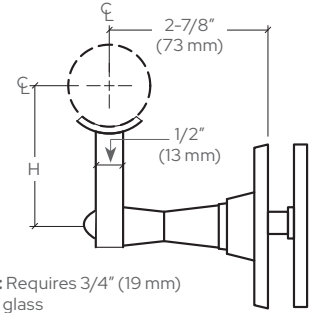
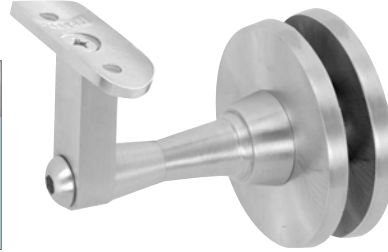
Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included



CRL HRS Hand Railing Systems

CRL Manhattan Series Glass Mounted Hand Rail Brackets

- 2-Way Adjustable
- Five Architectural Finishes Plus Mill Finish Aluminum
- For 1-1/2", 1.9" or 2" (38, 48 or 51 mm) Diameter Hand Rail Tubing
- Designed for 1/2" to 1-1/16" (12 to 25.52 mm) Glass



NOTE: Requires 3/4" (19 mm) hole in glass

CAT. NO.	GRADE	FINISH	1-1/2" C/L-"H"	1.9" & 2" C/L-"H"
HR2SGMA	6063	Mill Aluminum	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SGSA	6063	Satin Anodized	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SGDU	6063	Dark Bronze Anodized	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SGBS	316	Brushed Stainless	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SGPS	316	Polished Stainless	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SGPB	C260	Polished Brass	2-9/16" (65 mm)	2-13/16" (71 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order



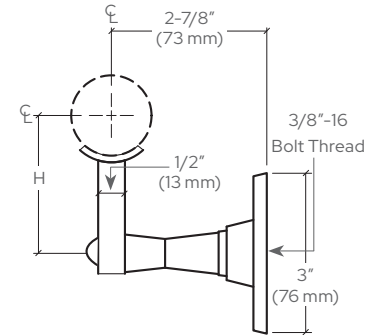
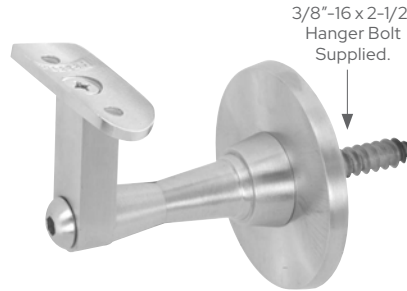
Optional Flat Hand Rail Adapter Plate
***CAT. NO. HBFP1**

Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included



CRL Manhattan Series Wall Mounted Hand Rail Brackets

- 2-Way Adjustable
- Ready to Install
- Five Architectural Finishes Plus Mill Finish Aluminum
- For 1-1/2", 1.9" or 2" (38, 48 or 51 mm) Diameter Hand Rail Tubing



CAT. NO.	GRADE	FINISH	1-1/2" C/L-"H"	1.9" & 2" C/L-"H"
HR2SWMA	6063	Mill Aluminum	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SWSA	6063	Satin Anodized	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SWDU	6063	Dark Bronze Anodized	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SWBS	316	Brushed Stainless	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SWPS	316	Polished Stainless	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SWPB	C260	Polished Brass	2-9/16" (65 mm)	2-13/16" (71 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order



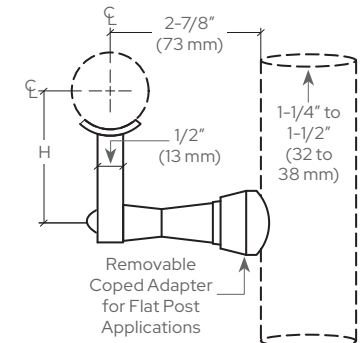
Optional Flat Hand Rail Adapter Plate
***CAT. NO. HBFP1**

Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included



CRL Manhattan Series Post Mounted Hand Rail Brackets

- Ready to Mount to Either 1-1/4" or 1-1/2" (32 or 38 mm) Schedule 40 Vertical Posts
- Five Architectural Finishes Plus Mill Finish Aluminum
- For 1-1/2", 1.9" or 2" (38, 48 or 51 mm) Diameter Hand Rail Tubing



CAT. NO.	GRADE	FINISH	1-1/2" C/L-"H"	1.9" & 2" C/L-"H"
HR2SPMA	6063	Mill Aluminum	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SPSA	6063	Satin Anodized	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SPDU	6063	Dark Bronze Anodized	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SPBS	316	Brushed Stainless	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SPPS	316	Polished Stainless	2-9/16" (65 mm)	2-13/16" (71 mm)
HR2SPPB	C260	Polished Brass	2-9/16" (65 mm)	2-13/16" (71 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order



Optional Flat Hand Rail Adapter Plate
***CAT. NO. HBFP1**

Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included



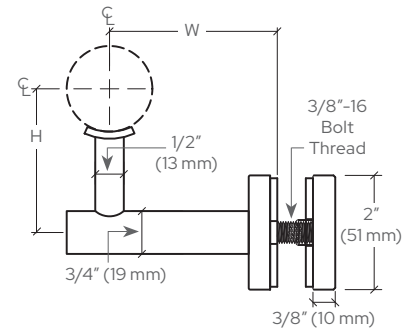
CRL HRS Hand Railing Systems

CRL Malibu Series Glass Mounted Hand Rail Brackets

- Two Architectural Finishes Plus Mill Finish Aluminum
- For 1-1/2", 1.9" or 2" (38, 48 or 51 mm) Diameter Hand Rail Tubing
- Designed for 1/2" to 1-1/16" (12 to 25.52 mm) Glass



Optional Flat Hand Rail Adapter Plate
*CAT. NO. **HBFP1**



Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included

NOTE: Requires 3/4" (19 mm) hole in glass

C/L-"W" 2-15/16" (75 MM)
CAT. NO.
HR2EGBS
HR2EGPS
HR2EGMA

C/L-"W" 2-1/4" (57 MM)
CAT. NO.
HR3EGBS
HR3EGPS
HR3EGMA

GRADE
316
316
6063

FINISH
Brushed Stainless
Polished Stainless
Mill Aluminum

1-1/2" & 1.66" C/L-"H"
2-1/2" (64 mm)
2-1/2" (64 mm)
2-1/2" (64 mm)

1.9" & 2" C/L-"H"
2-11/16" (68 mm)
2-11/16" (68 mm)
2-11/16" (68 mm)

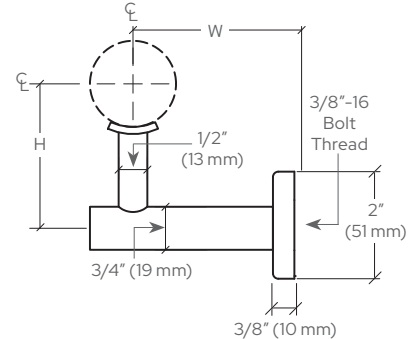
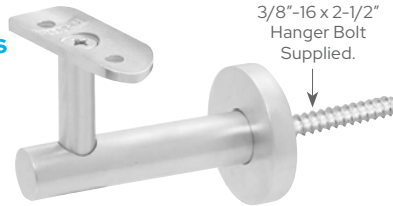
Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order

CRL Malibu Series Wall Mounted Hand Rail Brackets

- Two Architectural Finishes Plus Mill Finish Aluminum
- For 1-1/2", 1.9" or 2" (38, 48 or 51 mm) Diameter Hand Rail Tubing
- Ready to Install



Optional Flat Hand Rail Adapter Plate
*CAT. NO. **HBFP1**



3/8"-16 x 2-1/2" Hanger Bolt Supplied.

Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included

C/L-"W" 2-15/16" (75 MM)
CAT. NO.
HR2EWBS
HR2EWPS
HR2EWMA

C/L-"W" 2-1/4" (57 MM)
CAT. NO.
HR3EWBS
HR3EWPS
HR3EWMA

GRADE
316
316
6063

FINISH
Brushed Stainless
Polished Stainless
Mill Aluminum

1-1/2" & 1.66" C/L-"H"
2-1/2" (64 mm)
2-1/2" (64 mm)
2-1/2" (64 mm)

1.9" & 2" C/L-"H"
2-11/16" (68 mm)
2-11/16" (68 mm)
2-11/16" (68 mm)

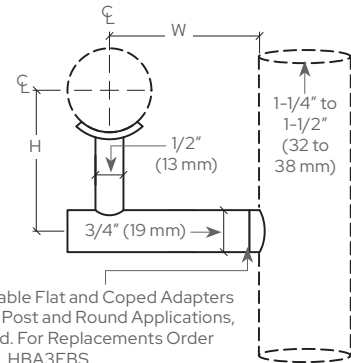
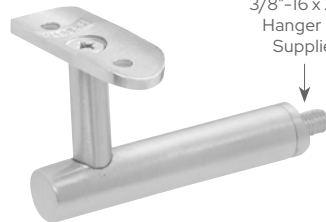
Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order.

CRL Malibu Series Post Mounted Hand Rail Brackets

- Two Architectural Finishes Plus Mill Finish Aluminum
- For 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing
- Ready to Mount to 1-1/4" or 1-1/2" (32 or 38 mm) Schedule 40 Vertical Posts



Optional Flat Hand Rail Adapter Plate
*CAT. NO. **HBFP1**



3/8"-16 x 2-1/2" Hanger Bolt Supplied.

Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included

Removable Flat and Coped Adapters for Flat Post and Round Applications, Included. For Replacements Order Cat. No. HBA3EBS

C/L-"W" 2-15/16" (75 MM)
CAT. NO.
HR2EPBS
HR2EPPS
HR2EPMMA

C/L-"W" 2-1/4" (57 MM)
CAT. NO.
HR3EPBS
HR3EPPS
HR3EPMMA

GRADE
316
316
6063

FINISH
Brushed Stainless
Polished Stainless
Mill Aluminum

1-1/2" & 1.66" C/L-"H"
2-1/2" (64 mm)
2-1/2" (64 mm)
2-1/2" (64 mm)

1.9" & 2" C/L-"H"
2-11/16" (68 mm)
2-11/16" (68 mm)
2-11/16" (68 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order.

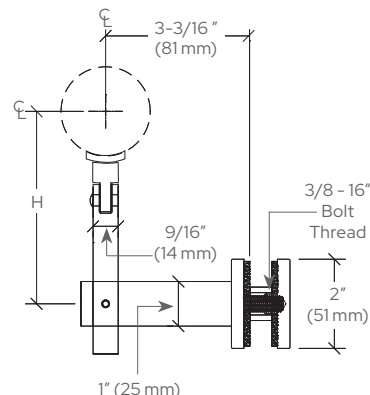
CRL HRS Hand Railing Systems

CRL Sunset Series Glass Mounted Hand Rail Brackets

- 3-Way Adjustable
- Two Architectural Finishes
- For 1-1/2", 1.9" or 2" (38, 48 or 51 mm) Diameter Hand Rail Tubing
- Designed for 1/2" to 1-1/16" (12 to 25.52 mm) Glass
- 316 Grade Stainless Steel



NOTE:
Requires
3/4" (19 mm)
hole in glass
See Page
141 for Hand
Rail Bracket
Wrench



Optional Flat Hand Rail
Adapter Plate
***CAT. NO. HBFPI**



Two PRS1032TC Flat Head Phillips
#10-32 x 3/4" Stainless Steel Thread
Cutting Machine Screws Included

CAT. NO.
HR2JGBS
HR2JGPS

GRADE
316
316

FINISH
Brushed Stainless
Polished Stainless

1-1/2" C/L-"H"
1-9/16" to 3-1/4" (40 to 82 mm)
1-9/16" to 3-1/4" (40 to 82 mm)

1.9" & 2" C/L-"H"
1-3/4" to 3-7/16" (44 to 87 mm)
1-3/4" to 3-7/16" (44 to 87 mm)

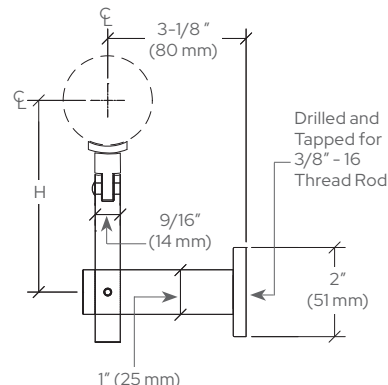
Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order.

CRL Sunset Series Wall Mounted Hand Rail Brackets

- 3-Way Adjustable
- Ready to Install
- Two Architectural Finishes
- For 1-1/2", 1.9" or 2" (38, 48 or 51 mm) Diameter Hand Rail Tubing
- 316 Grade Stainless Steel



3/8"-16 x 2-1/2"
Hanger Bolt
Supplied



Optional Flat Hand Rail
Adapter Plate
***CAT. NO. HBFPI**



Two PRS1032TC Flat Head Phillips
#10-32 x 3/4" Stainless Steel Thread
Cutting Machine Screws Included

CAT. NO.
HR2JWBS
HR2JWPS

GRADE
316
316

FINISH
Brushed Stainless
Polished Stainless

1-1/2" C/L-"H"
1-9/16" to 3-1/4" (40 to 82 mm)
1-9/16" to 3-1/4" (40 to 82 mm)

1.9" & 2" C/L-"H"
1-3/4" to 3-7/16" (44 to 87 mm)
1-3/4" to 3-7/16" (44 to 87 mm)

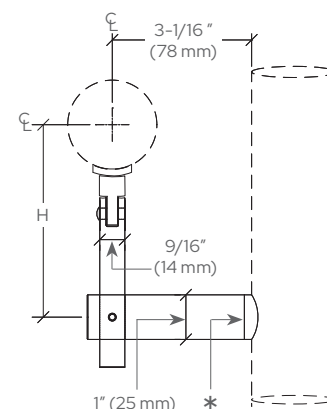
Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order.

CRL Sunset Series Post Mounted Hand Rail Brackets

- 3-Way Adjustable
- Ready to Install
- Two Architectural Finishes
- For 1-1/2", 1.9" or 2" (38, 48 or 51 mm) Diameter Hand Rail Tubing
- Can Also Be Mounted to Flat Surfaces
- 316 Grade Stainless Steel



* Removable
Flat and Coped
Adapters for Flat
and Round Post
Applications,
Included. For
Replacements
Order Cat. No.
HBA2JBS.



Optional Flat Hand Rail
Adapter Plate
***CAT. NO. HBFPI**



Two PRS1032TC Flat Head Phillips
#10-32 x 3/4" Stainless Steel Thread
Cutting Machine Screws Included

CAT. NO.
HR2JPBS
HR2JPSP

GRADE
316
316

FINISH
Brushed Stainless
Polished Stainless

1-1/2" C/L-"H"
1-9/16" to 3-1/4" (40 to 82 mm)
1-9/16" to 3-1/4" (40 to 82 mm)

1.9" & 2" C/L-"H"
1-3/4" to 3-7/16" (44 to 87 mm)
1-3/4" to 3-7/16" (44 to 87 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order.

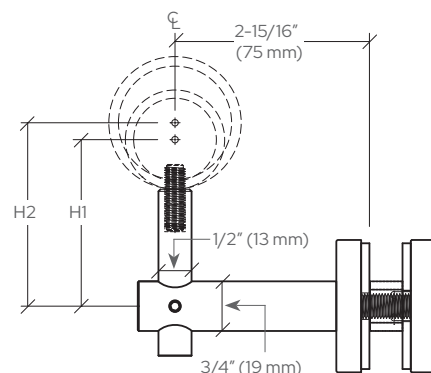
CRL HRS Hand Railing Systems

CRL Coastal Series Glass Mounted Hand Rail Brackets

- 2-Way Adjustable
- Ready to Install
- Two Architectural Finishes Plus Mill Finish Aluminum
- For 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing
- Designed for 1/2" to 1-1/16" (12 to 25.52 mm) Glass
- 316 Grade Stainless Steel



(See Pages 142 for Replacement Bolts)



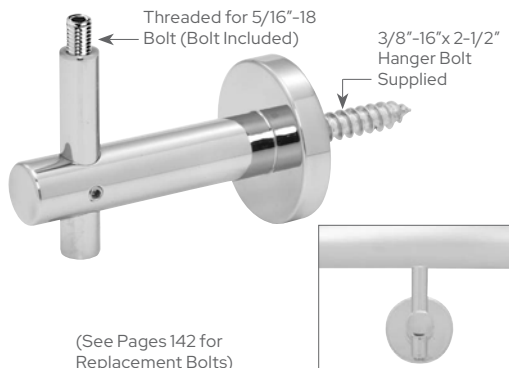
NOTE: Requires 3/4" (19 mm) hole in glass. Not for use with thin wall .049" hand rail tubing without the use of CRL's Riv-Nut system. Heavy wall tubing is recommended for this bracket.

CAT. NO.	GRADE	FINISH	1-1/2" & 1.66" C/L-"H1"	1.9" & 2" C/L-"H2"
HR2FGBS	316	Brushed Stainless	2-1/2" (64 mm)	2-11/16" (68 mm)
HR2FGPS	316	Polished Stainless	2-1/2" (64 mm)	2-11/16" (68 mm)
HR2FGMA	6063	Mill Aluminum	2-1/2" (64 mm)	2-11/16" (68 mm)

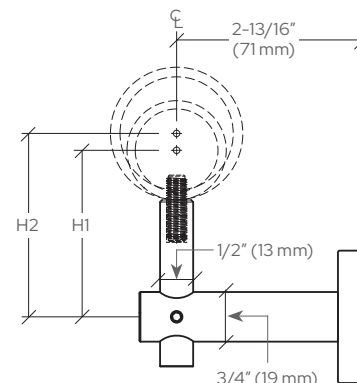
Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing.

CRL Coastal Series Wall Mounted Hand Rail Brackets

- 2-Way Adjustable
- Ready to Install
- Two Architectural Finishes Plus Mill Finish Aluminum
- For 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing
- 316 Grade Stainless Steel



(See Pages 142 for Replacement Bolts)



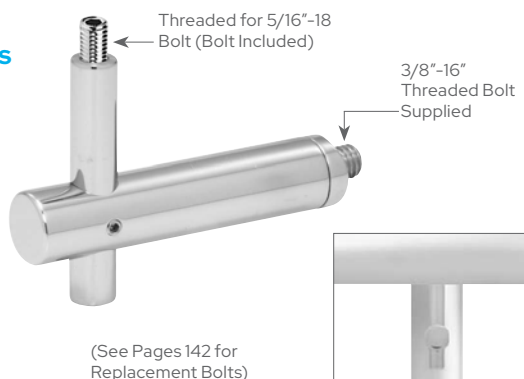
NOTE: Not for use with thin wall .049" hand rail tubing without the use of CRL's Riv-Nut system. Heavy wall tubing is recommended for this bracket.

CAT. NO.	GRADE	FINISH	1-1/2" & 1.66" C/L-"H1"	1.9" & 2" C/L-"H2"
HR2FWBS	316	Brushed Stainless	2-1/2" (64 mm)	2-11/16" (68 mm)
HR2FWPS	316	Polished Stainless	2-1/2" (64 mm)	2-11/16" (68 mm)
HR2FWMA	6063	Mill Aluminum	2-1/2" (64 mm)	2-11/16" (68 mm)

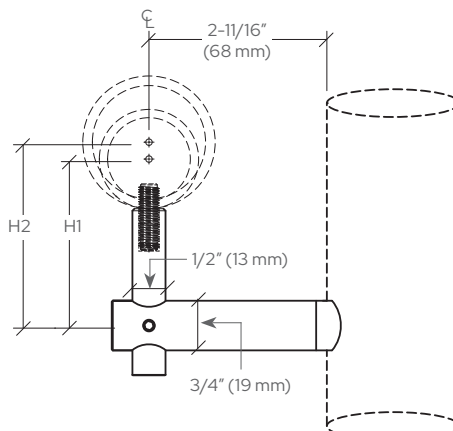
Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing.

CRL Coastal Series Post Mounted Hand Rail Brackets

- 2-Way Adjustable
- Ready to Install
- Two Architectural Finishes Plus Mill Finish Aluminum
- For 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing
- 316 Grade Stainless Steel



(See Pages 142 for Replacement Bolts)



NOTE: Not for use with thin wall .049" hand rail tubing without the use of CRL's Riv-Nut system. Heavy wall tubing is recommended for this bracket.

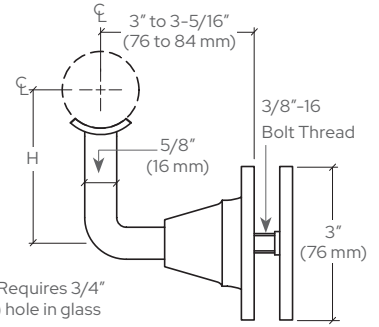
CAT. NO.	GRADE	FINISH	1-1/2" & 1.66" C/L-"H1"	1.9" & 2" C/L-"H2"
HR2FPBS	316	Brushed Stainless	2-1/2" (64 mm)	2-11/16" (68 mm)
HR2FPPS	316	Polished Stainless	2-1/2" (64 mm)	2-11/16" (68 mm)
HR2FPMA	6063	Mill Aluminum	2-1/2" (64 mm)	2-11/16" (68 mm)

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

CRL HRS Hand Railing Systems

CRL Newport Series Glass Mounted Hand Rail Brackets

- Ready to Install
- Five Architectural Finishes Plus Mill Finish Aluminum
- For 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing
- Designed for 1/2" to 1-1/16" (12 to 25.52 mm) Glass



NOTE: Requires 3/4" (19 mm) hole in glass

CAT. NO.	GRADE	FINISH	1-1/2" & 166"C/L-"H"	1.9" & 2" C/L-"H"
HR2DGMA	6063	Mill Aluminum	3" (76 mm)	3-1/4" (83 mm)
HR2DGSA	6063	Satin Anodized	3" (76 mm)	3-1/4" (83 mm)
HR2DGDU	6063	Dark Bronze Anodized	3" (76 mm)	3-1/4" (83 mm)
HR2DGBS	316	Brushed Stainless	3" (76 mm)	3-1/4" (83 mm)
HR2DGPS	316	Polished Stainless	3" (76 mm)	3-1/4" (83 mm)
HR2DGPB	C260	Polished Brass	3" (76 mm)	3-1/4" (83 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order



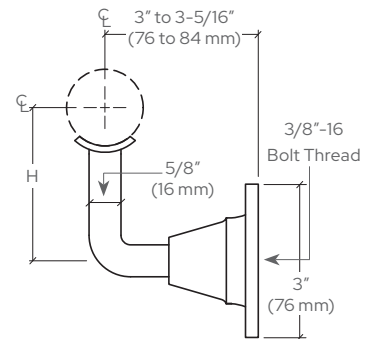
Optional Flat Hand Rail Adapter Plate
***CAT. NO. HBFP1**

Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included



CRL Newport Series Wall Mounted Hand Rail Brackets

- 3-Way Adjustable
- Ready to Install
- Five Architectural Finishes Plus Mill Finish Aluminum
- For 1-1/2", 1.9" or 2" (38, 48 or 51 mm) Diameter Hand Rail Tubing



NOTE: See Page 198 for our Conversion Cap Set to Change a Wall Mount Bracket to a Glass Mount Bracket.

CAT. NO.	GRADE	FINISH	1-1/2" & 166"C/L-"H"	1.9" & 2" C/L-"H"
HR2DWMMA	6063	Mill Aluminum	3" (76 mm)	3-1/4" (83 mm)
HR2DWSA	6063	Satin Anodized	3" (76 mm)	3-1/4" (83 mm)
HR2DWDU	6063	Dark Bronze Anodized	3" (76 mm)	3-1/4" (83 mm)
HR2DWBS	316	Brushed Stainless	3" (76 mm)	3-1/4" (83 mm)
HR2DWPS	316	Polished Stainless	3" (76 mm)	3-1/4" (83 mm)
HR2DWPB	C260	Polished Brass	3" (76 mm)	3-1/4" (83 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order



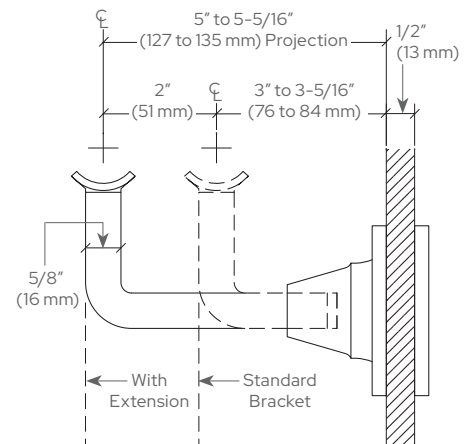
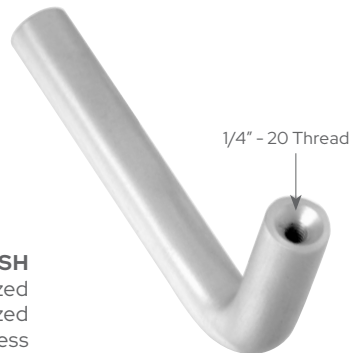
Optional Flat Hand Rail Adapter Plate
***CAT. NO. HBFP1**

Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included



CRL Newport Series Extension Arms for HR2D Series Brackets

- Allows for Up to 2" (51 mm) of Additional Extension From Mounting Surface
- Five Architectural Finishes Available



CAT. NO.	GRADE	FINISH
HR2DXSA	6063	Satin Anodized
HR2DXDU	6063	Dark Bronze Anodized
HR2DXBS	316	Brushed Stainless
HR2DXPS	316	Polished Stainless
HR2DXPB	C260	Polished Brass

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. *Specify finish at time of order.

CRL HRS Hand Railing Systems

CRL La Jolla Series Glass Mounted Hand Rail Brackets

- 2-Way Adjustable
- Three Architectural Finishes
- For 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing
- Designed for 1/2" to 3/4" (12 to 19 mm) Glass

FOR 1-1/2" & 1.66" (38 & 42 MM) DIAMETER HAND RAIL TUBING

CAT. NO.	GRADE	FINISH
HR15GABS	316	Brushed Stainless
HR15GAPS	316	Polished Stainless
HR15GAPB	C260	Polished Brass

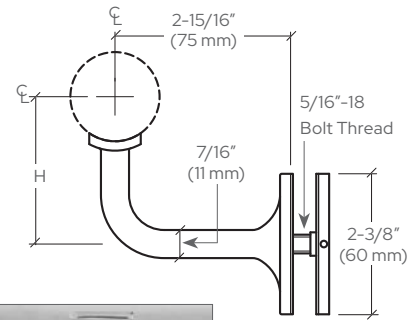
C/L-"H"
2-15/16" (75 mm)
2-15/16" (75 mm)
2-15/16" (75 mm)

FOR 1.9" & 2" (48 & 51 MM) DIAMETER HAND RAIL TUBING

CAT. NO.	GRADE	FINISH
HR20GABS	316	Brushed Stainless
HR20GAPS	316	Polished Stainless
HR20GAPB	C260	Polished Brass

C/L-"H"
3-1/4" (83 mm)
3-1/4" (83 mm)
3-1/4" (83 mm)

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



NOTE: Requires 3/4" (19 mm) hole in glass

Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included



CRL La Jolla Series Wall Mounted Hand Rail Brackets

- 2-Way Adjustable
- Ready to Install
- Three Architectural Finishes
- For 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing

FOR 1-1/2" & 1.66" (38 & 42 MM) DIAMETER HAND RAIL TUBING

CAT. NO.	GRADE	FINISH
HR15WABS	316	Brushed Stainless
HR15WAPS	316	Polished Stainless
HR15WAPB	C260	Polished Brass

C/L-"H"
2-15/16" (75 mm)
2-15/16" (75 mm)
2-15/16" (75 mm)

FOR 1.9" & 2" (48 & 51 MM) DIAMETER HAND RAIL TUBING

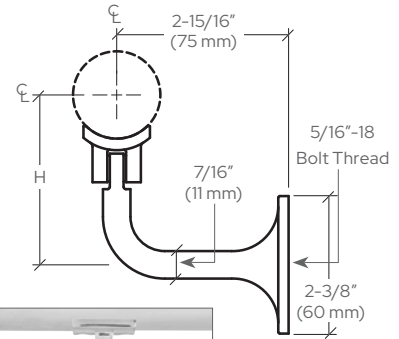
CAT. NO.	GRADE	FINISH
HR20WABS	316	Brushed Stainless
HR20WAPS	316	Polished Stainless
HR20WAPB	C260	Polished Brass

C/L-"H"
3-1/4" (83 mm)
3-1/4" (83 mm)
3-1/4" (83 mm)

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



5/16"-18 x 2-1/2" Hanger Bolt Supplied.



Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included



CRL Pismo Series Glass Mounted Hand Rail Brackets

- Three Architectural Finishes
- For 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing
- Designed for 1/2" to 3/4" (12 to 19 mm) Glass

FOR 1-1/2" & 1.66" (38 & 42 MM) DIAMETER HAND RAIL TUBING

CAT. NO.	GRADE	FINISH
HR15GBS	316	Brushed Stainless
HR15GPS	316	Polished Stainless
HR15GPB	C260	Polished Brass

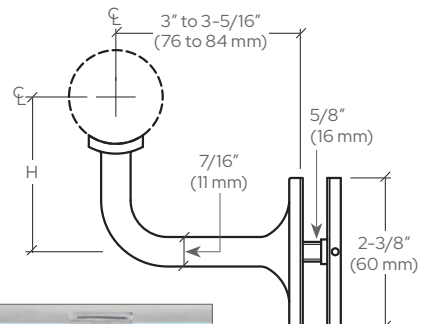
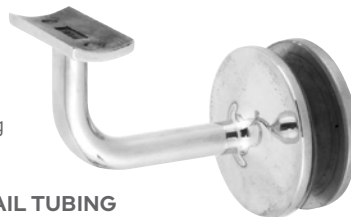
C/L-"H"
2-1/2" (64 mm)
2-1/2" (64 mm)
2-1/2" (64 mm)

FOR 1.9" & 2" (48 & 51 MM) DIAMETER HAND RAIL TUBING

CAT. NO.	GRADE	FINISH
HR20GBS	316	Brushed Stainless
HR20GPS	316	Polished Stainless
HR20GPB	C260	Polished Brass

C/L-"H"
2-3/4" (70 mm)
2-3/4" (70 mm)
2-3/4" (70 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing. A Hanger Bolt is also included to convert to wall mounting.



NOTE: Requires 3/4" (19 mm) hole in glass

Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included



CRL HRS Hand Railing Systems

CRL Pismo Series Wall Mounted Handle Rail Brackets

- Ready to Install
- Three Architectural Finishes
- For 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing

FOR 1-1/2" & 1.66" (38 & 42 MM) DIAMETER HAND RAIL TUBING

CAT. NO.	GRADE	FINISH	C/L-"H"
HR15B4BS	316	Brushed Stainless	2-1/2" (64 mm)
HR15B4PS	316	Polished Stainless	2-1/2" (64 mm)
HR15B4PB	C260	Polished Brass	2-1/2" (64 mm)

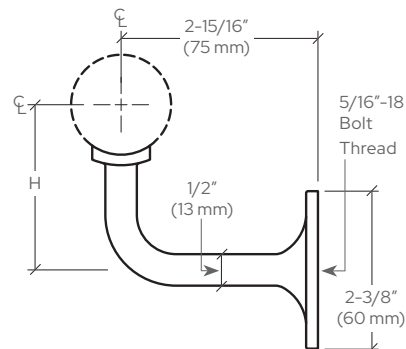
FOR 1.9" & 2" (48 & 51 MM) DIAMETER HAND RAIL TUBING

CAT. NO.	GRADE	FINISH	C/L-"H"
HR20B4BS	316	Brushed Stainless	2-3/4" (70 mm)
HR20B4PS	316	Polished Stainless	2-3/4" (70 mm)
HR20B4PB	C260	Polished Brass	2-3/4" (70 mm)

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



5/16"-18 x 2-1/2"
Hanger Bolt
Supplied.



Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included



CRL Del Mar Series Wall Mounted Short Arm Hand Rail Brackets

- Ready to Install
- Three Architectural Finishes
- For 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing

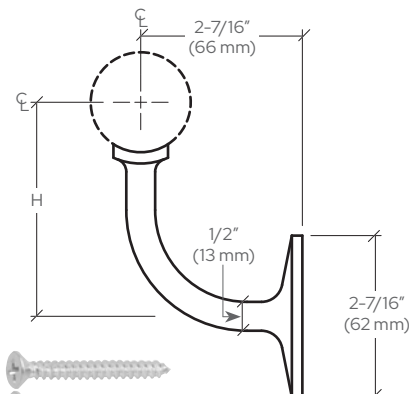
FOR 1-1/2" & 1.66" (38 & 42 MM) DIAMETER HAND RAIL TUBING

CAT. NO.	GRADE	FINISH	C/L-"H"
HR15TBBS	316	Brushed Stainless	3-3/16" (81 mm)
HR15TPBS	316	Polished Stainless	3-3/16" (81 mm)
HR15TPB	C260	Polished Brass	3-3/16" (81 mm)

FOR 1.9" & 2" (48 & 51 MM) DIAMETER HAND RAIL TUBING

CAT. NO.	GRADE	FINISH	C/L-"H"
HR20TBBS	316	Brushed Stainless	3-7/16" (87 mm)
HR20TPBS	316	Polished Stainless	3-7/16" (87 mm)
HR20TPB	C260	Polished Brass	3-7/16" (87 mm)

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



Supplied with Three #12 x 2" Wood Screws

Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included



CRL Del Mar Series Wall Mounted Long Arm Hand Rail Brackets

- Ready to Install
- Three Architectural Finishes
- For 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing

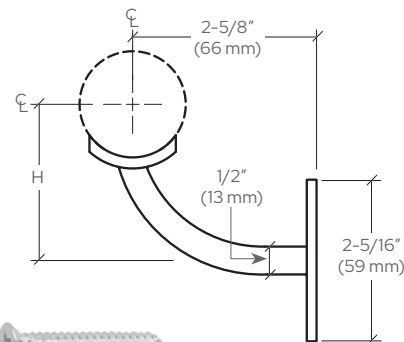
FOR 1-1/2" & 1.66" (38 & 42 MM) DIAMETER HAND RAIL TUBING

CAT. NO.	GRADE	FINISH	C/L-"H"
HR15B3BS	316	Brushed Stainless	2-3/16" (56 mm)
HR15B3PS	316	Polished Stainless	2-3/16" (56 mm)
HR15B3PB	C260	Polished Brass	2-3/16" (56 mm)

FOR 1.9" & 2" (48 & 51 MM) DIAMETER HAND RAIL TUBING

CAT. NO.	GRADE	FINISH	C/L-"H"
HR20B3BS	316	Brushed Stainless	2-7/16" (62 mm)
HR20B3PS	316	Polished Stainless	2-7/16" (62 mm)
HR20B3PB	C260	Polished Brass	2-7/16" (62 mm)

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



Supplied with Three #12 x 2" Wood Screws

Two PRS1032TC Flat Head Phillips #10-32 x 3/4" Stainless Steel Thread Cutting Machine Screws Included



CRL HRS Hand Railing Systems

CRL Meridian Series Glass Mounted Hand Rail Brackets

- Ready to Install
- Two Architectural Finishes
- Designed for 1/2" to 1-1/16" (12 to 25.52 mm) Glass
- For 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing



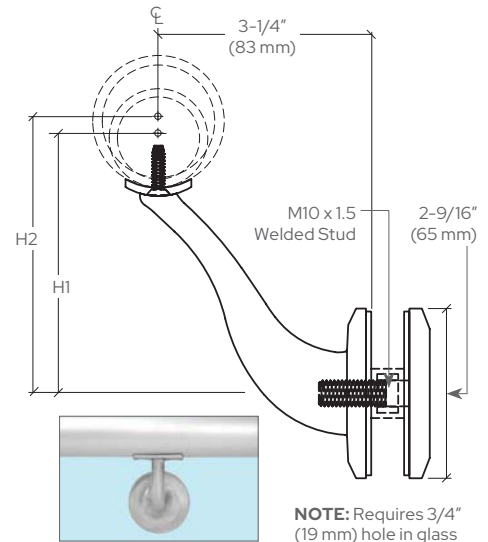
Optional Flat Hand Rail Adapter Plate
*CAT. NO. HBFP1

Two PRS1032TC Flat Head Phillips
#10-32 x 3/4" Stainless Steel Thread
Cutting Machine Screws Included



CAT. NO.	GRADE	FINISH	1-1/2" & 1.66" C/L-"H1"	1.9" & 2" C/L-"H2"
HR4GBS	316	Brushed Stainless	3-7/8" (98 mm)	4-1/8" (105 mm)
HR4GPS	316	Polished Stainless	3-7/8" (98 mm)	4-1/8" (105 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing.
*Specify finish at time of order.



CRL Meridian Series Wall Mounted Hand Rail Brackets

- Ready to Install
- Two Architectural Finishes
- 316 Grade Stainless Steel
- For 1-1/2" to 2" (38 to 51 mm) Diameter Hand Rail Tubing



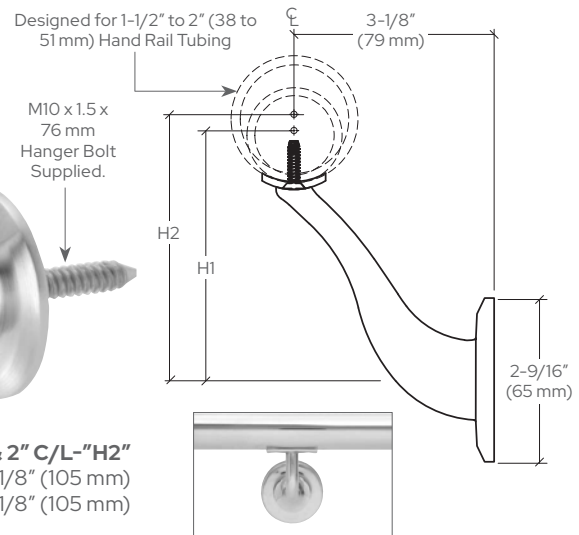
Optional Flat Hand Rail Adapter Plate
*CAT. NO. HBFP1

Two PRS1032TC Flat Head Phillips
#10-32 x 3/4" Stainless Steel Thread
Cutting Machine Screws Included



CAT. NO.	GRADE	FINISH	1-1/2" & 1.66" C/L-"H1"	1.9" & 2" C/L-"H2"
HR4WBS	316	Brushed Stainless	3-7/8" (98 mm)	4-1/8" (105 mm)
HR4WPS	316	Polished Stainless	3-7/8" (98 mm)	4-1/8" (105 mm)

Minimum order: 1 each. All Railing Brackets can be combined for quantity pricing.
*Specify finish at time of order.

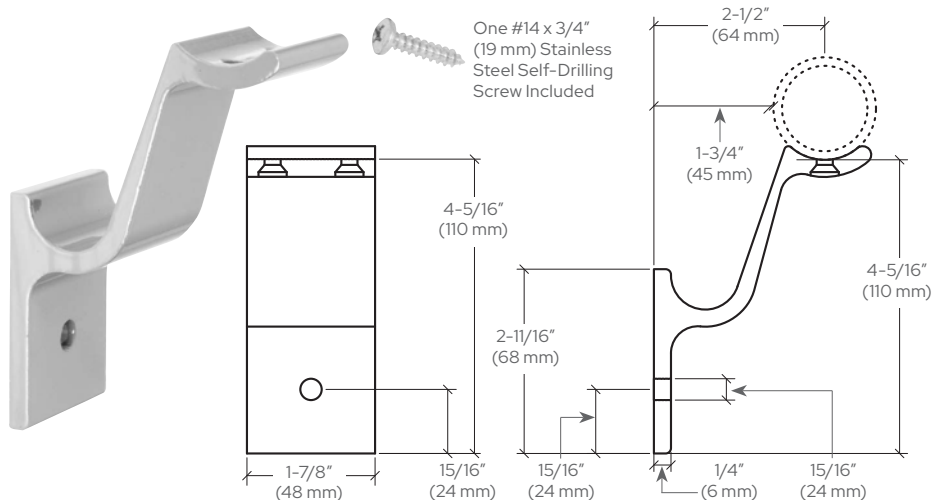


CRL Quick Connect Aluminum Hand Rail Brackets

- Seven Standard Powder Coated Finishes, Plus Mill Aluminum
- For 1-1/2" (38 mm) Hand Rail Tubing
- 6005 Alloy Pre-Treated Aluminum/T5 Temper

CAT. NO.	COLOR
ARHB1W	Sky White
ARHB1BL	Matte Black
ARHB1BRZ	Matte Bronze
ARHB1S	Silver Metallic
ARHB1M	Mill Aluminum

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



CRL HRS Hand Railing Systems

CRL Conversion Cap Set HR2D or HR2S for Newport Series Hand Rail Brackets

- Converts Any HR2D or HR2S Series Wall Mount Bracket to Glass Mount
- For Use on 1/2" (12 mm) Tempered Glass
- Four Architectural Finishes Plus Mill Aluminum

CAT. NO.	GRADE	FINISH
HR2CKMA	6063	Mill Aluminum
HR2CKSA	6063	Satin Anodized
HR2CKDU	6063	Duranodic Bronze
HR2CKBS	316	Brushed Stainless
HR2CKPS	316	Polished Stainless

Minimum order: 1 each.



Each pack contains one each Cap, one each 3/8"-16 x 1-1/4" (32 mm) Allen Screw, two 2-7/8" (73 mm) Rubber Gaskets, and one each 3/4" (19 mm) Plastic Grommet.

NOTE: Requires 3/4" (19 mm) hole in glass

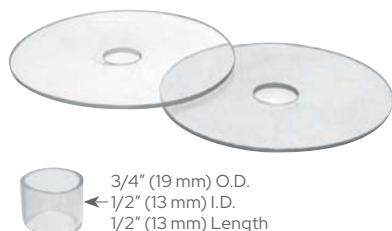


Front View

Back View

CRL Replacement Gaskets and Grommet Packs for Hand Rail Brackets

HR15G, HR15GA, HR20G, and HR20GA Series

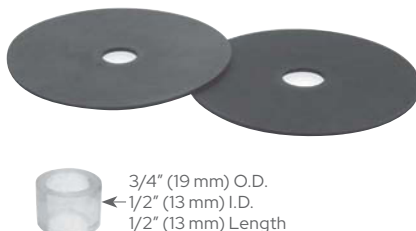


Each CRL Replacement Gasket and Grommet Pack includes two each 2-5/16" (59 mm) diameter Rubber Gaskets and one each Plastic Grommet.

CAT. NO. RGGP1

Minimum order is one pack.

HR2DG, HR2EG, HR2FG, HR2JG, HR2SG, HR3EG, and HR4G Series



Each CRL Replacement Gasket and Grommet Pack includes two each 2-7/8" (73 mm) diameter Rubber Gaskets and one each Plastic Grommet.

CAT. NO. RGGP2

Minimum order is one pack.

HR5EG, HR5EW, and HR5EP Series



Each CRL Replacement Gasket and Grommet Pack includes two each 1-7/8" (48 mm) square Rubber Gaskets and one each Plastic Grommet.

CAT. NO. RGGP5

Minimum order is one pack.

CRL Replacement Screw Packs for Hand Rail Brackets



RSP1 PACK

Each pack contains two each #10-32 x 3/4" (19 mm) Flat Head Phillips Thread Cutting Machine Screws and one each 3/8"-16 x 3" (76 mm) Hanger Bolt. For Bracket Series: HR5EW, HR2JW, HR2FW, HR2SW, HR2DW



RSP3 PACK

Each pack contains two each #10-32 x 3/4" (19 mm) Flat Head Phillips Thread Cutting Machine Screws and one each 5/16"-18 x 2-1/2" (64 mm) Hanger Bolt. For Bracket Series: HR15B4, HR20B4, HR15WA, HR20WA



RSP5 PACK

Each pack contains two each #10-32 x 3/4" (19 mm) Flat Head Phillips Thread Cutting Machine Screws and three each 12 x 2" (51 mm) Phillips Flat Head Screws. For Bracket Series: HR15T, HR20T, HR15B3, HR20B3

BRUSHED STAINLESS
CAT. NO.
RSP1BS
RSP3BS
RSP5BS

Minimum order: 1 pack.

POLISHED STAINLESS
CAT. NO.
RSP1PS
RSP3PS

BRASS PLATED
CAT. NO.
RSP1PB
RSP3PB
RSP5PB

SATIN ANODIZED
CAT. NO.
RSP1SA

DARK BRONZE
CAT. NO.
RSP1DU



CRL Hand Rail Bracket Spanner Wrench

- Easily Tightens Glass Mount Hand Rail Brackets
- For Use on 2", 2-3/8", 2-1/2", and 3" (51, 60, 64, and 76 mm) Diameter Brackets

CAT. NO. SWHR1

Minimum order: 1 each.

CRL HRS Hand Railing Systems

CRL Stainless Steel Concrete Anchors

- For Use With HRS Hand Rail Brackets

CAT. NO.	THREAD SIZE	LENGTH
CA1222	3/8"-16	2-1/4" (57 mm)

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



CRL Stainless Steel Hanger Bolts

- For Use With HRS Hand Rail Brackets

CAT. NO.	THREAD SIZE	LENGTH
HB516212S	5/16"-18	2-1/2" (64 mm)
HB383S	3/8"-16	3" (76 mm)

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



CRL Stainless Steel Threaded Rods

- For Use With HRS Hand Rail Brackets
- 36" Rods Can Be Cut to Desired Size for Custom Installations
- Stainless Finish

CAT. NO.	THREAD SIZE	LENGTH
TR51618X36S	5/16"-18	36" (914 mm)
TR3816X36S	3/8"-16	36" (914 mm)

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



CRL Stainless Steel Allen Screws

- For Use With HRS Hand Rail Brackets

CAT. NO.	THREAD SIZE	LENGTH
AS516112	5/16"-18	1-1/2" (38 mm)
AS516134	5/16"-18	1-3/4" (45 mm)
AS5162	5/16"-18	2" (51 mm)
AS5163	5/16"-18	3" (76 mm)
AS381	3/8"-16	1" (25.4 mm)
AS38114	3/8"-16	1-1/4" (31.7 mm)
AS38112	3/8"-16	1-1/2" (38 mm)
AS38134	3/8"-16	1-3/4" (45 mm)
AS382	3/8"-16	2" (51 mm)

Minimum order: 10 each. Must be ordered in increments of 10. Sizes can be combined for quantity pricing.



CRL SNAPTOGGLE® Toggle Anchors

- Heavy-Duty Wall Anchors
- Great for Hand Rails, Grab Bars, Display Standoffs, and Glass Shelving
- Designed for Use With Gypsum Board, Concrete, Cement Board, Plaster, Stucco, Plywood, Steel Studs, and Composite Panels

CRL SNAPTOGGLE® Toggle Anchors pre-install without a bolt and can be installed using a screw gun because the anchor won't spin in the hole. They also allow for bolt or fixture removal without the anchor falling behind the wall. SNAPTOGGLE® can be used in drywall, plaster, cement board, hollow walls of block, brick, stucco, fiberglass, and wood.

NOTE: Bolts sold separately.

CAT. NO.	BOLT THREAD	DRILL HOLE	GRIP RANGE
TB1420	1/4" - 20	1/2" (13 mm)	3/8" - 3-5/8" (10 - 92 mm)
TB51618	5/16" - 18	3/4" (19 mm)	3/8" - 2-1/2" (10 - 64 mm)
TB3816	3/8" - 16	3/4" (19 mm)	3/8" - 2-1/2" (10 - 64 mm)

Minimum order: 10 each. Must be ordered in increments of 10. Sizes can be combined for quantity pricing.



Cat. No. TB1420
Accepts 1/4"-20 Bolt



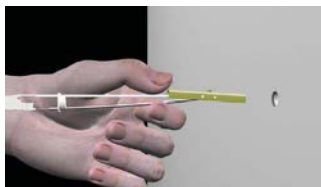
Cat. No. TB51618
Accepts 5/16"-18 Bolt



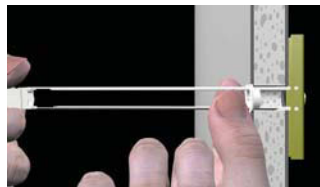
Cat. No. TB3816
Accepts 3/8"-16 Bolt

Installation Instructions

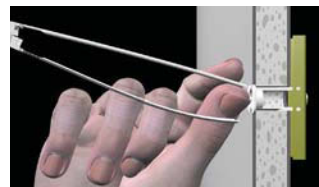
- Installs in Minutes



Drill appropriate size hole. Hold metal channel flat alongside plastic straps and slide channel through the hole. Minimum clearance behind wall is only 1-7/8" (48 mm).



Hold ends of straps together between thumb and forefinger and pull toward you until channel rests behind wall. Ratchet cap along straps with other hand until flange of cap is flush with wall.

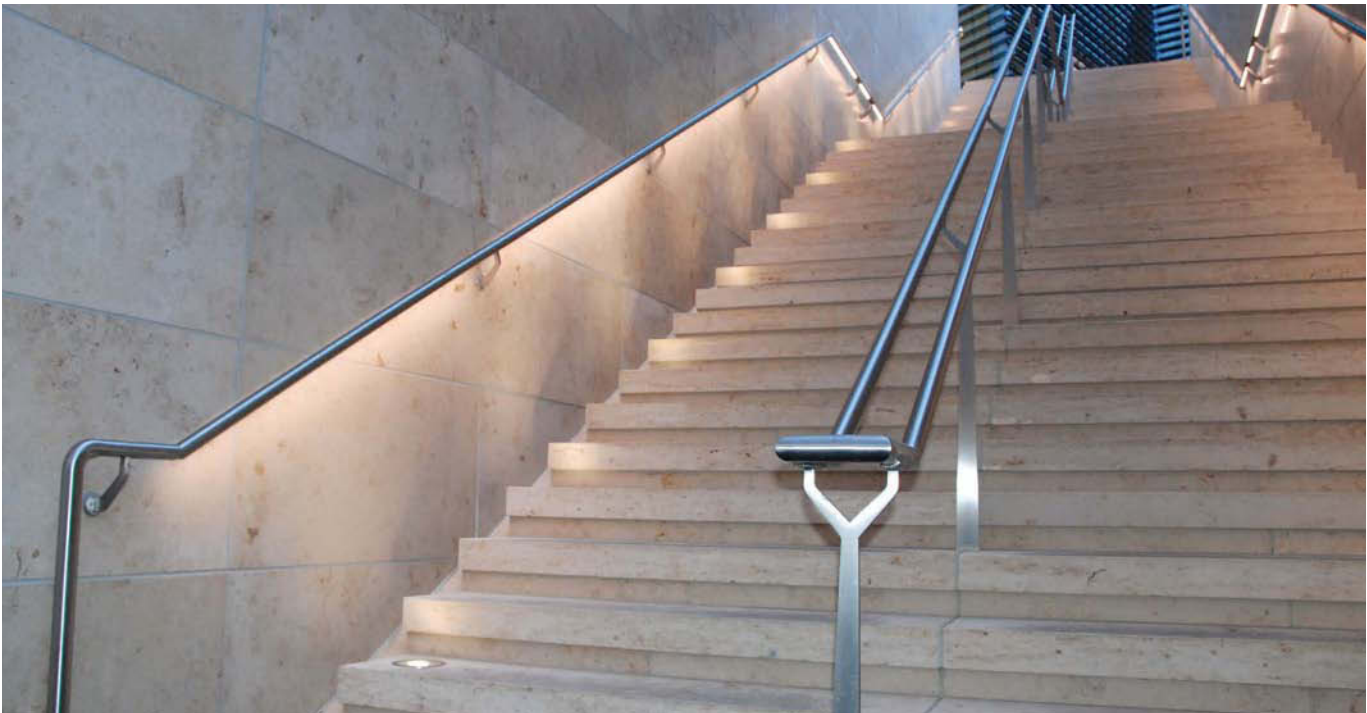


Place thumb between straps at wall. Push thumb side to side, snapping off straps level with flange of cap.



Place item over flange. Insert bolt and tighten until snug against item, then stop. Use machine screw or bolt to match thread in metal channel.

CRL Hand Railing LED Lighting



LED Light Strips in CRL Hand Railing installed at CityCenter, Las Vegas

CRL LED Wall Mount and Post Mount Lighted Hand Rail System

- Low Voltage 24 Volt DC Power
- Two Popular Stock Colors: Warm White and Cool White
- 50,000 Hour LED Life
- Only 4.3 Watts Per Foot
- Meets A.D.A. Requirements for Hand Railing Diameters

LED (Light-Emitting Diode) technology is the latest evolution in lighting, and offers many benefits over older, traditional lighting technologies, such as fluorescent lamps. LED products use up to 70% less energy than fluorescent lamps, are highly durable, able to withstand cold environments, contain no mercury, and are cool to the touch, making them safe choices for areas where people come into contact with lighting. With six times the expected lifetime of a fluorescent lamp, LED lighting systems require less maintenance and won't suffer from expensive relamping trips to the field. Using LEDs is an easy choice when you have the ability to resize LED light strips in the field, a simple field installation, and a safe, low-voltage system.



Low Voltage Driver
See Next Page



LED Strip Lights
See Next Page



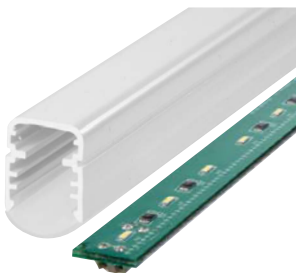
GR16 Premium
Cap Rail
(See Page 145)

Driver Enclosure Box



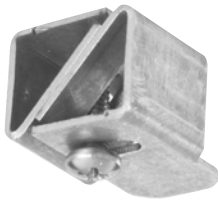
See Next Page

LED Lighting/Housing



See Next Page

LED Housing Mounting Clip



See Page 146

LED Wiring



See Page 147

CRL Hand Railing LED Lighting

CRL LED Lighting Components

- Ideal for Edge Lighting of Glass Panels
- Illuminates Carved or Sandblasted Images
- Meets NFPA Life Safety Code for Illumination
- 50,000 Hour LED Life
- Low Voltage - Low Maintenance
- 4.3 Watts Per Foot
- 60 Degree Beam Pattern With Diffuser Lens



LED Light Strips in CRL Hand Railing installed at CityCenter, Las Vegas

CRL LED Strip Lights

- Low Voltage Lighting Available in Five Stock Sizes
- Two Popular Stock Colors: Warm and Cool White
- Custom Colors Also Available on Special Order
- Dimmable With Appropriate Switch (Not Supplied)



Demo Kit



Cap Rail Insert Housing Sold Separately (See Page 146)



18 LEDs Per Foot
235 Lumens - Warm White
352 Lumens - Cool White

CRL LED Strip Lights have 18 LEDs per foot, which are spaced 3/4" (19 mm) on center. Available in lengths from 24" to 72" (610 to 1829 mm) all in 12" (305 mm) sections joined together. They can be cut down every 4" (102 mm) on a pre-marked line, and connected together for longer applications. Cool White has a blue hue (7000 Kelvins operating temperature); while the Warm White has a more traditional yellow hue (2600 Kelvins operating temperature). CRL LED Strip Lights work with our Low Voltage Driver and Enclosure Box (see below). They do not come with a plug.

WARM WHITE

CAT. NO.
LED24WW
LED36WW
LED48WW
LED60WW
LED72WW
LEDPKWW1

Minimum order: 1 each.

COOL WHITE

CAT. NO.
LED24CW
LED36CW
LED48CW
LED60CW
LED72CW
LEDPKCW1

STRIP LENGTH

24" (610 mm)
36" (914 mm)
48" (1219 mm)
60" (1524 mm)
72" (1829 mm)
12" (305 mm) Demo Kit



CRL Low Voltage LED Driver/Dimmer

- 100W 24V Driver Provides 24V DC
- For Dry and Damp Locations
- Powers Up to 20'-0" of Lighting With CRL's 14 Gauge Wire

The CRL Low Voltage LED Driver/Dimmer converts 120/240 Volt AC into low voltage DC power. These solid-state units have special circuitry to provide only the voltage and current demand required by the LEDs with dimming wiring and capabilities built in. Dimmer Switch not included. See instructions for more details. (Recommended to be installed by qualified electrician).

CAT. NO.
PT10024

DESCRIPTION
100 Watt - 24 Volt DC LED Driver/Dimmer

Minimum order: 1 each.



Height: 10" (254 mm)
Width: 8" (203 mm)
Depth: 4" (102 mm)

CRL LED Driver Enclosure Box

- Nema 3R Screw Cover Rain Proof Box
- Holds Up to Two LED Drivers
- Designed for Interior and Exterior Use

This Driver Enclosure Box is made of steel and painted gray. It has plenty of room to accommodate two of the LED Drivers shown at left. It prevents tampering and protects the Drivers.

CAT. NO.
EJ1084

DESCRIPTION
LED Driver Enclosure Box

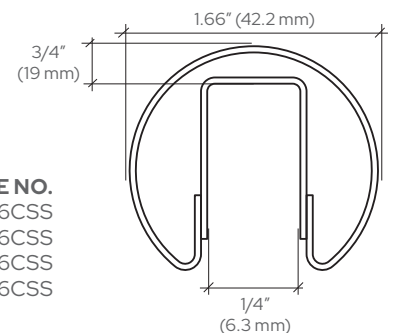
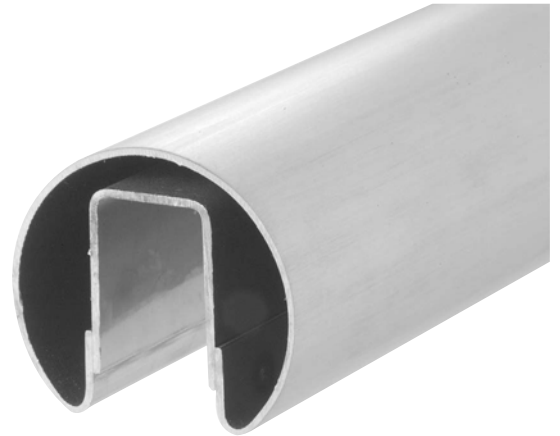
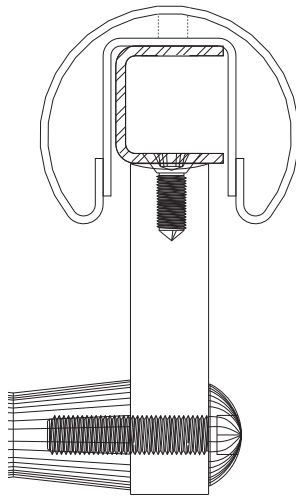
Minimum order: 1 each.

CRL Hand Railing LED Lighting

CRL Premium Cap Rail for Wall, Glass, and Post Mounted Hand Rail LED Lighting Applications

- 1.66" (42.2 mm) Diameter Premium Cap Railing
- Designed for Use With CRL's LED Lighting Systems
- Connects to Fabricated Corners and End Caps

This profile of our Premium Cap Rail is the ideal size for use with our LED Lighting. All CRL Premium Cap Railings are formed using precision tooling to maintain uniform diameters, allowing for smooth hairline transitions at splices, corners, and end caps. The internal channel is welded in place to increase strength and stability for fabrication. Use of our Cat. No. 7649 Primer and Cat. No. 32629 Metal Contact Cement (see page 148) is required to achieve a secure and permanent bond at all connections.



120" (3.05 M)	168" (4.27 M)				
CAT. NO.	CAT. NO.	FINISH	ALLOY	MATERIAL THICKNESS	USE SLEEVE NO.
GR16BS	GR16BS14	Brushed Stainless	304	.0625" (1.6 mm)	GR16CSS
GR16PS	GR16PS14	Polished Stainless	304	.0625" (1.6 mm)	GR16CSS
GR16BS6	----	Brushed Stainless	316	.0625" (1.6 mm)	GR16CSS
GR16PS6	----	Polished Stainless	316	.0625" (1.6 mm)	GR16CSS

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



Use Saddle Screw supplied with Hand Rail Bracket

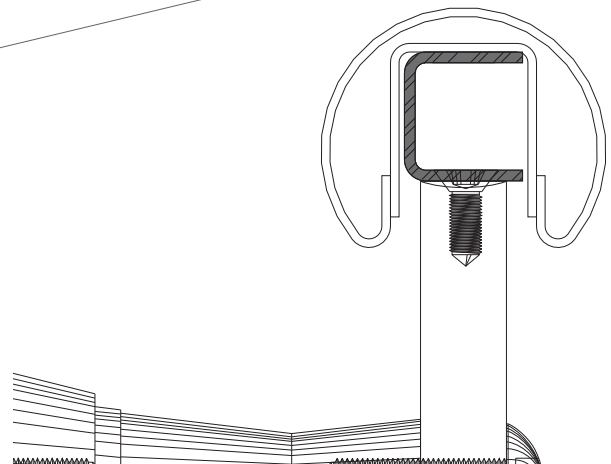
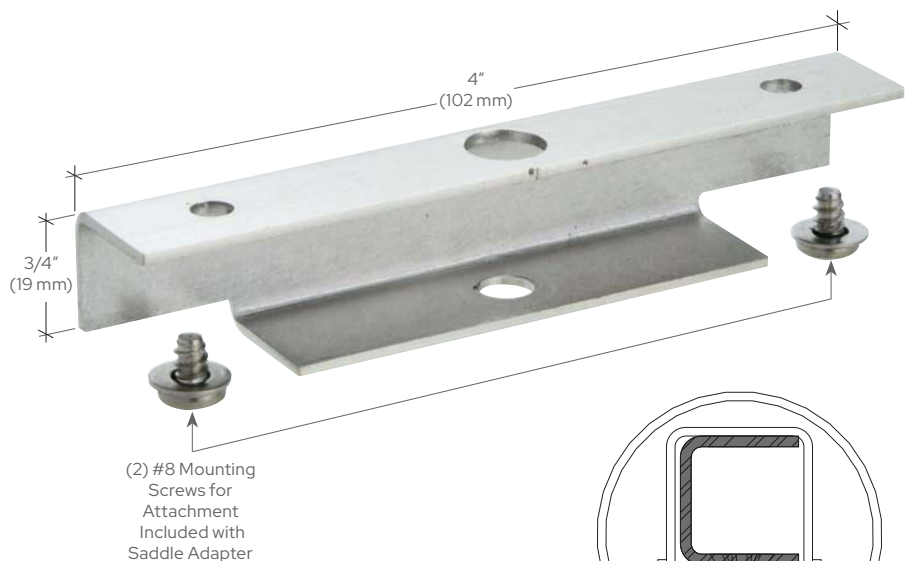
CRL Wall Mounted Hand Rail Bracket Saddle Adapters

- Allows LED Wiring to Pass Through Without Interruption
- Designed for Use With CRL's HR2S, HR2EG, HR2JG, and HR2D, Hand Rail Brackets (See Pages 135-137, 139)
- Brushed and Polished Stainless Finishes
- 304 Grade is Standard

CRL's Saddle Adapters are designed to allow all LED wiring to travel unobstructed inside the hand rail along wall mounted and glass mounted hand rail applications. Screws are included.

CAT. NO.	FINISH
LEDS1BS	Brushed Stainless
LEDS1PS	Polished Stainless

Minimum order: 1 each.



CRL Hand Railing LED Lighting

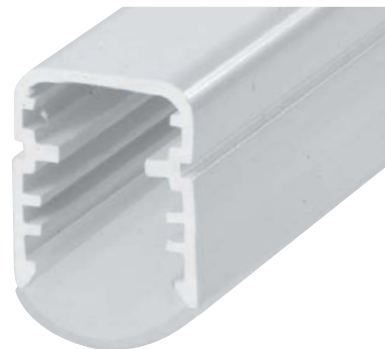
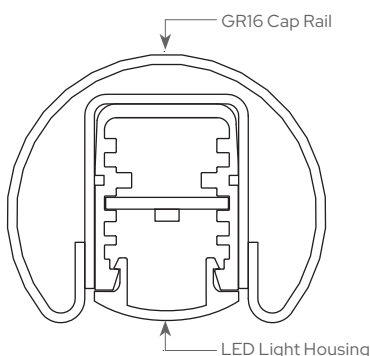
CRL Cap Rail Housing Insert With Frosted Lens for LED Strip Lights

- Illuminate CRL Cap Rails When Used in Hand Rail Applications
- Installs With LED Housing Mounting Clips (Shown Below)

This CRL Cap Rail Housing Insert for LED Strip Lights fits into the glass pocket of our Cap Rails, allowing for installation of LED Strip Lights that illuminate the area below the Cap Rail. The Insert has multiple LED placement slots for varied lighting effects, comes with a frosted plastic lens cover, and acts as an insulated wire raceway. LED Strip Lights must be ordered separately (see page 144).

CAT. NO. **LEDSQ6** **LENGTH** 72" (1829 mm)

Minimum order: 1 each.



Post Mount Hand Railing Application



Wall Mount Hand Railing Application



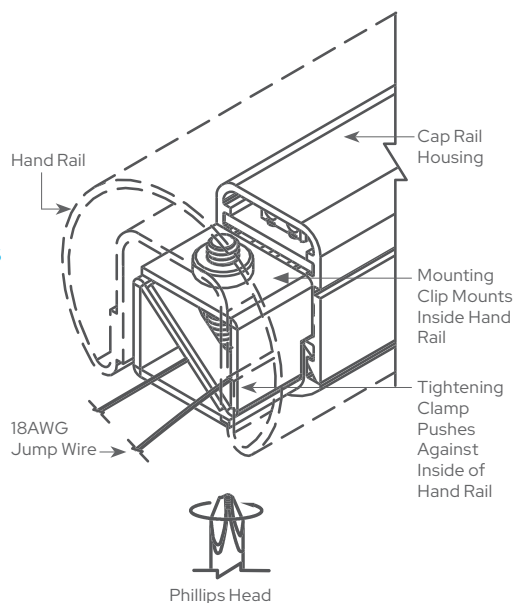
CRL LED Housing Mounting Clips

- Installs at Each End to Wedge Housing Into the Cap Rail
- 10 Clips Per Pack

After Jump Wires and Mounting Clips are inserted into hand rail, screw into hand rail housing. Clip will expand until tight with housing. Make sure Clips are securely fastened.

CAT. NO. **LEDMC1**

Minimum order is one pack.



Cap Rail Housing Insert With Lens (sold separately, see above)

CRL LED Housing Shim Pack

- Helps Hold Cap Rail Housing in Position During Installation
- 10 Shims Per Pack

If using as a Hand Rail, insert with completed Cap Rail housing and LED Strip Lights.

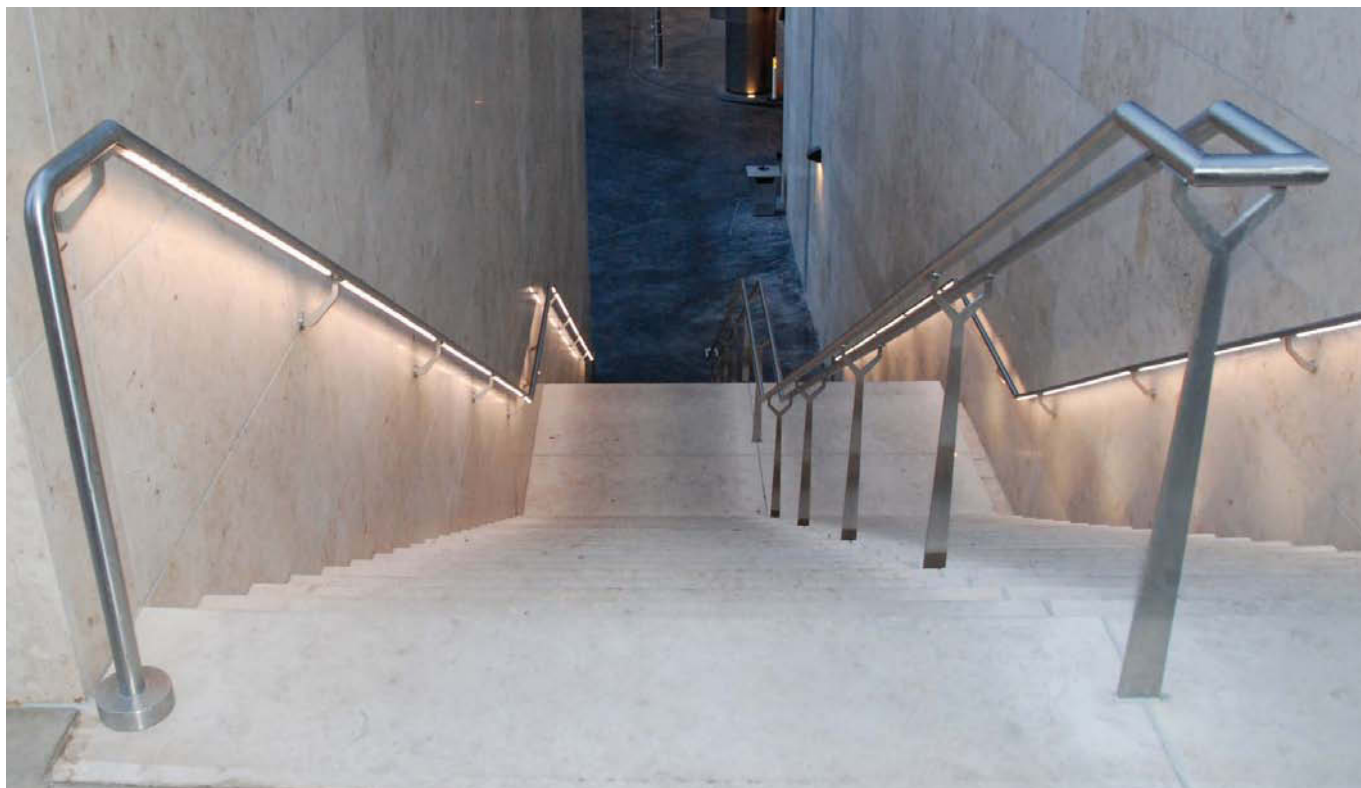
NOTE: If loose after insertion, cut LED Housing Shims to size and insert between Cap Rail's internal Channel and the LED Housing for a snug fit.

CAT. NO. **LEDST1**

Minimum order is one pack.



CRL Hand Railing LED Lighting



LED Light Strips in CRL Hand Railing installed at City Center, Las Vegas



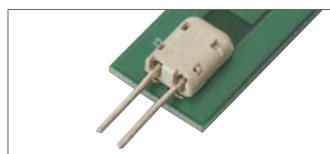
CRL Jumper Pins

- Designed for Connecting/ Bridging LED Light Strips
- Easy to Install

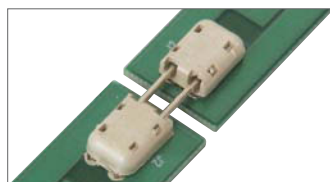
Jumper Pins come in packs of 10 Pins. Minimum order is one pack.

CAT. NO. LEDJP1

Minimum order is one pack.



Insert Pins



Mate to adjoining Light Strip



CRL Jumper Wires

- 18 Gauge Wiring for Connecting/ Bridging LED Light Strips Together
- Available in Three Lengths

CAT. NO.

LEDWR12

LEDWR10

LEDWR50

Minimum order: 1 each.

DESCRIPTION

12" (305 mm) 18 Gauge Jumper Wire

10' (3 m) 18 Gauge Jumper Wire

50' (15.2 m) 18 Gauge Jumper Wire



CRL Silicone Based Wire Nuts

- Wire Nuts Used for LED Wiring Connections

Wire Nuts are sold in packs of 10 each.

CAT. NO. LEDLWN1

Minimum order is one pack.



CRL LED Lead Wire

- 14 Gauge Stranded Black Vinyl Coated Wire for Connections Between LED Drivers and LED Lighting
- 50 Foot Rolls Available From Stock

CAT. NO. LEDLW1

Minimum order is one roll.



CRL HRS Hand Railing Adhesives



CAT. NO. 32629
Cement



CAT. NO. 7649
60 Second Primer



CRL Loctite® Metal Contact Cement

- The Strength of an Epoxy and the Speed of an Instant Adhesive
- Permanently Bonds Cap Rails, Hand Rails, and Their Accessories With Superior Strength Holding Power Up to 4,900 psi
- Offers Handling Strength in 60 Seconds, Full Cure in 24 Hours

To permanently bond Rails and their accessories we suggest this strong adhesive system from Loctite®, with two different Primers to best suit your assembly time frame. Use Cat. No. 7649 Primer to activate in 60 seconds, 60% of full strength in two minutes, and a full cure in 24 hours. For best performance surfaces should be clean and free of grease. Simply apply a generous amount of Primer to both of the bond surfaces and apply Adhesive to one of the surfaces. Position parts quickly and exactly as Adhesive begins to work immediately. Excess Adhesive outside joined surfaces can be wiped away with an organic solvent, such as our Cat. No. CRL2032 General Purpose Solvent and Adhesive Cleaner.

CAT. NO.	DESCRIPTION	ACTIVATION	CONTENTS
32629	Metal Contact Cement	----	1.69 Fl. Oz. (50 ml)
7649*	Primer for Metal Contact Cement	60 Seconds	1.75 Fl. Oz. (52 ml)

Minimum order: 1 each. * Primers can not ship air freight.



CRL Loctite® Poxy-Pak™ Clear Two-Part Epoxy

- Pre-Measured Resin and Hardener for Easy Application, Consistent Strength
- Resealable - No Waste
- Bonds Virtually Any Material

CRL Loctite® Poxy-Pak™ Clear Adhesive is a rapid cure two-part epoxy that reaches handling strength in about five minutes, and fully cures in 45 to 60 minutes. Poxy-Pak™ is easily dispensed from the two-cylinder syringe in any amount you need. It bonds metals, ceramics, concrete, wood, glass, and most plastics. It's inexpensive to use, as the unused portion can be resealed and saved. May be drilled, tapped, sanded, machined, and painted after it cures. Poxy-Pak™ cures at room temperature, and can withstand temperatures up to 300°F (149°C).

CAT. NO.	CONTENTS
81120	1 Fl. Oz. (29 ml)

Minimum order: 1 each.

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Top11

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C.R. Laurence Co., Inc.
Corporate Headquarters
2503 E. Vernon Ave.
Los Angeles, CA 90058-0923

(800) 421-6144
crlaurence.com

