

STANDOFF AND CLAMP HARDWARE

SC12 CATALOG



CRL
US ALUMINUM

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

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'All-Glass' Door Rails
Frameless Showers

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TABLE OF CONTENTS

All About Standoffs	SC01-SC03
1/2" Standoff Systems.....	SC04-SC05
3/4" Standoff Systems.....	SC06-SC09
1" Standoff Systems.....	SC10-SC11
1-1/4" Standoff Systems	SC12-SC15
1-1/2" Standoff Systems	SC16-SC18
2" Standoff Systems.....	SC20-SC22
UV Standoff Systems and Threaded Adapters	SC23
Specialty Standoff Systems.....	SC24-SC27
Custom Standoffs	SC28
Standoff Railing Systems	SC30-SC33
Cable Systems	SC34-SC40
Rod Display Systems	SC41-SC43
Swivel Fittings	SC44-SC50
Universal and Shelf Glass Clamps.....	SC51-SC56
Z-Series Clamps	SC57-SC63
Mall Front Clamps.....	SC64-SC65



CRL STANDOFF AND GLASS CONNECTION SYSTEMS

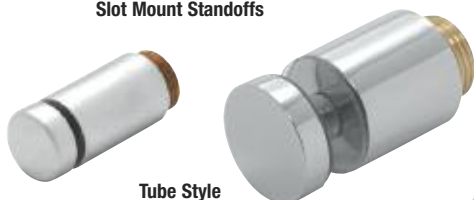
CRL'S FAMILY OF STANDOFF PRODUCTS CAN BE USED INDEPENDENTLY OR TOGETHER TO CREATE UNIQUE DESIGNS

C.R. Laurence has more than Standoffs. We offer a complete family of Standoff related products. From our standard line of Round and Square Standoffs, to Custom Standoffs, Cap Assemblies, Tube Style Standoffs, Edge Grips, Slot Mount Standoffs, Accent Rings, Swivel Fittings, Framepegs, and Mounting Hardware, CRL has everything you will need to create innovative designs in architecture, store fixtures, signage, and furniture.

CRL's Standoff Display System provides architects and designers unlimited resources for retail store, commercial or restaurant applications. Most are available in Chrome, Brass, Brushed Stainless, Satin Chrome, and Gun Metal finishes. The following pages will provide the information you will require to select the perfect Standoff products for your project.



Slot Mount Standoffs



Tube Style Standoffs



Standard Cap Assemblies



Edge Grips



Standoff Tube Adaptors



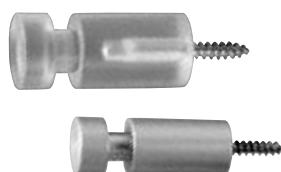
Low Profile Cap Assemblies



Accent Rings



Flush Mount Cap Assemblies



Framepegs



Square Standoff Bases

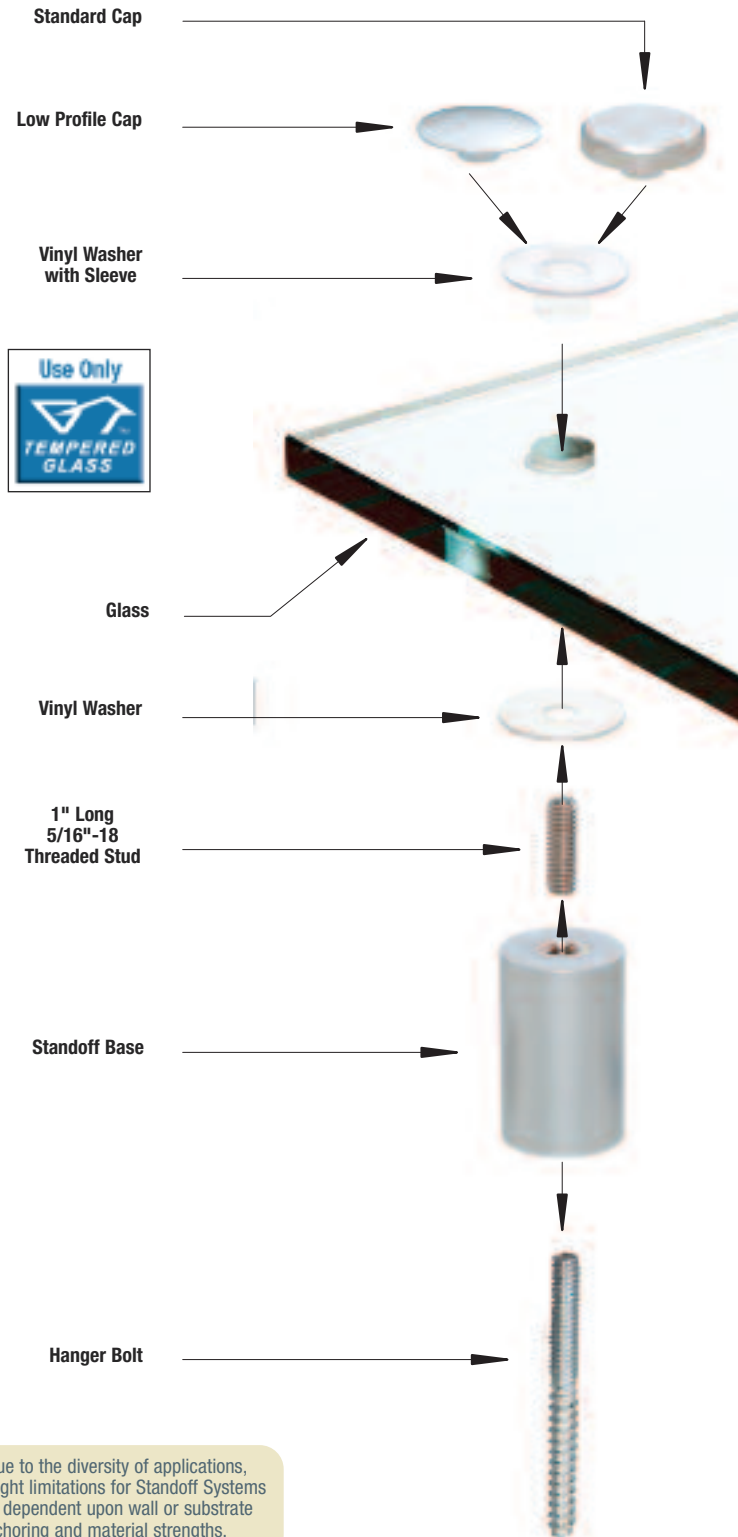


Round Standoff Bases



WHAT ARE SOME OF THE APPLICATIONS FOR CRL STANDOFF SYSTEMS?

- Typical Installation for 1-1/4" (31.7 mm)
Diameter Standoff Base and Cap



Standoffs and Cap Assemblies are used to create innovative designs in commercial, retail or residential environments by combining glass and metal to connect panels, display merchandise, to mount signage or artwork to a wall, or to build unique displays. Standoffs can also be used to elevate a glass top above a reception desk, cocktail or lamp table, kitchen counter or bathroom sink. The uses for CRL Standoffs are virtually limitless.



WHICH CRL STANDOFF SYSTEM SHOULD I USE?

CRL provides the most diverse selection of Standoff products available anywhere. Our 1/2" (12.7 mm) diameter Standoffs are a favorite for lighter weight glass displays or signage. 3/4" (19 mm) diameter Standoffs are the perfect design element for industrial projects such as exhibit building or retail display projects. CRL's 1-1/4" to 2" (31.7 to 50.8 mm) diameter Standoffs are designed to provide solutions for a vast variety of projects. Used to support heavier thicknesses of glass, the applications for this product are only limited by your imagination.



CRL CUSTOM STANDOFF CAPABILITIES

CRL Custom Standoffs and Cap Assemblies are available in diameters and squares from 1/2" to 4" (12.7 to 102 mm), and in many popular finishes, including powder coating. Fabricated in CRL's California manufacturing facility, most Custom Standoff products are produced to your specifications and have short lead times. Refer to page SC28 for specific product information.

Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.



CRL 1/2" (12.7 MM) DIAMETER STANDOFF SYSTEM

- Available in Two Distinct 316 Stainless Steel Finishes to Accommodate Any Project Requirement
- Accomplish Your Design Objective by Selecting Any of Six Different Lengths

An assortment of lengths makes our 1/2" (12.7 mm) Standoff Base and Cap Assemblies the ideal solution for lighter weight glass displays or signage. Panels require 5/16" (8 mm) holes for assembly. Available finishes are Brushed Stainless and Polished Stainless.

NOTE: 1/2" (12.7 mm) Diameter Standoff Bases do not have internal threads. Attach Allen Screw, Hanger Bolt or Threaded Rod directly to the Cap Assembly for anchoring to substrate.



CRL 1/2" (12.7 MM) DIAMETER STANDOFF BASES

- Six Available Lengths in Two Finishes



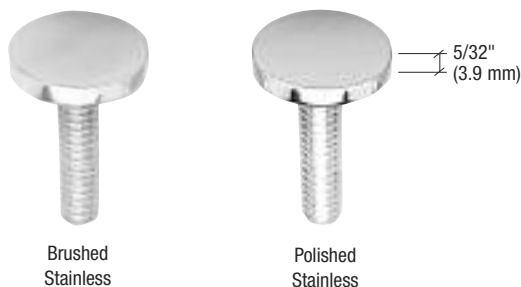
LENGTH	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.
1/4" (6.3 mm)	S0B1214BS	S0B1214PS
1/2" (12.7 mm)	S0B1212BS	S0B1212PS
3/4" (19 mm)	S0B1234BS	S0B1234PS
1" (25.4 mm)	S0B121BS	S0B121PS
1-1/4" (31.7 mm)	S0B12114BS	S0B12114PS
1-1/2" (38.1 mm)	S0B12112BS	S0B12112PS



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

NOTE: Minimum material thickness for use with 1/2" (12.7 mm) Diameter Standoff Bases is 3/16" (4.7 mm).

CRL CAP ASSEMBLIES FOR 1/2" (12.7 MM) STANDOFFS



Cap Assemblies Consist of:

- 1 Each 316 Stainless Steel Cap
- 1 Each Washer with 3/16" (4.7 mm) Diameter Hole (Cat. No. SW012S)
- 1 Each Washer with 1/4" (6.3 mm) Diameter Hole (Cat. No. SW012L)
- 1 Each 1-1/2" (38.1 mm) Allen Screw

NOTE: Panels require 5/16" (8 mm) holes for assembly.

CAT. NO.	FINISH
CAP12BS	Brushed 316 Stainless
CAP12PS	Polished 316 Stainless

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



CRL 1/2" (12.7 MM) DIAMETER STANDOFF MOUNTING OPTIONS



Tighten Cap down by using CRL Cat. No. 666564 Drill Bit. Insert into the side hole and tighten until snug.
NOTE: Do not over tighten.

Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

CRL MOUNTING ACCESSORIES FOR 1/2" (12.7 MM) DIAMETER STANDOFFS



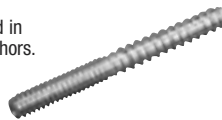
Hanger Bolt Drivers make installing Hanger Bolts into wood studs a breeze.

HANGER BOLT DRIVER

CAT. NO.	SIZE
165HB1024	10-24

Minimum order: 1 each.

Hanger Bolts can be used in wood, or with plastic anchors.



HANGER BOLTS

CAT. NO.	FINISH	SIZE
HB10241Z	Zinc	10-24 x 1" (25.4 mm)
HB1024112Z	Zinc	10-24 x 1-1/2" (38.1 mm)
HB10242Z	Zinc	10-24 x 2" (50.8 mm)
HB1024212Z	Zinc	10-24 x 2-1/2" (63.5 mm)

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

Hex Nuts are used with applicable Flat Washers and/or Lock Washers to attach Standoffs, or to reshape threads after cutting Threaded Rod or Allen Screws.



HEX NUTS

CAT. NO.	FINISH	SIZE
HN1024S	Stainless	10-24

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

Use Flat Washers with Hex Nuts when attaching Standoffs to panels or substrates.



FLAT WASHERS

CAT. NO.	FINISH	SIZE
FW10S	Stainless	10-24

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

Lock Washers may be used with Hex Nuts for mounting Standoff assemblies.



LOCK WASHERS

CAT. NO.	FINISH	SIZE
LW10S	Stainless	10-24

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

Nylock Hex Nuts may be used without Locking Washers for attachment to Allen Screws or Threaded Rod for 1/2" (12.7 mm) diameter Standoffs.



NYLOCK HEX NUTS

CAT. NO.	FINISH	SIZE
NLN1024S	Stainless	10-24

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

Tee Nuts are mainly used in wood or plywood applications where it can be installed on the back side. Accepts Allen Screw or Threaded Rod.



TEE NUTS

CAT. NO.	FINISH	SIZE
TN1024Z	Zinc	10-24

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

Full 36" (914 mm) lengths of stainless Threaded Rod will permit you to cut Rod to desired length.

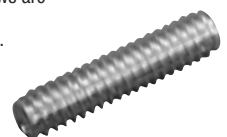


THREADED RODS

CAT. NO.	FINISH	SIZE
TR1024X36S	Stainless	10-24 x 36" (914 mm)

Minimum order: 1 each.

Stainless Steel Allen Screws are available in 3/4" (19 mm) and 1" (25.4 mm) lengths.



ALLEN SCREWS

CAT. NO.	FINISH	SIZE
AS102434	Stainless	10-24 x 3/4" (19 mm)
AS10241	Stainless	10-24 x 1" (25.4 mm)

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

CRL 3/4" (19 MM) DIAMETER STANDOFF SYSTEM



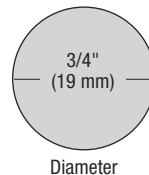
Residential Standoff Project Using 3/4" (19 mm) Custom Standoffs

- Available in Many Distinct Finishes to Accommodate Any Project Requirement
- Accomplish Your Design Objective by Choosing Any of Eight Different Lengths

The vast variety of finishes and lengths gives our 3/4" (19 mm) Standoff Base and Cap Assemblies unlimited potential for medium weight glass displays or signage. Panels require 1/2" (12.7 mm) holes for assembly.

CRL 3/4" (19 MM) DIAMETER STANDOFF BASES

- Popular Decorator Finishes
- 316 Stainless Steel Can Be Used Indoors or Outdoors



Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

LENGTH	BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.	GUN METAL CAT. NO.
1/4" (6.3 mm)	---	---	---	S0B3414BS	S0B3414PS	---
1/2" (12.7 mm)	---	---	---	S0B3412BS	S0B3412PS	---
3/4" (19 mm)	S0B3434BR	S0B3434CH	S0B3434SC	S0B3434BS	S0B3434PS	S0B3434GM
1" (25.4 mm)	S0B341BR	S0B341CH	S0B341SC	S0B341BS	S0B341PS	S0B341GM
1-1/2" (38.1 mm)	S0B34112BR	S0B34112CH	S0B34112SC	S0B34112BS	S0B34112PS	S0B34112GM
2" (50.8 mm)	S0B342BR	S0B342CH	S0B342SC	S0B342BS	S0B342PS	S0B342GM
4" (101.6 mm)	S0B344BR	S0B344CH	S0B344SC	S0B344BS	S0B344PS	S0B344GM
6" (152.4 mm)	S0B346BR	S0B346CH	S0B346SC	S0B346BS	S0B346PS	S0B346GM

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

NOTE: Minimum material thickness for use with 1/2" (12.7 mm) Diameter Standoff Bases is 3/16" (4.7 mm).

CRL's 3/4" (19 mm) diameter Standoff's are the perfect design element for projects such as retail displays or exhibit building. 3/4" (19 mm) diameter Bases and Cap Assemblies can also be ordered in custom sizes.



- Available in Up to Eight Lengths

CRL STAINLESS STEEL STANDOFF TRIM PLATES

- Enhance the Beauty of Your Standoff Installations
- For Use With 3/4" or 1" (19 or 25 mm) Diameter Standoffs

CRL's New Stainless Steel Trim Plates are ideal for either vertical or horizontal standoff base installations. The 316 alloy stainless steel Trim Plate provides both a decorative and functional transition between the standoff base and substrate by dispersing the weight of the glass over a 1-1/2" (38.1 mm) area to decrease the possibility of drywall indentations. Available in both brushed and polished finishes.



Standoff must be purchased separately

new

CAT. NO.	FINISH
S0TP1BS	Brushed 316 Stainless
S0TP1PS	Polished 316 Stainless

Minimum order: 1 each. Finishes can be combined for quantity pricing. Standoff Bases are not included.

CRL ADJUSTABLE STRAP WRENCH

- A Must for Standoff Installations
- Tightens Standoff Base and Standard Style Caps Without Damaging Surfaces

Our Adjustable Strap Wrench is the perfect tool for anyone installing Standoff Bases or polished threaded tubing. The 7/16" (11 mm) wide x 1/8" (3 mm) thick rubber strap quickly and efficiently tightens any plated cylinder without damaging the surface's finish. The strap is easily adjustable from 3/4" (19 mm) to 4" (102 mm) diameter using a conveniently located thumb lever in the handle. Minimum order is one each.



CAT. NO. ASW12

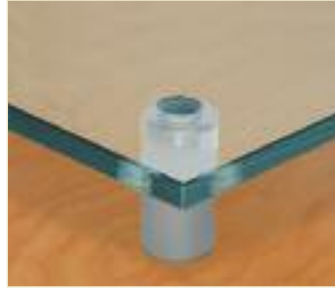
CRL 3/4" (19 MM) DIAMETER STANDOFF INSTALLATION STEPS



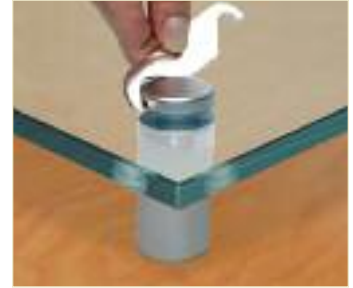
Set Fastener to Surface



Thread Base Onto Fastener



Align Glass on Standoff



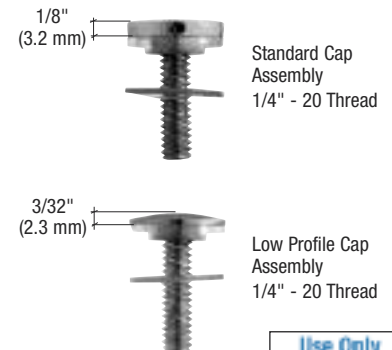
Tighten Cap with Wrench

NOTE: Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

CRL CAP ASSEMBLIES FOR 3/4" (19 MM) DIAMETER STANDOFFS

• Choice of Two Styles Available in Several Popular Finishes

Designed to be used with CRL's 3/4" (19 mm) Standoff Bases, Cap Assemblies are available in matching finishes. Standard Cap Assemblies are easily installed using our Cat. No. SOW Standoff Wrench (see page SC09). The Low Profile Cap Assemblies, which measure 3/32" (2.3 mm) in height, are used for desk tops or furniture where a low profile design is preferred. Low Profile Caps are tightened by placing a flat neoprene or rubber pad in the palm of your hand, applying pressure and turning. **NOTE:** Panels require 1/2" (12.7 mm) holes for assembly.



Standard Cap Assembly
1/4" - 20 Thread

Low Profile Cap Assembly
1/4" - 20 Thread



CAP	BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.	GUN METAL CAT. NO.
Standard	CAP34BR	CAP34CH	CAP34SC	CAP34BS	CAP34PS	CAP34GM
Low Profile	LPC34BR	LPC34CH	LPC34SC	LPC34BS	LPC34PS	LPC34GM

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

Cap Assemblies Consist of:

- 1 Each Cap
- 1 Each 1" (25.4 mm) Allen Screw
- 1 Each Washer (Cat. No. HW058)
- 1 Each Washer with Sleeve (Cat. No. HW057)

CRL TUBE ADAPTORS FOR 3/4" (19 MM) DIAMETER STANDOFFS

• Adaptors Fit 1-1/2" (38.1 mm) and 2" (50.8 mm) Tubing

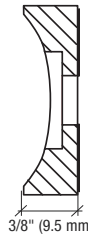
CRL Tube Adaptors allow 3/4" (19 mm) Standoff Bases to be attached to 1-1/2" (38.1 mm) or 2" (50.8 mm) Post Tubing. Use a Cat. No. RN1420 Riv-Nut (see page SC09) for securing the Standoff to the Tubing.



Slide on Adaptor Over
1/4" - 20 Allen Screw



Attach Standoff Base



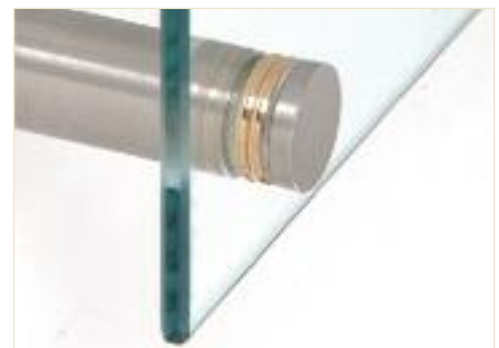
ADAPTOR FOR 1-1/2" TUBING CAT. NO.	ADAPTOR FOR 2" TUBING CAT. NO.	FINISH
3STA112BR	3STA2BR	Brass
3STA112CH	3STA2CH	Chrome
3STA112BS	3STA2BS	Brushed 316 Stainless
3STA112SC	3STA2SC	Satin Chrome

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

CRL ACCENT RINGS FOR 3/4" (19 MM) DIAMETER STANDOFFS

- Add a Decorative Accent to Signage or Display Standoffs
- Available in Chrome and Brass

CRL 3/4" (19 mm) Diameter Accent Rings are designed to be used with our 3/4" (19 mm) Diameter Standoff components. The Accent Rings can be placed either between the Standoff Cap and panel, or between the Standoff Base and panel to create an exciting and decorative new look to your signage or display project. Available in both Chrome and Brass finishes, our Accent Rings are most noticeable when mixed with other finishes such as a Brass Accent Ring with a Gun Metal Cap and Base, or a Chrome Accent Ring with a Satin Chrome Cap and Base. Just "mix and match" to obtain the look you want.



CAT. NO.	FINISH
AR34CH	Chrome
AR34BR	Brass

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

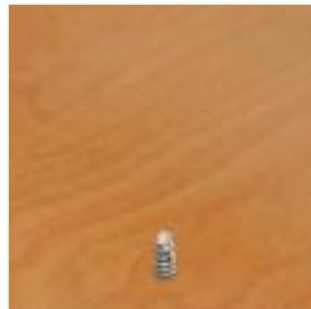
CRL 3/4" (19 MM) SQUARE STANDOFF ASSEMBLIES

- Available in Brass, Chrome, and Satin Chrome



CRL's Square Standoff Assemblies are uniquely designed to provide a different style of mounting hardware. They use the same mounting accessories as our very popular 3/4" (19 mm) diameter Round Standoffs.

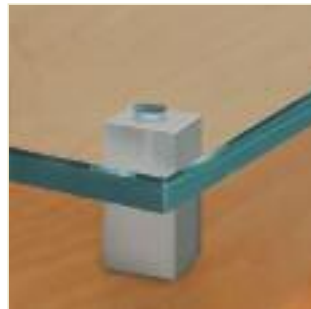
Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.



Set Fastener to Surface



Thread Base Onto Fastener



Align Glass on Standoff



Tighten Secondary Cap and Install Top Cap

CRL 3/4" (19 MM) SQUARE STANDOFF BASES

- Three Decorator Finishes

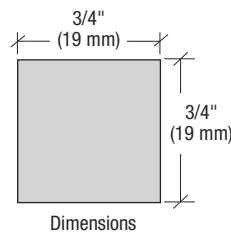
3/4" (19 mm) Square Standoff Bases are designed to be used for medium weight glass displays, exhibit or furniture projects. 3/4" (19 mm) Square Cap Assemblies give this system virtually unlimited potential. Available in standard lengths of 3/4" (19 mm), 1" (25.4 mm), 1-1/2" (38.1 mm), 2" (50.8 mm), and 4" (101.6 mm), Square Standoffs can also be ordered in custom sizes.

LENGTH	BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.
3/4" (19 mm)	SQ7575BR	SQ7575CH	SQ7575SC
1" (25.4 mm)	SQ751BR	SQ751CH	SQ751SC
1-1/2" (38.1 mm)	SQ75112BR	SQ75112CH	SQ75112SC
2" (50.8 mm)	SQ752BR	SQ752CH	SQ752SC
4" (101.6 mm)	SQ754BR	SQ754CH	SQ754SC

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

NOTE: Minimum material thickness for use with 3/4" (19 mm) Square Standoff Bases is 3/16" (4.7 mm).

- Available in Five Standard Lengths



Dimensions



3/4"



1"



1-1/2"



2"



4"

CRL 3/4" (19 MM) SQUARE CAP ASSEMBLIES

- Available in Finishes to Match Our Square Bases

CRL's Square Standoff Cap Assemblies are easily installed and aligned with the Square Standoff Bases due to our exclusive design. The secondary cap, with removable Allen screw, has two flat sides which are used to secure the cap to the panel material. When firmly in place, the top cap is placed over the secondary cap, then aligned with the square base and held in position with undetectable double-sided tape. With this design there is no "adjustment" or "trial-and-error" required to line up the cap with the base.

NOTE: Panels require 9/16" (14 mm) diameter holes for assembly.

SQUARE CAP ASSEMBLIES

CAT. NO.	FINISH
SCAP75BR	Brass
SCAP75CH	Chrome
SCAP75SC	Satin Chrome

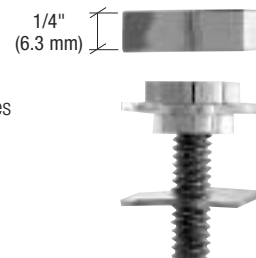
Minimum order: 1 each. Finishes can be combined for quantity pricing.

NOTE: Mounting accessories for 3/4" (19 mm) Square Standoffs are shown on page SC09.

REPLACEMENT PARTS

CAT. NO.	DESCRIPTION
HW060	Washer with Sleeve
HW061	Flat Washer
AS141	1" (25.4 mm) Allen Screw

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



CRL STANDOFF SYSTEM ACCESSORIES FOR 3/4" (19 MM) STANDOFFS



Concrete
Anchor



Hanger
Bolt



Threaded
Rod



Allen
Screw



Riv-Nut



Standoff Wrench



Lock
Washer



Flat
Washer



Nylock
Hex Nut



Hex Nut



Tee Nut

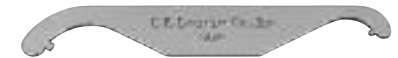


Hanger Bolt Drivers make installing
Hanger Bolts into wood studs a breeze.

HANGER BOLT DRIVER

CAT. NO.	SIZE
165HB416	1/4"-20

Minimum order: 1 each.



The Standoff Wrench allows a quick and efficient
method for tightening and loosening the Standard
Cap Assembly of 3/4" (19 mm), 1" (25 mm), and
1-1/4" (31.7 mm) diameter Round Standoffs.

STANDOFF WRENCH

CAT. NO.	FINISH	SIZE
SOW	Zinc	4-1/2" (114.3 mm)

Minimum order: 1 each.

CRL MOUNTING HARDWARE FOR 3/4" (19 MM) SQUARE OR ROUND STANDOFFS

Hex Nuts are used with applicable Flat
Washers and/or Lock Washers
to attach Standoffs, or to
reshape threads after
cutting Threaded Rod
or Allen Screws.



HEX NUTS

CAT. NO.	FINISH	SIZE
HN1420S	Stainless	1/4"-20
HN1420Z	Zinc	1/4"-20

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

Use Flat Washers with Hex Nuts
when attaching Standoffs to
panels or substrates.
Available in two finishes.



FLAT WASHERS

CAT. NO.	FINISH	SIZE
FW14S	Stainless	1/4"-20
FW14Z	Zinc	1/4"-20

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

Tee Nuts are mainly used in wood
or plywood applications where
they can be installed on
the back side. Accepts Allen
Screw or Threaded Rod.



TEE NUTS

CAT. NO.	FINISH	SIZE
TN1420Z	Zinc	1/4"-20

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

Use Riv-Nuts to attach 3STA112 or
3STA2 Standoff Tube Adaptors to
1-1/2" (38.1 mm) and 2" (50.8 mm)
diameter Tubing.



RIV-NUTS

CAT. NO.	FINISH	SIZE
RN1420	Zinc	1/4"-20

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

Use the Concrete Anchor when securing
the Standoff Base to a cement or stone wall.
Requires 5/16" (8 mm) hole in concrete.



CONCRETE ANCHORS

CAT. NO.	SIZE
CA1420	1/4"-20

Minimum order: 1 each.

Lock Washers may be used
with Hex Nuts for mounting
Standoff assemblies.



LOCK WASHERS

CAT. NO.	FINISH	SIZE
LW14S	Stainless	1/4"-20
LW14Z	Zinc	1/4"-20

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

Stainless Steel Allen Screws are
available in incremental lengths from
3/4" (19 mm) to 2" (50.8 mm) for
3/4" (19 mm) diameter Standoffs.

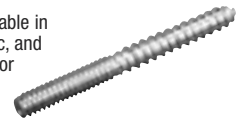


ALLEN SCREWS

CAT. NO.	FINISH	SIZE
AS1434	Stainless	1/4"-20 x 3/4" (19 mm)
AS141	Stainless	1/4"-20 x 1" (25.4 mm)
AS14114	Stainless	1/4"-20 x 1-1/4" (31.7 mm)
AS14112	Stainless	1/4"-20 x 1-1/2" (38.1 mm)
AS14134	Stainless	1/4"-20 x 1-3/4" (44.4 mm)
AS142	Stainless	1/4"-20 x 2" (50.8 mm)

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

Hanger Bolts are available in
both stainless and zinc, and
can be used in wood, or
with plastic anchors.



HANGER BOLTS

CAT. NO.	FINISH	SIZE
HB14112S	Stainless	1/4"-20 x 1-1/2" (38.1 mm)
HB14112Z	Zinc	1/4"-20 x 1-1/2" (38.1 mm)
HB14212S	Stainless	1/4"-20 x 2-1/2" (63.5 mm)
HB14212Z	Zinc	1/4"-20 x 2-1/2" (63.5 mm)

Minimum order: 1 each for Stainless; 10 each for Zinc.

Nylock Hex Nuts may be used without
Locking Washers for attachment to
Allen Screws or Threaded Rod for
3/4" (19 mm) diameter Standoffs.



NYLOCK HEX NUTS

CAT. NO.	FINISH	SIZE
NLN1420S	Stainless	1/4"-20
NLN1420Z	Zinc	1/4"-20

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

Full 36" (914 mm) lengths of
stainless or zinc Threaded Rod
will permit you to cut Rod
to desired length.



Optional Acorn Nut
to protect threads
during installation.



THREADED RODS/ACORN NUTS

CAT. NO.	FINISH	SIZE
TR1420X36S	Stainless	1/4"-20 x 36" (914 mm)
TR1420X36Z	Zinc	1/4"-20 x 36" (914 mm)
ACN1420	Nickel	1/4"-20 Acorn Nut

Minimum order: 1 each for Rods; 10 each for Nuts.

CRL 1" (25 MM) DIAMETER STANDOFF SYSTEM

- Available in Brushed or Polished Stainless Finishes
- Accomplish Your Design Objective by Choosing Any of Eight Different Lengths

The vast variety of finishes and lengths gives our 1" (25 mm) Standoff Base and Cap Assemblies unlimited potential for medium weight glass displays or signage. Panels require 1/2" (12.7 mm) holes for assembly.

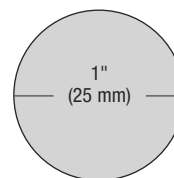


Residential Standoff Project Using 1" (25 mm) Standoffs

CRL 1" (25 MM) DIAMETER STANDOFF BASES

- Brushed or Polished 316 Stainless Steel Finishes
- Can Be Used Indoors or Outdoors

Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

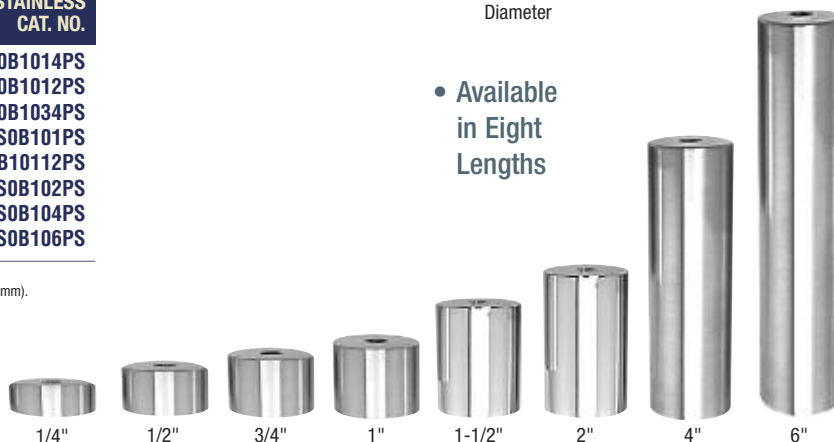


LENGTH	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.
1/4" (6.3 mm)	SOB1014BS	SOB1014PS
1/2" (12.7 mm)	SOB1012BS	SOB1012PS
3/4" (19 mm)	SOB1034BS	SOB1034PS
1" (25.4 mm)	SOB101BS	SOB101PS
1-1/2" (38.1 mm)	SOB10112BS	SOB10112PS
2" (50.8 mm)	SOB102BS	SOB102PS
4" (101.6 mm)	SOB104BS	SOB104PS
6" (152.4 mm)	SOB106BS	SOB106PS

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

NOTE: Minimum material thickness for use with 1/2" (12.7 mm) Diameter Standoff Bases is 3/16" (4.7 mm).

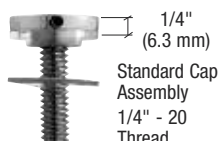
CRL's 1" (25 mm) diameter Standoff's are the perfect design element for projects such as retail displays or exhibit building. 1" (25 mm) diameter Bases and Cap Assemblies can also be ordered in custom sizes.



- Available in Eight Lengths

CRL CAP ASSEMBLIES FOR 1" (25 MM) DIAMETER STANDOFFS

- Available in Brushed or Polished 316 Stainless Steel Finishes



Designed to be used with CRL's 1" (25 mm) Standoff Bases, Cap Assemblies are available in matching finishes. Cap Assemblies are easily installed using our Cat. No. SOW Standoff Wrench (see page SC11). **NOTE:** Panels require 1/2" (12.7 mm) holes for assembly.

Cap Assemblies Consist of:

- 1 Each Cap
- 1 Each 1" (25.4 mm) Allen Screw
- 1 Each Washer (Cat. No. HW058)
- 1 Each Washer with Sleeve (Cat. No. HW057)

CAT. NO.	FINISH
CAP1BS	Brushed 316 Stainless
CAP1PS	Polished 316 Stainless

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

CRL STAINLESS STEEL STANDOFF TRIM PLATES

- Enhance the Beauty of Your Standoff Installations
- For Use With 3/4" or 1" (19 or 25 mm) Diameter Standoffs

CRL's New Stainless Steel Trim Plates are ideal for either vertical or horizontal standoff base installations. The 316 alloy stainless steel Trim Plate provides both a decorative and functional transition between the standoff base and substrate by dispersing the weight of the glass over a 1-1/2" (38.1 mm) area to decrease the possibility of drywall indentations. Available in both brushed and polished finishes.



Standoff must be purchased separately

new



CAT. NO.	FINISH
SOTP1BS	Brushed 316 Stainless
SOTP1PS	Polished 316 Stainless

Minimum order: 1 each. Finishes can be combined for quantity pricing. Standoff Bases are not included.

CRL STANDOFF SYSTEM ACCESSORIES FOR 1" (25 MM) STANDOFFS



Concrete
Anchor



Hanger
Bolt



Threaded
Rod



Allen
Screw



Riv-Nut



Standoff Wrench



Lock
Washer



Flat
Washer



Nylock
Hex Nut



Hex Nut



Tee Nut



Hanger Bolt Drivers make installing
Hanger Bolts into wood studs a breeze.



The Standoff Wrench allows a quick and efficient method
for tightening or loosening the Standard Cap Assembly
of 3/4" (19 mm), 1" (25 mm), and 1-1/4" (31.7 mm),
diameter Round Standoffs.

CRL MOUNTING HARDWARE FOR 1" (25 MM) ROUND STANDOFFS

Hex Nuts are used with applicable Flat
Washers and/or Lock Washers
to attach Standoffs, or to
reshape threads after
cutting Threaded Rod
or Allen Screws.



HEX NUTS

CAT. NO.	FINISH	SIZE
HN1420S	Stainless	1/4"-20
HN1420Z	Zinc	1/4"-20

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

Use Flat Washers with Hex Nuts
when attaching Standoffs to
panels or substrates.
Available in two finishes.



FLAT WASHERS

CAT. NO.	FINISH	SIZE
FW14S	Stainless	1/4"-20
FW14Z	Zinc	1/4"-20

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

Tee Nuts are mainly used in wood
or plywood applications where
they can be installed on
the back side. Accepts Allen
Screw or Threaded Rod.



TEE NUTS

CAT. NO	FINISH	SIZE
TN1420Z	Zinc	1/4"-20

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

Use Riv-Nuts to attach 3STA112 or
3STA2 Standoff Tube Adaptors to
1-1/2" (38.1 mm) and 2" (50.8 mm)
diameter Tubing.



RIV-NUTS

CAT. NO	FINISH	SIZE
RN1420	Zinc	1/4"-20

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

Use the Concrete Anchor when securing the Standoff
Base to a cement or stone wall. Requires
5/16" (8 mm) hole in concrete.



CONCRETE ANCHORS

CAT. NO.	SIZE
CA1420	1/4"-20

Minimum order: 1 each.

Lock Washers may be used
with Hex Nuts for mounting
Standoff assemblies.

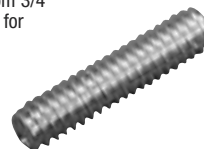


LOCK WASHERS

CAT. NO.	FINISH	SIZE
LW14S	Stainless	1/4"-20
LW14Z	Zinc	1/4"-20

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

Stainless Steel Allen Screws are available
in incremental lengths from 3/4"
(19 mm) to 2" (50.8 mm) for
1" (25 mm) diameter
Standoffs.

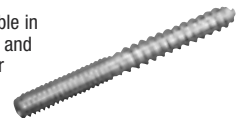


ALLEN SCREWS

CAT. NO.	FINISH	SIZE
AS1434	Stainless	1/4"-20 x 3/4" (19 mm)
AS141	Stainless	1/4"-20 x 1" (25.4 mm)
AS14114	Stainless	1/4"-20 x 1-1/4" (31.7 mm)
AS14112	Stainless	1/4"-20 x 1-1/2" (38.1 mm)
AS14134	Stainless	1/4"-20 x 3/4" (44.4 mm)
AS142	Stainless	1/4"-20 x 2" (50.8 mm)

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

Hanger Bolts are available in
both stainless and zinc, and
can be used in wood, or
with plastic anchors.



HANGER BOLTS

CAT. NO.	FINISH	SIZE
HB14112S	Stainless	1/4"-20 x 1-1/2" (38.1 mm)
HB14112Z	Zinc	1/4"-20 x 1-1/2" (38.1 mm)
HB14212S	Stainless	1/4"-20 x 2-1/2" (63.5 mm)
HB14212Z	Zinc	1/4"-20 x 2-1/2" (63.5 mm)

Minimum order: 1 each for Stainless; 10 each for Zinc.

Nylock Hex Nuts may be used without
Locking Washers for attachment to
Allen Screws or Threaded Rod for
1" (25 mm) diameter Standoffs.



NYLOCK HEX NUTS

CAT. NO.	FINISH	SIZE
NLN1420S	Stainless	1/4"-20
NLN1420Z	Zinc	1/4"-20

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

Full 36" (914 mm) lengths of
stainless or zinc Threaded Rod
will permit you to cut Rod
to desired length.



Optional Acorn Nut
to protect threads
during installation.



THREADED RODS/ACORN NUTS

CAT. NO.	FINISH	SIZE
TR1420X36S	Stainless	1/4"-20 x 36" (914 mm)
TR1420X36Z	Zinc	1/4"-20 x 36" (914 mm)
ACN1420	Nickel	1/4"-20 Acorn Nut

Minimum order: 1 each for Rods; 10 each for Nuts.

CRL 1-1/4" (31.7 MM) DIAMETER STANDOFF SYSTEM

- Available in Many Distinct Finishes to Accommodate Any Project Requirement
- Accomplish Your Design Objective by Choosing Any of Eight Different Lengths

Create a combination of different looks with our 1-1/4" (31.7 mm) Standoff System by designing a series of displays or architectural projects utilizing our vast array of Bases.

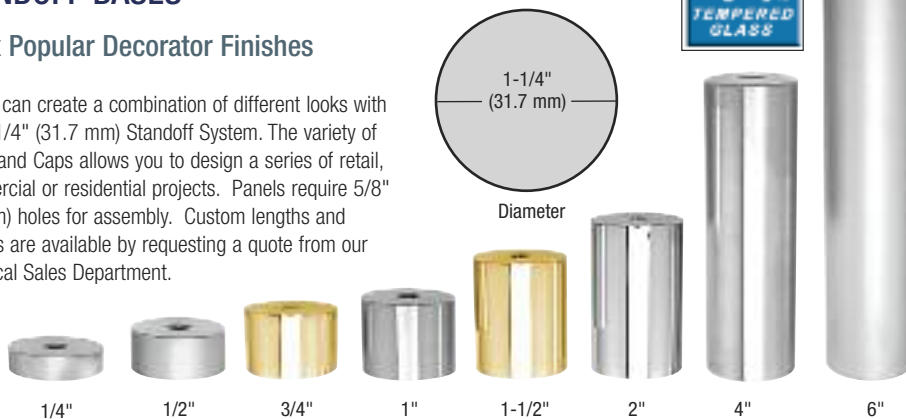


Standoffs Used for Railing Projects

CRL 1-1/4" (31.7 MM) DIAMETER STANDOFF BASES

- Six Popular Decorator Finishes

You can create a combination of different looks with our 1-1/4" (31.7 mm) Standoff System. The variety of Bases and Caps allows you to design a series of retail, commercial or residential projects. Panels require 5/8" (16 mm) holes for assembly. Custom lengths and finishes are available by requesting a quote from our Technical Sales Department.



Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

LENGTH	BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.	GUN METAL CAT. NO.
1/4" (6.3 mm)	SOB11414BR	SOB11414CH	SOB11414SC	SOB11414BS	SOB11414PS	SOB11414GM
1/2" (12.7 mm)	SOB11412BR	SOB11412CH	SOB11412SC	SOB11412BS	SOB11412PS	SOB11412GM
3/4" (19 mm)	SOB11434BR	SOB11434CH	SOB11434SC	SOB11434BS	SOB11434PS	SOB11434GM
1" (25.4 mm)	SOB1141BR	SOB1141CH	SOB1141SC	SOB1141BS	SOB1141PS	SOB1141GM
1-1/2" (38.1 mm)	SOB114112BR	SOB114112CH	SOB114112SC	SOB114112BS	SOB114112PS	SOB114112GM
2" (50.8 mm)	SOB1142BR	SOB1142CH	SOB1142SC	SOB1142BS	SOB1142PS	SOB1142GM
4" (101.6 mm)	SOB1144BR	SOB1144CH	SOB1144SC	SOB1144BS	SOB1144PS	SOB1144GM
6" (152.4 mm)	SOB1146BR	SOB1146CH	SOB1146SC	SOB1146BS	SOB1146PS	SOB1146GM

Minimum order: 1 each. All Standoffs can be combined for quantity pricing. NOTE: Minimum material thickness for use with 1-1/4" (31.7 mm) diameter Standoff Bases is 1/4" (6.3 mm) when used with Standard and Low Profile Caps, and 3/8" (9.5 mm) when used with Flush Mount Cap.

REPLACEMENT CLEAR VINYL WASHERS

CAT. NO.	WASHER SIZE (O.D. X I.D.)
SW114S	1-1/4" (31.7 mm) x 5/16" (7.9 mm)
SW114L	1-1/4" (31.7 mm) x 7/16" (11.1 mm)
SM716	9/16" (14.3 mm) x 7/16" (11.1 mm)

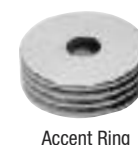
Minimum order: 10 each. Must be ordered in increments of 10.

CRL ACCENT RINGS FOR 1-1/4" (31.7 MM) DIAMETER STANDOFFS

- Add a Decorative Accent to Signage or Display Standoffs
- Available in Chrome and Brass

CRL 1-1/4" (31.7 mm) Accent Rings are designed to be used with our 1-1/4" (31.7 mm) Diameter Standoff components. Accent Rings can be placed either between the Standoff Cap and the panel, or between the Standoff Base and the panel to create a decorative new look to your signage or display projects.

Available in both Chrome and Brass finishes, Accent Rings are most noticeable when mixed with other finishes, such as a Brass Accent Ring with a Gun Metal Cap and Base, or a Chrome Accent Ring with a Satin Chrome Cap and Base. Just "mix and match" to obtain the look you want. The 1-1/4" (31.7 mm) diameter Accent Ring is countersunk to accept the Cap Assembly, and is supplied with a clear vinyl washer to protect the glass.



Accent Ring



Vinyl Washer

CAT. NO.	FINISH
AR114CH	Chrome
AR114BR	Brass

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

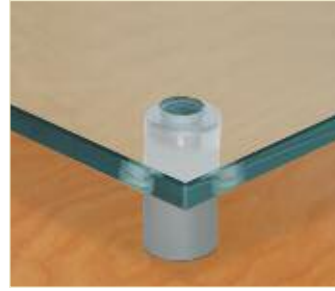
CRL 1-1/4" (31.7 MM) DIAMETER STANDOFF INSTALLATION STEPS



Set Fastener to Surface



Thread Base Onto Fastener



Align Glass on Standoff



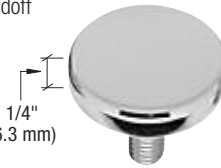
Tighten Cap with Wrench

NOTE: Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

CRL CAP ASSEMBLIES FOR 1-1/4" (31.7 MM) DIAMETER STANDOFFS

Designed to be used with CRL's 1-1/4" (31.7 mm) Standoff Bases, Standard Cap Assemblies are available in matching finishes, and are easily tightened when being installed into Bases by using our Cat. No. SOW Standoff Wrench.

NOTE: Panels require 5/8" (16 mm) holes for assembly. 1/4" (6.3 mm)



CAT. NO.	FINISH
CAP114BR	Brass
CAP114BS	Brushed 316 Stainless
CAP114PS	Polished 316 Stainless
CAP114CH	Chrome
CAP114SC	Satin Chrome
CAP114GM	Gun Metal

Cap Assemblies Consist of:
 1 Each Cap
 1 Each 1" (25.4 mm) Allen Screw
 2 Each Washers
 (Cat. Nos. SW114L and SW114S)
 1 Each Vinyl Sleeve (Cat. No. SM716)

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

CRL STAINLESS STEEL STANDOFF TRIM PLATES

- Enhance the Beauty of Your Standoff Installations
- For Use With 1-1/4" (31.7 mm) Diameter Standoffs

CRL's New Stainless Steel Trim Plates are ideal for either vertical or horizontal standoff base installations. The 316 alloy stainless steel Trim Plate provides both a decorative and functional transition between the standoff base and substrate by dispersing the weight of the glass over a 1-3/4" (44.4 mm) area to decrease the possibility of drywall indentations. Available in both brushed and polished finishes.

new



Standoff must be purchased separately

CAT. NO.	FINISH
SOTP114BS	Brushed 316 Stainless
SOTP114PS	Polished 316 Stainless

Minimum order: 1 each. Finishes can be combined for quantity pricing. Standoff Bases are not included.

CRL LOW PROFILE CAP ASSEMBLIES

Our Low Profile Cap Assemblies, which measure 1/8" (3.2 mm) in height, are used for desktops or furniture where a low profile design is preferred. Low Profile Caps are tightened by placing a flat neoprene or rubber pad in the palm of your hand, then applying pressure and turning.



CAT. NO.	FINISH
LPC114BR	Brass
LPC114BS	Brushed 316 Stainless
LPC114PS	Polished 316 Stainless
LPC114CH	Chrome
LPC114SC	Satin Chrome
LPC114GM	Gun Metal

Cap Assemblies Consist of:
 1 Each Cap
 1 Each 3/4" (19 mm) Allen Screw
 1 Each Large Hole Vinyl Washer with Sleeve
 1 Each Small Hole Vinyl Washer

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

CRL FLUSH MOUNT CAP ASSEMBLY

CRL's Flush Mount Cap Assembly is designed to be used with 1-1/4" (31.7 mm) Standoff Bases in applications where the Standoff Cap must be flush with the surface of the glass. The Flush Cap comes with a 22 mm, 5/16"-18 Socket Head Screw with washers. The Flush Cap measures 1-1/8" (28.6 mm) in diameter. Minimum material thickness is 3/8" (9.5 mm). An optional 1-3/8" (35 mm) Screw is available for use with thicker materials. Minimum order is one each.



CAT. NO. CAPF114BS
Flush Cap

NOTE:
 Fabrication Requirements for Flush Cap: 3/4" Diameter Hole; 1-1/2" Countersink (to desired depth) Using Cat. No. BDC112 Diamond Countersink



CAT. NO. CAP35S
1-3/8" (35 mm) Screw

CRL TUBE ADAPTORS FOR 1-1/4" (31.7 MM) DIAMETER STANDOFFS

- Adaptors Fit 1-1/2" (38.1 mm) and 2" (50.8 mm) Tubing

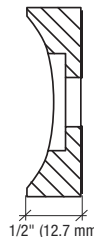
CRL Tube Adaptors allow 1-1/4" (31.7 mm) Standoffs and Slot Mount Standoffs to be attached to 1-1/2" (38.1 mm) or 2" (50.8 mm) Post Tubing. Use a Cat. No. ZRNU Riv-Nut (see page SC15) to secure the Standoff to the Tubing.



Slide on Adaptor Over 5/16"-18 Allen Screw



Attach Standoff Base



1/2" (12.7 mm)

ADAPTOR FOR 1-1/2" TUBING CAT. NO.	ADAPTOR FOR 2" TUBING CAT. NO.	FINISH
STA112BR	STA2BR	Brass
STA112CH	STA2CH	Chrome
STA112BS	STA2BS	Brushed 316 Stainless
STA112SC	STA2SC	Satin Chrome

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

CRL 1-1/4" (31.7 MM) SQUARE STANDOFF ASSEMBLIES

- Uniquely Styled
- Available in Three Popular Finishes



CRL's Square Standoff Assemblies create a new and contemporary look that is certain to achieve maximum attention. Available in Brass, Chrome, and Satin Chrome, they use the same mounting accessories as our very popular 1-1/4" (31.7 mm) diameter Round Standoffs. Panels require 5/8" (16 mm) diameter holes for assembly.

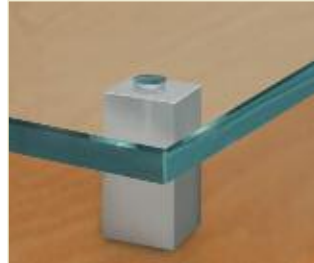
Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.



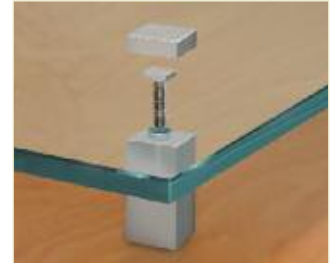
Set Fastener to Surface



Thread Base Onto Fastener



Align Glass on Standoff

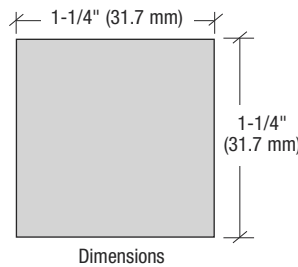


Tighten Secondary Cap and Install Top Cap

CRL 1-1/4" (31.7 MM) SQUARE STANDOFF BASES

- New Standoff Configuration for Special Projects

CRL's 1-1/4" (31.7 mm) Square Standoff Bases are the perfect component for countertops, desks or furniture design. The five available lengths are adequate for most projects, but if custom lengths are required you can contact our Technical Sales Department for a quote.



Dimensions

- Available in Five Standard Lengths

LENGTH	BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.
3/4" (19 mm)	SQ12575BR	SQ12575CH	SQ12575SC
1" (25.4 mm)	SQ1251BR	SQ1251CH	SQ1251SC
1-1/2" (38.1 mm)	SQ125112BR	SQ125112CH	SQ125112SC
2" (50.8 mm)	SQ1252BR	SQ1252CH	SQ1252SC
4" (101.6 mm)	SQ1254BR	SQ1254CH	SQ1254SC

Minimum order: 1 each. All Standoffs can be combined for quantity pricing.
NOTE: Minimum material thickness for use with 1-1/4" Square Standoff Bases is 1/4" (6.3 mm).



3/4"



1"



1-1/2"



2"

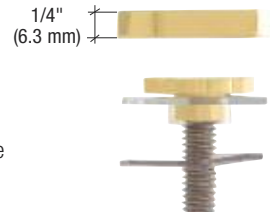


4"

CRL 1-1/4" (31.7 MM) SQUARE CAP ASSEMBLIES

- Use With 1-1/4" (31.7 mm) Square Bases or as Decorative Wall Fasteners

Our 1-1/4" (31.7 mm) Square Standoff Cap Assemblies can be used with Square Bases or independently to attach panels or artwork to a wall. The Cap Assembly comes with a detachable 5/16"-18 x 1" Allen screw that requires a 5/8" (16 mm) hole for assembly. With this unique design there is no "adjustment" or "trial-and-error" required to line up the cap with the base.



SQUARE CAP ASSEMBLIES

CAT. NO.	FINISH
SCAP125BR	Brass
SCAP125CH	Chrome
SCAP125SC	Satin Chrome

Minimum order: 1 each. Finishes can be combined for quantity pricing.
NOTE: Mounting accessories for 1-1/4" (31.7 mm) Square Standoffs are shown on page SC15.

REPLACEMENT PARTS

CAT. NO.	DESCRIPTION
HW062	Washer with Sleeve
HW063	Flat Washer
AS5161	1" (25.4 mm) Allen Screw

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

CRL STANDOFF SYSTEM ACCESSORIES FOR 1-1/4" (31.7 MM) STANDOFFS

• For Both Round and Square Standoffs



Concrete
Anchor



Hanger
Bolt



Threaded
Rod



Allen
Screw



Riv-Nut



Standoff Wrench



Lock
Washer



Flat
Washer



Nylock
Hex Nut



Hex Nut



Tee Nut



Hanger Bolt Drivers make installing
Hanger Bolts into wood studs a breeze.



The Standoff Wrench allows a quick and efficient
method for tightening and loosening the Standard
Cap Assembly of 3/4" (19 mm), 1" (25 mm), and
1-1/4" (31.7 mm) diameter Round Standoffs.

HANGER BOLT DRIVER

CAT. NO.	SIZE
165HB516	5/16"-18

Minimum order: 1 each.

STANDOFF WRENCH

CAT. NO.	FINISH	SIZE
SOW	Zinc	4-1/2" (114.3 mm)

Minimum order: 1 each.

CRL MOUNTING HARDWARE FOR 1-1/4" (31.7 MM) SQUARE OR ROUND STANDOFFS

Hex Nuts are used with applicable
Flat Washers and/or Lock Washers
to attach Standoffs, or to reshape
threads after cutting Threaded Rod
or Allen Screws.



HEX NUTS

CAT. NO.	FINISH	SIZE
HN51618S	Stainless	5/16"-18
HN51618Z	Zinc	5/16"-18

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

Use Flat Washers with Hex Nuts
when attaching Standoffs to
panels or substrates.
Available in two finishes.



FLAT WASHERS

CAT. NO.	FINISH	SIZE
FW516S	Stainless	5/16"-18
FW516Z	Zinc	5/16"-18

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

Tee Nuts are mainly used in
wood or plywood applications
where they can be installed on
the back side. Accepts Allen
Screw or Threaded Rod.



TEE NUTS

CAT. NO.	FINISH	SIZE
TN51618Z	Zinc	5/16"-18

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

Use Riv-Nuts to attach STA112 or
STA2 Standoff Tube Adaptors to
1-1/2" (38.1 mm) and 2" (50.8 mm)
diameter Tubing.



RIV-NUTS

CAT. NO.	FINISH	SIZE
ZRNU	Zinc	5/16"-18

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

Use the Concrete Anchor when securing
the Standoff Base to a cement or stone wall.
Requires 3/8" (9.5 mm) hole in concrete.



CONCRETE ANCHORS

CAT. NO.	SIZE
CA51618	5/16"-18

Minimum order: 1 each.

Lock Washers may be used
with Hex Nuts for mounting
Standoff assemblies.

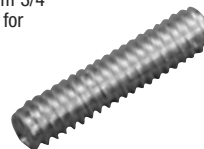


LOCK WASHERS

CAT. NO.	FINISH	SIZE
LW516S	Stainless	5/16"-18
LW516Z	Zinc	5/16"-18

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

Stainless Steel Allen Screws are available
in incremental lengths from 3/4"
(19 mm) to 2" (50.8 mm) for
1-1/4" (31.7 mm)
diameter Standoffs.

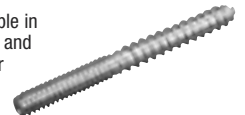


ALLEN SCREWS

CAT. NO.	FINISH	SIZE
AS51634	Stainless	5/16"-18 x 3/4" (19 mm)
AS5161	Stainless	5/16"-18 x 1" (25.4 mm)
AS516114	Stainless	5/16"-18 x 1-1/4" (31.7 mm)
AS516112	Stainless	5/16"-18 x 1-1/2" (38.1 mm)
AS516134	Stainless	5/16"-18 x 1-3/4" (44.4 mm)
AS5162	Stainless	5/16"-18 x 2" (50.8 mm)

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

Hanger Bolts are available in
both stainless and zinc, and
can be used in wood, or
with plastic anchors.



HANGER BOLTS

CAT. NO.	FINISH	SIZE
HB516112S	Stainless	5/16"-18 x 1-1/2" (38.1 mm)
HB516112Z	Zinc	5/16"-18 x 1-1/2" (38.1 mm)
HB516212S	Stainless	5/16"-18 x 2-1/2" (63.5 mm)
HB516212Z	Zinc	5/16"-18 x 2-1/2" (63.5 mm)

Minimum order: 1 each for Stainless; 10 each for Zinc.

Nylock Hex Nuts may be used without
Locking Washers for attachment to Allen
Screws or Threaded Rod for 1-1/4"
(31.7 mm) diameter Standoffs.



NYLOCK HEX NUTS

CAT. NO.	FINISH	SIZE
NLN51618S	Stainless	5/16"-18
NLN51618Z	Zinc	5/16"-18

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

Full 36" (914 mm) lengths of
stainless or zinc Threaded Rod
will permit you to cut Rod
to desired length.



Optional Acorn Nut
to protect threads
during installation.



THREADED RODS/ACORN NUTS

CAT. NO.	FINISH	SIZE
TR51618X36S	Stainless	5/16"-18 x 36" (914 mm)
TR51618X36Z	Zinc	5/16"-18 x 36" (914 mm)
ACN51618	Nickel	5/16"-18 Acorn Nut

Minimum order: 1 each for Rods; 10 each for Nuts.

CRL 1-1/2" (38.1 MM) DIAMETER 316 STAINLESS STEEL STANDOFF SYSTEM

- Available in Brushed and Polished 316 Stainless Steel in Six Standard Lengths
- Secured With 3/8"-16 Threaded Stud
- Custom Sizes and Finishes Are Also Available



CRL's 1-1/2" (38.1 mm) Diameter Standoffs are perfect for attaching heavy glass, granite, and marble to the top of cabinetry. They are available in Brushed or Polished 316 Stainless in a range of standard lengths from 1/2" to 4" (12.7 to 101.6 mm).

Our ability to produce custom size Standoffs in different sizes, thread configurations, and finishes means you can always have the Standoff you need to suit your customer's requirements. See page SC28 for Custom Standoff information.



CRL 1-1/2" (38.1 MM) DIAMETER STANDOFF BASES

Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

CRL's 1-1/2" (38.1 mm) Diameter Standoff Bases are 3/8"-16 threaded at both ends up to 1" (25.4 mm) deep. They can be mounted using 3/8"-16 thread Allen Screws, Threaded Rods, or Hanger Bolts shown on page SC18. Six standard lengths from 1/2" to 4" (12.7 to 101.6 mm) are stocked in Brushed or Polished 316 Stainless. Cap Assemblies (shown below) must be ordered separately.



1-1/2" (38.1 MM) DIAMETER STANDOFF BASES

LENGTH	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.
1/2" (12.7 mm)	SOB11212BS	SOB11212PS
3/4" (19 mm)	SOB11234BS	SOB11234PS
1" (25.4 mm)	SOB1121BS	SOB1121PS
1-1/2" (38.1 mm)	SOB112112BS	SOB112112PS
2" (50.8 mm)	SOB1122BS	SOB1122PS
4" (101.6 mm)	SOB1124BS	SOB1124PS

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

- Two 316 Stainless Finishes
- Six Standard Lengths



CRL CAP ASSEMBLIES FOR 1-1/2" (38.1 MM) DIAMETER STANDOFFS

- Two 316 Stainless Finishes

CRL's 1-1/2" (38.1 mm) Standoff Caps are supplied with a 3/8"-16 x 1" (25.4 mm) Stainless Steel Allen Screw, one Washer with molded sleeve, and one plain Washer. A hole in the side of the Cap is provided for tightening and loosening the Cap to the Standoff Base. Brushed or Polished 316 Stainless finishes to match our 1-1/2" (38.1 mm) Diameter Standoff Bases.



1-1/2" (38.1 MM) ROUND CAP ASSEMBLY

CAT. NO.	FINISH
CAP112BS	Brushed Stainless
CAP112PS	Polished Stainless

1-1/2" (38.1 MM) REPLACEMENT WASHERS

CAT. NO.	DESCRIPTION
CWK112	Vinyl Washer Set

Minimum order: 1 pack.

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

CRL FLUSH MOUNT CAP ASSEMBLY

CRL's Flush Mount Cap Assembly is designed to be used with 1-1/2" (38.1 mm) Standoff Bases in applications where the Standoff Cap must be flush with the surface of the glass. The Flush Cap comes with a 22 mm, 3/8"-16 Socket Head Screw with washers. The Flush Cap measures 1-3/8" (35 mm) in diameter. Minimum material thickness is 3/8" (9.5 mm). An optional 1-1/2" (38.1 mm) Screw is available for use with thicker materials. Minimum order is one each.



CAT. NO. CAPF112BS
Flush Cap

NOTE:
Fabrication Requirements for Flush Cap: 3/4" Diameter Hole; 1-1/2" Countersink (to desired depth) Using Cat. No. BDC112 Diamond Countersink



CAT. NO. CAP38S
1-1/2" (38.1 mm) Screw

CRL 1-1/2" (38.1 MM) DIAMETER CLAD ALUMINUM STANDOFFS

- Clad in Brushed and Polished 316 Stainless Steel in Five Standard Lengths
- Secured With 3/8"-16 Threaded Stud
- Lightweight and Versatile

new



CRL's 1-1/2" (38.1 mm) Clad Aluminum Standoffs have an aluminum core and are beautifully clad in 316 stainless steel. This results in a lightweight product which can be used for most interior applications requiring Standoffs and Cap Assemblies. The Bases are available clad in both brushed and polished 316 stainless, and range in length from 1" to 6" (25.4 to 152.4 mm). These Standoffs are ideal for almost any horizontal application requiring the attachment of glass or granite tops to cabinetry or lighter weight panels to vertical substrates.

Note: Clad Aluminum Standoffs are not recommended for exterior or architectural applications.



CRL 1-1/2" (38.1 MM) DIAMETER CLAD ALUMINUM STANDOFF BASES

Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

CRL's 1-1/2" (38.1 mm) Diameter Clad Aluminum Standoff Bases have 3/8"-16 threads. 1" and 1-1/2" (25.4 and 38.1 mm) lengths are drilled and tapped through; the 2" (50.8 mm) to 6" (152.4 mm) lengths have 1" (25.4 mm) deep threads at both ends. They can be mounted using 3/8"-16 threaded Allen Screws, Threaded Rods, or Hanger Bolts shown on page SC18. Five standard lengths from 1" to 6" (25.4 to 152.4 mm) are stocked in brushed or polished 316 stainless. Cap Assemblies (shown below) must be ordered separately.

1-1/2" (38.1 MM) DIAMETER STANDOFF BASES

LENGTH	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.
1" (25.4 mm)	ACSB1121BS	ACSB1121PS
1-1/2" (38.1 mm)	ACSB112112BS	ACSB112112PS
2" (50.8 mm)	ACSB1122BS	ACSB1122PS
4" (101.6 mm)	ACSB1124BS	ACSB1124PS
6" (152.4 mm)	ACSB1126BS	ACSB1126PS

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



- Clad in Two 316 Stainless Finishes
- Five Standard Lengths



CRL CAP ASSEMBLIES FOR 1-1/2" (38.1 MM) DIAMETER CLAD ALUMINUM STANDOFFS

- Two 316 Stainless Finishes

CRL's 1-1/2" (38.1 mm) Caps for Clad Aluminum Standoffs are supplied with a 3/8"-16 x 1" (25.4 mm) Stainless Steel Allen Screw, one Washer with molded sleeve, and one plain Washer. A hole in the side of the Cap is provided for tightening or loosening the Cap to the Standoff Base. Available in brushed or polished 316 stainless finishes to match our 1-1/2" (38.1 mm) Standoff Bases. Panels require a 5/8" (16 mm) diameter hole for assembly.



1-1/2" (38.1 MM) ROUND CAP ASSEMBLY CAT. NO.	FINISH	1-1/2" (38.1 MM) REPLACEMENT WASHERS CAT. NO.	DESCRIPTION
ACSC112BS	Brushed 316 Stainless	CWK112	Vinyl Washer Set
ACSC112PS	Polished 316 Stainless		

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

Minimum order: 1 pack.

CRL LOW PROFILE CAP ASSEMBLIES

new

- Recommended for Desktops or Tables Where a Low Profile Design is Preferred
- Matches Our 1-1/2" (38.1 mm) Stainless Steel and Clad Aluminum Standoff Bases

CRL's new 316 Stainless Steel Low Profile Cap Assemblies are perfect for applications where a low profile design is both practical and preferred. Supplied with a same components as our Standard Cap Assemblies, the Low Profile Caps are tightened by placing a flat neoprene pad on the surface of the Cap, applying pressure and turning until tight.



1-1/2" (38.1 MM) LOW PROFILE CAP ASSEMBLY CAT. NO.	FINISH
LPC112BS	Brushed 316 Stainless
LPC112PS	Polished 316 Stainless

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

CRL STANDOFF SYSTEMS

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

CRL STANDOFF SYSTEM ACCESSORIES FOR 1-1/2" (38.1 MM) DIAMETER STANDOFFS



Concrete
Anchor



Hanger
Bolt



Threaded
Rod



Allen
Screw



Vinyl
Washers



Hanger Bolt Drivers make installing
Hanger Bolts into wood studs a breeze.

HANGER BOLT DRIVER

CAT. NO.	SIZE
165HB616	3/8" - 16

Minimum order: 1 each.

Stainless Steel Allen Screws are available
in incremental lengths from 1" (25.4 mm)
to 2" (50.8 mm) for 1-1/2" (38.1 mm)
diameter Standoffs.

ALLEN SCREWS

CAT. NO.	FINISH	SIZE
AS381	Stainless Steel	3/8"-16 x 1" (25.4 mm)
AS38114	Stainless Steel	3/8"-16 x 1-1/4" (31.7 mm)
AS38112	Stainless Steel	3/8"-16 x 1-1/2" (38.1 mm)
AS38134	Stainless Steel	3/8"-16 x 1-3/4" (44.4 mm)
AS382	Stainless Steel	3/8"-16 x 2" (50.8 mm)

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

Full 36" (914 mm) lengths of stainless or
zinc Threaded Rod will permit you to cut
Rod to desired length.

THREADED RODS

CAT. NO.	FINISH	SIZE
TR3816X36S	Stainless	3/8"-16 x 36" (914 mm)
TR3816X36Z	Zinc	3/8"-16 x 36" (914 mm)

Minimum order: 1 each.

Hex and Nylock Hex Nuts are used
with Allen Screws or Threaded Rod
for securing 1-1/2" (38.1 mm)
diameter Standoffs.



Hex Nut



Nylock Hex Nut

HEX AND NYLOCK HEX NUTS

CAT. NO.	FINISH	TYPE	SIZE
HN3816S	Stainless	Hex	3/8"-16
HN3816Z	Zinc	Hex	3/8"-16
NLN3816S	Stainless	Nylock	3/8"-16
NLN3816Z	Zinc	Nylock	3/8"-16

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

Flat and Lock Washers are used
when attaching Standoffs to panels or
substrates. Available in two finishes.

FLAT AND LOCK WASHERS

CAT. NO.	FINISH	TYPE	SIZE
FW38S	Stainless	Flat	3/8"-16
FW38Z	Zinc	Flat	3/8"-16
LW38S	Stainless	Lock	3/8"-16
LW38Z	Zinc	Lock	3/8"-16

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



Flat Washer



Lock Washer



Lock
Washer



Flat
Washer



CAT. NO. ASW12

Adjustable strap to install Standoff Bases
without damaging surface finish.



Nylock
Hex Nut



Hex Nut



Tee Nut



Acorn Nut

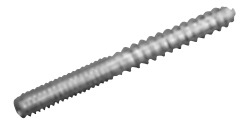
STANDOFF WRENCH

The Standoff Wrench provides a quick
and efficient method of tightening and
loosening the Cap Assembly of Round
Standoffs from 1-1/2" (38.1 mm) to 2"
(50.8 mm) in diameter. Minimum order
is one each.



CAT. NO. SSW12

Hanger Bolts are available in both
stainless and zinc, and can be used
in wood, or with plastic anchors.



HANGER BOLTS

CAT. NO.	FINISH	SIZE
HB38112S	Stainless	3/8"-16 x 1-1/2" (38.1 mm)
HB38112Z	Zinc	3/8"-16 x 1-1/2" (38.1 mm)
HB38212S	Stainless	3/8"-16 x 2-1/2" (63.5 mm)
HB38212Z	Zinc	3/8"-16 x 2-1/2" (63.5 mm)

Minimum order: 1 each for Stainless; 10 each for Zinc.

Acorn Nuts are commonly used on Hanger Bolts
to protect the thread during installation. Tee Nuts
are mainly used in wood or plywood applications
where they can be installed on the back side.
Tee Nuts accept Allen Screws or Threaded Rod.



Acorn Nut



Tee Nut

ACORN AND TEE NUTS

CAT. NO.	FINISH	TYPE	SIZE
ACN3816S	Stainless	Acorn	3/8"-16
ACN3816Z	Zinc	Acorn	3/8"-16
TN3816Z	Zinc	Tee	3/8"-16

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

Use the Concrete Anchor when
securing the Standoff Base to a
cement or stone wall. Requires
7/16" (11 mm) hole in concrete.



CONCRETE ANCHORS

CAT. NO.	SIZE
CA3816	3/8"-16

Minimum order: 1 each.

Vinyl Washers for 1-1/2" (38.1 mm)
diameter Standoffs. Set consists of
two washers, one with a grommet.



VINYL WASHERS

CAT. NO.	DESCRIPTION
CWK112	Washer Set for 1-1/2" (38.1 mm) Standoffs

Minimum order: 1 pack.



CRL 2" (50.8 MM) DIAMETER 316 STAINLESS STEEL STANDOFF SYSTEM

- Available in Brushed and Polished 316 Stainless Steel in Six Standard Lengths
- Secured With 3/8"-16 Threaded Stud
- Custom Sizes and Finishes Are Also Available



CRL's 2" (50.8 mm) Diameter Standoffs are available in Brushed or Polished 316 Stainless in a range of standard lengths from 1/2" to 4" (12.7 to 101.6 mm). They are frequently used to attach heavy glass, granite, and marble to cabinet tops and kitchen islands, a very popular trend in modern homes.

CRL has the ability to produce custom size Standoffs in different sizes, thread configurations, and finishes. This means you can always have the Standoff you need to suit your customer's requirements. See page SC28 for more information on Custom Standoffs.



CRL 2" (50.8 MM) DIAMETER STANDOFF BASES

Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

CRL's 2" (50.8 mm) Diameter Standoff Bases can be mounted using the 3/8"-16 thread Allen Screws, Threaded Rods, or Hanger Bolts shown on page SC22. They are 3/8"-16 threaded up to 1" (25.4 mm) deep at both ends, and stocked in six standard lengths from 1/2" to 4" (12.7 to 101.6 mm) in Brushed or Polished 316 Stainless. Cap Assemblies (shown below) must be ordered separately.



2" (50.8 MM) DIAMETER STANDOFF BASES

LENGTH	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.
1/2" (12.7 mm)	S0B212BS	S0B212PS
3/4" (19 mm)	S0B234BS	S0B234PS
1" (25.4 mm)	S0B21BS	S0B21PS
1-1/2" (38.1 mm)	S0B2112BS	S0B2112PS
2" (50.8 mm)	S0B22BS	S0B22PS
4" (101.6 mm)	S0B24BS	S0B24PS

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

- Two 316 Stainless Finishes
- Six Standard Lengths



CRL CAP ASSEMBLIES FOR 2" (50.8 MM) DIAMETER STANDOFFS

- Two 316 Stainless Finishes

CRL's 2" (50.8 mm) Standoff Caps are supplied with a 3/8"-16 x 1" (25.4 mm) Stainless Steel Allen Screw, one Washer with molded sleeve, and one plain Washer. They come in Brushed or Polished 316 Stainless finishes to match our 2" (50.8 mm) Diameter Standoff Bases. A hole in the side of the Cap is provided for tightening the Cap to the Standoff Base.



2" (50.8 MM) ROUND CAP ASSEMBLY

CAT. NO.	FINISH
CAP2BS	Brushed 316 Stainless
CAP2PS	Polished 316 Stainless

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

2" (50.8 MM) REPLACEMENT WASHERS

CAT. NO.	DESCRIPTION
CWK2	Vinyl Washer Set

Minimum order: 1 pack.

CRL LOW PROFILE CAP ASSEMBLIES

new

- Recommended for Desktops or Tables Where a Low Profile Design is Preferred
- Matches Our 2" (50.8 mm) Standoff Bases

CRL's new 316 Stainless Steel Low Profile Cap Assemblies are perfect for applications where a low profile design is both practical and preferred. Supplied with a same components as our Standard Cap Assemblies, the Low Profile Caps are tightened by placing a flat neoprene pad on the surface of the Cap, applying pressure and turning until tight.



2" (50.8 MM) LOW PROFILE CAP ASSEMBLY

CAT. NO.	FINISH
LPC2BS	Brushed 316 Stainless
LPC2PS	Polished 316 Stainless

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

CRL 2" (50.8 MM) DIAMETER CLAD ALUMINUM STANDOFFS

- Clad in Brushed and Polished 316 Stainless Steel in Five Standard Lengths
- Secured With 3/8"-16 Threaded Stud
- Lightweight and Versatile

new



CRL's 2" (50.8 mm) Clad Aluminum Standoffs have an aluminum core and are beautifully clad in 316 stainless steel. This results in a lightweight product which can be used for most interior applications requiring Standoffs and Cap Assemblies. The Bases are available clad in both brushed and polished 316 stainless, and range in length from 1" to 6" (25.4 to 152.4 mm). These Standoffs are ideal for almost any horizontal application requiring the attachment of glass or granite tops to cabinetry or lighter weight panels to vertical substrates.

NOTE: Clad Aluminum Standoffs are not recommended for exterior or architectural applications.



CRL 2" (50.8 MM) DIAMETER CLAD ALUMINUM STANDOFF BASES

Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

CRL's 2" (50.8 mm) Diameter Clad Aluminum Standoff Bases have 3/8"-16 threads. 1" and 1-1/2" (25.4 and 38.1 mm) lengths are drilled and tapped through; the 2" (50.8 mm) to 6" (152.4 mm) lengths have 1" (25.4 mm) deep threads at both ends. They can be mounted using 3/8"-16 threaded Allen Screws, Threaded Rods, or Hanger Bolts shown on page SC22. Five standard lengths from 1" to 6" (25.4 to 152.4 mm) are stocked in brushed or polished 316 stainless. Cap Assemblies (shown below) must be ordered separately.

2" (50.8 MM) DIAMETER STANDOFF BASES

LENGTH	BRUSHED 316 STAINLESS CAT. NO.	POLISHED 316 STAINLESS CAT. NO.
1" (25.4 mm)	ACSB21BS	ACSB21PS
1-1/2" (38.1 mm)	ACSB2112BS	ACSB2112PS
2" (50.8 mm)	ACSB22BS	ACSB22PS
4" (101.6 mm)	ACSB24BS	ACSB24PS
6" (152.4 mm)	ACSB26BS	ACSB26PS

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



- Clad in Two 316 Stainless Finishes
- Five Standard Lengths



CRL CAP ASSEMBLIES FOR 2" (50.8 MM) DIAMETER CLAD ALUMINUM STANDOFFS

- Two 316 Stainless Finishes

CRL's 2" (50.8 mm) Caps for Clad Aluminum Standoffs are supplied with a 3/8"-16 x 1" (25.4 mm) Stainless Steel Allen Screw, one Washer with molded sleeve, and one plain Washer. A hole in the side of the Cap is provided for tightening or loosening the Cap to the Standoff Base. Available in brushed or polished 316 stainless finishes to match our 2" (50.8 mm) Standoff Bases. Requires drilling a 5/8" (16 mm) diameter hole in the panel for assembly.



2" (50.8 MM) ROUND CAP ASSEMBLY

CAT. NO.	FINISH
ACSC2BS	Brushed 316 Stainless
ACSC2PS	Polished 316 Stainless

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

2" (50.8 MM) REPLACEMENT WASHERS

CAT. NO.	DESCRIPTION
CWK2	Vinyl Washer Set

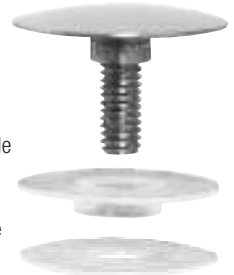
Minimum order: 1 pack.

CRL LOW PROFILE CAP ASSEMBLIES

- Recommended for Desktops or Tables Where a Low Profile Design is Preferred
- Matches our 2" (50.8 mm) Standoff Bases

new

CRL's new 316 Stainless Steel Low Profile Cap Assemblies are perfect for applications where a low profile design is both practical and preferred. Supplied with a same components as our Standard Cap Assemblies, the Low Profile Caps are tightened by placing a flat neoprene pad on the surface of the Cap, applying pressure and turning until tight.



2" (50.8 MM) LOW PROFILE CAP ASSEMBLY

CAT. NO.	FINISH
LPC2BS	Brushed 316 Stainless
LPC2PS	Polished 316 Stainless

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

CRL STANDOFF SYSTEMS

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CRL STANDOFF SYSTEM ACCESSORIES FOR 2" (50.8 MM) DIAMETER STANDOFFS



Concrete Anchor



Hanger Bolt



Threaded Rod



Allen Screw

Stainless Steel Allen Screws are available in incremental lengths from 1" (25.4 mm) to 2" (50.8 mm) for 2" (50.8 mm) diameter Standoffs.

ALLEN SCREWS

CAT. NO.	FINISH	SIZE
AS381	Stainless Steel	3/8"-16 x 1" (25.4 mm)
AS38114	Stainless Steel	3/8"-16 x 1-1/4" (31.7 mm)
AS38112	Stainless Steel	3/8"-16 x 1-1/2" (38.1 mm)
AS38134	Stainless Steel	3/8"-16 x 1-3/4" (44.4 mm)
AS382	Stainless Steel	3/8"-16 x 2" (50.8 mm)

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

Full 36" (914 mm) lengths of stainless or zinc Threaded Rod will permit you to cut Rod to desired length.

THREADED RODS

CAT. NO.	FINISH	SIZE
TR3816X36S	Stainless	3/8"-16 x 36" (914 mm)
TR3816X36Z	Zinc	3/8"-16 x 36" (914 mm)

Minimum order: 1 each.

Hex and Nylock Hex Nuts are used with Allen Screws or Threaded Rod for securing 2" (50.8 mm) diameter Standoffs.



Hex Nut



Nylock Hex Nut

HEX AND NYLOCK HEX NUTS

CAT. NO.	FINISH	TYPE	SIZE
HN3816S	Stainless	Hex	3/8"-16
HN3816Z	Zinc	Hex	3/8"-16
NLN3816S	Stainless	Nylock	3/8"-16
NLN3816Z	Zinc	Nylock	3/8"-16

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

Flat and Lock Washers are used when attaching Standoffs to panels or substrates. Available in two finishes.



Flat Washer



Lock Washer

FLAT AND LOCK WASHERS

CAT. NO.	FINISH	TYPE	SIZE
FW38S	Stainless	Flat	3/8"-16
FW38Z	Zinc	Flat	3/8"-16
LW38S	Stainless	Lock	3/8"-16
LW38Z	Zinc	Lock	3/8"-16

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



Nylock Hex Nut



Hex Nut



Tee Nut



Acorn Nut



Vinyl Washers



Lock Washer



Flat Washer

Hanger Bolt Drivers make installing Hanger Bolts into wood studs a breeze.

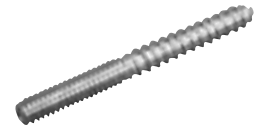


HANGER BOLT DRIVER

CAT. NO.	SIZE
165HB616	3/8" - 16

Minimum order: 1 each.

Hanger Bolts are available in both stainless and zinc, and can be used in wood, or with plastic anchors.



HANGER BOLTS

CAT. NO.	FINISH	SIZE
HB38112S	Stainless	3/8"-16 x 1-1/2" (38.1 mm)
HB38112Z	Zinc	3/8"-16 x 1-1/2" (38.1 mm)
HB38212S	Stainless	3/8"-16 x 2-1/2" (63.5 mm)
HB38212Z	Zinc	3/8"-16 x 2-1/2" (63.5 mm)

Minimum order: 1 each for Stainless; 10 each for Zinc.

Acorn Nuts are commonly used on Hanger Bolts to protect the thread during installation. Tee Nuts are mainly used in wood or plywood applications where they can be installed on the back side. Tee Nuts accept Allen Screws or Threaded Rod.



Acorn Nut



Tee Nut

ACORN AND TEE NUTS

CAT. NO.	FINISH	TYPE	SIZE
ACN3816S	Stainless	Acorn	3/8"-16
ACN3816Z	Zinc	Acorn	3/8"-16
TN3816Z	Zinc	Tee	3/8"-16

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

Use the Concrete Anchor when securing the Standoff Base to a concrete or stone wall. Requires 7/16" (11 mm) hole in concrete.



CONCRETE ANCHORS

CAT. NO.	SIZE
CA3816	3/8" - 16

Minimum order: 1 each.

Vinyl Washers for 2" (50.8 mm) diameter Standoffs. Set consists of two washers, one with a grommet.



VINYL WASHERS

CAT. NO.	DESCRIPTION
CWK2	Washer Set for 2" (50.8 mm) Standoffs

Minimum order: 1 pack.

CRL UV THREADED ADAPTERS

- Allow You to Glue Standoffs, Knobs, Pulls, and Towel Bars to Glass Without Drilling Holes
- Fabricated From 316 Stainless Steel
- Available in Six Diameters



CAT. NO.	DIAMETER	THREAD SIZE
UV34ADP	3/4" (19 mm)	1/4"-20 UNC
UV1ADP	1" (25.4 mm)	1/4"-20 UNC
UV1316ADP	1-3/16" (30.2 mm)	1/4"-20 UNC
UV114ADP	1-1/4" (31.8 mm)	5/16"-18 UNC
UV112ADP	1-1/2" (38.1 mm)	3/8"-16 UNC
UV2ADP	2" (50.8 mm)	3/8"-16 UNC

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

CRL UV ADJUSTABLE STANDOFF BASE

- Adjusts to Uneven Surfaces
- Use for Glass Cabinets or Furniture Legs
- Brushed Stainless Steel Finish
- M6 x 1" (25 mm) Threaded Rod for Length Adjustment



new



Adjustable Length
1-15/16" to 2-1/8"
(49.2 to 54 mm)

CAT. NO.	DIAMETER	ADJUSTABLE LENGTH
UVAS0B1	1-5/8" (41.3 mm)	1-15/16" to 2-1/8" (49.2 to 54 mm)

Minimum order: 1 each.

CRL UV GLASS SHELF SUPPORTS

Perfect for all glass bookcases, etageres or cabinets, these CRL Glass Shelf Supports are fabricated from 1-9/16" (40 mm) diameter stainless steel tubing for strength and corrosion resistance. Available in four lengths, they are supplied complete with two 2" (51 mm) bonding plates and threaded rod. For Replacement Caps order Cat. No. UV611CAP.

CAT. NO.	DESCRIPTION	LENGTH
UV6111	Shelf Support	4-1/2" (120 mm)
UV6112	Shelf Support	8-1/2" (220 mm)
UV6113	Shelf Support	12-1/2" (320 mm)
UV6114	Shelf Support	16-1/2" (420 mm)
UV611CAP	Replacement Cap	----

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

new



- Stainless Steel



CRL UV VERTICAL COUNTERTOP SUPPORT

new

- Base Easily Mounts Mechanically to the Countertop
- Choose From Three Beautiful Finishes to Match Decor
- Easy to Install and Maintain

CAT. NO.	FINISH
UV0130	Chrome
UV0131	Satin Chrome
UV0132	Satin Nickel

Minimum order: 1 each.



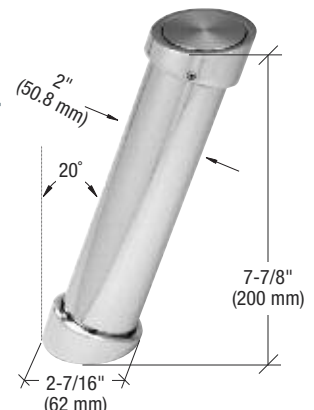
CRL UV ANGLED COUNTERTOP SUPPORT

new

- Projects the Surface Outward for Extra Clearance
- Allows Precise Adjustment After UV Bonding for a Perfect Fit
- Finishes to Match Our Vertical Countertop Supports

CAT. NO.	FINISH
UV0135	Chrome
UV0136	Satin Chrome
UV0137	Satin Nickel

Minimum order: 1 each.



CRL TUBE STYLE STANDOFF BASE AND CAP ASSEMBLY



- Convenient Compact Design Includes Base, Cap, Stud, and Washers
- Two Diameters - 5/8" (15.9 mm) and 1" (25.4 mm)
- Available in Two Finishes

new



5/8" (15.9 mm) Diameter
Shown in Satin Chrome Finish



1" (25.4 mm) Diameter
Shown in Chrome Finish

Available in chrome or satin chrome finishes, CRL's Tube Style Standoffs are new and very unique. The 5/8" (15.9 mm) and 1" (25.4 mm) diameter Standoffs come complete with 1" (25.4 mm) long Base, Threaded Insert, and Cap with welded stud including clear washers and vinyl sleeve. Tube Style Standoffs are ideal for exhibit building, decorative acrylic panels, signage or lightweight glass displays. Designed primarily for the installation of vertical panels or displays, Tube Style Standoffs can also be used for horizontal applications such as elevating a glass top on a table or desk.

Required Panel Fabrication: 5/8" (15.9 mm) diameter Standoffs require 9/32" (7 mm) holes for installation; 1" (25.4 mm) diameter Standoffs require 7/16" (11 mm) drilled holes. The maximum recommended panel thickness is 3/8" (9.5 mm).

Installation is quick and easy. Using the Cat. No. 8X2FHPSMS Screw, simply attach Threaded Insert to substrate, screw-on Standoff Base, install Cap Assembly through the panel and you're done.

CAT. NO.	DIAMETER	LENGTH	FINISH
TS58CH	5/8" (15.9 mm)	1" (25 mm)	Chrome
TS58SC	5/8" (15.9 mm)	1" (25 mm)	Satin Chrome
TS1CH	1" (25.4 mm)	1" (25 mm)	Chrome
TS1SC	1" (25.4 mm)	1" (25 mm)	Satin Chrome

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

INSTALLATION



Set Threaded Insert to Wall



Place Base onto Threaded
Insert and Fasten



Tighten Base with
Cat. No. ASW12 Wrench



Align Hole in Panel and
Install Cap Assembly

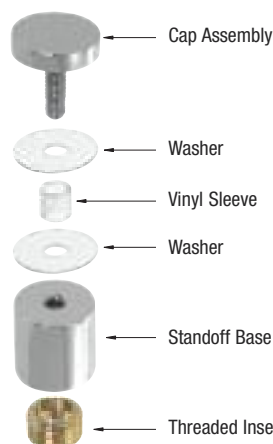


Tighten Cap with
Cat. No. SOW Wrench

Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

INSTALLATION OPTIONS AND ACCESSORIES

Note: Mounting and Installation Accessories ordered separately



CAT. NO. HR12X112
Plastic Anchor
For use in concrete, brick or stone



CAT. NO. T11011
Toggle Anchor
For attaching Standoffs into drywall, panels, plaster walls or hollow core doors



CAT. NO. 8X2FHPSMS
Phillips Screw
For installation of Threaded Insert into Anchor or wood blocking



CAT. NO. 70231
Toggle Bolt
Used for installations into wallboard, wood or steel up to 2-1/2" (63.5 mm) thick



CAT. NO. ASW12
Strap Wrench
For tightening or loosening Standoff Bases



CAT. NO. SOW
Standoff Wrench
For tightening or loosening Standoff Caps

CRL 1-1/4" (31.7 MM) DIAMETER STUD MOUNT STANDOFF BASES

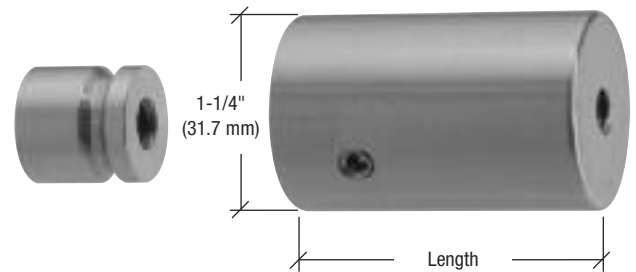
new



- Brushed 316 Stainless Steel
- Available in Two Lengths

CRL Stud Mount Standoffs are designed for easy removal from the wall without dismantling from the panel or glass. Commonly used in areas that conceal inspection hatches or machinery that requires scheduled maintenance. Simply loosening the Allen set screw allows for easy removal. Panels require a 5/8" (16 mm) hole for assembly. Does not include a Cat. No. CAP114BS Standoff Cap (see page SC13). Designed to be used with our 1-1/4" (31.7 mm) Diameter Standoff components (see page SC15).

- Easily Attached and Removed From a Wall Mounted Stud



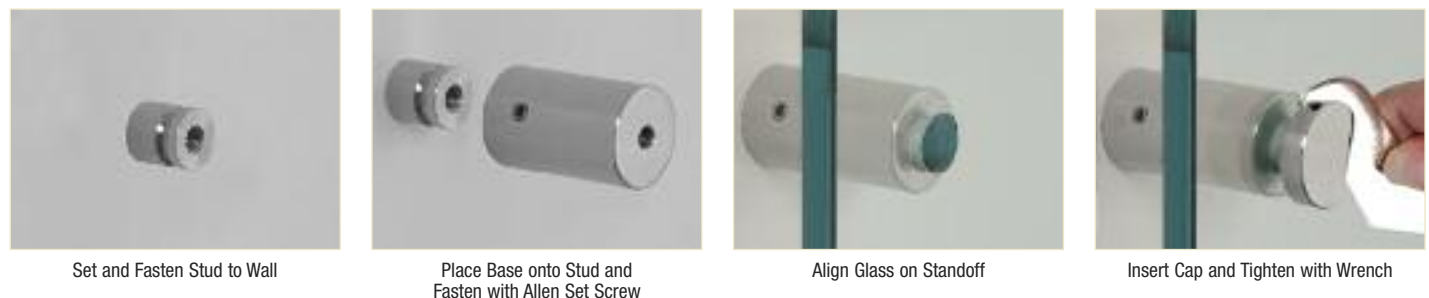
CRL 1-1/4" (31.7 MM) DIAMETER STUD MOUNT STANDOFF INSTALLATION STEPS



Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

CAT. NO.	LENGTH	FINISH
SMS114112BS	1-1/2" (38.1 mm)	Brushed 316 Stainless
SMS1142BS	2" (50.8 mm)	Brushed 316 Stainless

Minimum order: 1 each. All Standoffs can be combined for quantity pricing.
NOTE: Minimum material thickness for use with 1-1/4" (31.7 mm) diameter Standoff Bases is 1/4" (6.3 mm) when used with Standard and Low Profile Caps, and 3/8" (9.5 mm) when used with Flush Mount Cap.



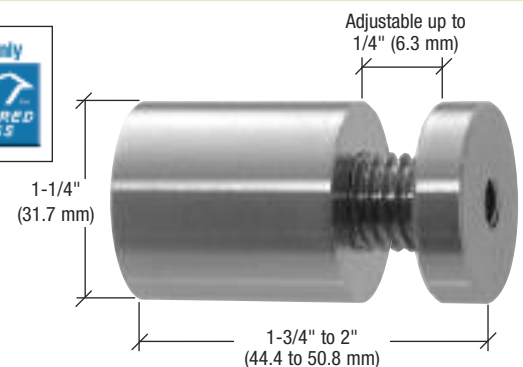
CRL 1-1/4" (31.7 MM) DIAMETER ADJUSTABLE STANDOFF BASE

new



- Allows 1/4" (6.3 mm) Adjustment for Irregular Walls
- Eliminates Washers to Accomplish an Even Sightline
- Brushed 316 Stainless Steel

The CRL Adjustable Standoff is primarily designed for use on uneven walls or surfaces. When the adjustment collar is in the compressed position the base measures 1-3/4" (44.5 mm) in length. When the collar is backed out an additional 1/4" (6.3 mm) is gained for a 2" (50.8 mm) length. Any length in-between is possible simply by rotating the collar to the desired measurement and securing it with the Allen set screw. Panels require a 5/8" (16 mm) hole for assembly. Does not include a Cat. No. CAP114BS Standoff Cap (see page SC13). Designed to be used with our 1-1/4" (31.7 mm) Diameter Standoff components (see page SC15).



Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

CAT. NO.	LENGTH	FINISH
ASB114134BS	Adjustable 1-3/4" to 2"	Brushed 316 Stainless

Minimum order: 1 each. All Standoffs can be combined for quantity pricing.
NOTE: Minimum material thickness for use with 1-1/4" (31.7 mm) diameter Standoff Bases is 1/4" (6.3 mm) when used with Standard and Low Profile Caps, and 3/8" (9.5 mm) when used with Flush Mount Cap.

CRL SLOT MOUNT STANDOFFS

- Designed to Hold 1/4" (6.3 mm), 3/8" (9.5 mm) or 1/2" (12.7 mm) Thick Panels
- No Drilling Required for Installation

CRL's Slot Mount Standoffs are designed to be mounted either vertically or horizontally, and can be used for installing partition panels, shelving or signage without drilling holes in the material. Nylon tip set screws hold panels firmly in place without damaging panel material or glass. These 1-1/4" (31.7 mm) diameter Standoff Bases are available in brass, chrome, satin chrome, brushed stainless, and gun metal finishes. CRL's Standoff System Accessories can also be used for various mounting and installation options. (see page SC15).



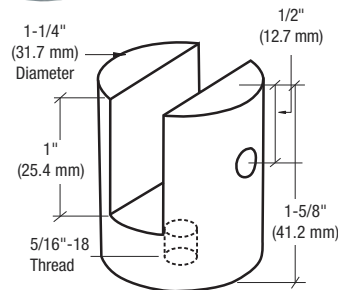
Set Fastener into Surface



Thread Onto Fastener



or Install on Standoff Base



MATERIAL THICKNESS	BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.	BRUSHED STAINLESS CAT. NO.	GUN METAL CAT. NO.
1/4" (6.3 mm)	SM14BR	SM14CH	SM14SC	SM14BS	SM14GM
3/8" (9.5 mm)	SM38BR	SM38CH	SM38SC	SM38BS	SM38GM
1/2" (12.7 mm)	SM12BR	SM12CH	SM12SC	SM12BS	SM12GM

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

• Five Decorator Finishes

Slot Mount Standoff Assemblies Consist of:

- 1 Each Standoff
- 1 Each Nylon Tip Set Screw
- 1 Each Clear "L" Gasket

Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

CRL STAINLESS STEEL STANDOFF

- Used to Mount Glass Panels to Walls, Brackets or Columns
- 1-3/16" (30.1 mm) Diameter
- Durable High Tech Finish



This CRL Stainless Steel Standoff Assembly is very popular in architectural applications to secure a lite of glass to a threaded metal bracket or column without the use of a frame. The glass is fabricated with the required holes, and then secured with the Standoff to create a frameless appearance. The Cat. No. SW30 Spanner Wrench is used to secure the Cap Assembly to the Standoff Base.

The Stainless Steel Standoff is designed to be used with panels ranging in thickness from 1/4" to 1/2" (6.3 to 12.7 mm). The maximum recommended panel size for 1/2" (12 mm) glass is 39" x 79" (990 x 2006 mm), with a maximum weight per attachment point of 55 pounds (25 kg). A 5/8" (16 mm) drilled hole is required for installation. **NOTE:** The SS30 Standoff is not compatible with other CRL Standoff Systems.

The SS30 Standoff Assembly Consists of:

- 1 Cap - 1/4" (6.3 mm) Thick; 1 Base - 3/8" (9.5 mm) Thick;
- 1 Allen Screw - M8 Metric Thread x 1-3/4" (44 mm) Long;
- 2 Vinyl Washers - 1-3/16" (30 mm) Diameter; 1 Vinyl Sleeve - 3/16" (5 mm) Long.



Spanner Wrench

CAT. NO.	DESCRIPTION
SS30	Stainless Steel Standoff
SW30	Spanner Wrench

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

Due to the diversity of applications, weight limitations for Standoff Systems are dependent upon wall or substrate anchoring and material strengths.

CRL EDGE GRIP DISPLAY SYSTEM



EG14
for 1/4" (6.3 mm)
Thick Panels



EG38
for 3/8" (9.5 mm)
Thick Panels



EG12
for 1/2" (12.7 mm)
Thick Panels

- Designed to Hold Glass, Acrylic, Metal or Wood Panels in Thicknesses of 1/4" (6.3 mm), 3/8" (9.5 mm), or 1/2" (12.7 mm)
- No Drilling Required in Glass or Panel Materials

CRL's Edge Grips provide additional flexibility in attaching decorative panels or signage to walls or substrates. The Edge Grip allows material to be held to the wall without drilling holes in the face material. This allows for quick installation or adjustment of panels mounted in Edge Grips. 1-1/4" (31.7 mm) diameter Edge Grips are available in brass, chrome, satin chrome, brushed 316 stainless, and gun metal finishes, and are compatible with CRL Standoffs. We recommend CRL Edge Grips be used at the top, bottom, and sides of heavier panels for maximum support.

Edge Grip Specs

Diameter: 1-1/4" (31.7 mm)
EG14 Length: 1-1/16" (27 mm)
EG38 Length: 1-1/8" (28.6 mm)
EG12 Length: 1-3/16" (30.1 mm)



Edge Grips are perfect for
signs or posters



Edge Grips shown in use on
display columns commonly
found in museums, at trade
shows, etc.

REPLACEMENT SCREWS FOR EDGE GRIPS

CAT. NO.	DESCRIPTION
EGCS	5/16"-18 Socket Head Cap Screw
EGNS	3/16" - 32 Nylon Tipped Allen Screw

Minimum order: 1 each.

EDGE GRIPS

MATERIAL THICKNESS	BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.	BRUSHED 316 STAINLESS CAT. NO.	GUN METAL CAT. NO.
1/4" (6.3 mm)	EG14BR	EG14CH	EG14SC	EG14BS	EG14GM
3/8" (9.5 mm)	EG38BR	EG38CH	EG38SC	EG38BS	EG38GM
1/2" (12.7 mm)	EG12BR	EG12CH	EG12SC	EG12BS	EG12GM
Cover Disk*	EGD1SKBR	EGD1SKCH	EGD1SKSC	EGD1SKBS	EGD1SKGM

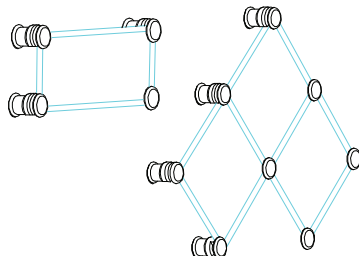
Minimum order: 1 each. All Edge Grips can be combined for quantity pricing. *One Cover Disk comes with each Edge Grip. Additional Cover Disks sold separately.

CRL ADJUSTABLE STANDOFF **new**

- Accommodates 3/16" to 3/8" (5 to 10 mm) Thick Panels
- Available in Chrome and Satin Chrome Finishes



Chrome Finish Shown



Similar to CRL's Edge Grips, our new 1" (25.4 mm) diameter Adjustable Standoff is the ideal solution for mounting name plates, signage or decorative panels to the wall without drilling holes in the panel. The Standoff has a 5/8" (15.9 mm) long internal adjustable "+" which is designed to support the corners of 3/16" to 3/8" (5 to 10 mm) thick panels. Each Adjustable Standoff can grip and support up to four corners. Available in chrome and satin chrome, the Standoff comes with a screw, anchor, and Allen wrench.

CAT. NO.	DIAMETER	FINISH
AS1CH	1" (25.4 mm)	Chrome
AS1SC	1" (25.4 mm)	Satin Chrome

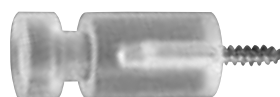
Minimum order: 1 each. All Standoffs can be combined for quantity pricing.

CRL FRAMEPEGS

- Perfect for Hanging Lightweight Mirrors, Signs, Artwork
- Available in Aluminum or Acrylic



Aluminum Style Framepegs



Acrylic Style Framepegs



CRL Framepegs are a new and easy-to-use method of displaying art objects, mirrors, signage or posters without drilling holes in the items being displayed. Framepegs are ideal for either retail or residential applications, and can accept panels or objects up to 1/4" (6.3 mm) thick, with a maximum weight of 33 pounds (15 kg). Available in 6061-T6 aluminum or clear acrylic material, Framepegs can be used individually as a hook, in pairs to support an item at the bottom, or at both the top and bottom to provide maximum support. CRL Framepegs ship in a pack of four each with wall anchors and installation instructions.

CAT. NO.	DIAMETER	DESCRIPTION
FPAL4	3/4" (19 mm)	Aluminum Set of 4
FPAC4	7/8" (22.2 mm)	Acrylic Set of 4

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

CRL CUSTOM MANUFACTURED STANDOFF SERVICE

- Machined to Your Specifications in Lengths Up to 48" (1219 mm)
- Choose From a Variety of Bar Stock Dimensions
- Available in the Following Finishes:
Polished Stainless, Brushed Stainless,
Polished Brass, Satin Brass, Sandblasted Stainless
Steel, and Powder Paint
- Custom Finishes Are Also Available
- Timely Delivery



CRL Custom Standoff Fittings may require machining, welding, bending, and special finishing. This can all be accomplished with our in-house equipment for the fastest delivery time in the industry. Not only will we bring your design to reality, but our Technical Sales staff is here to assist you with alternate designs or suggestions. We work every day with our customers to fulfill their glass attachment needs. Fax or e-mail your Custom Standoff requirements to CRL Technical Sales and we will quickly respond with a quotation.

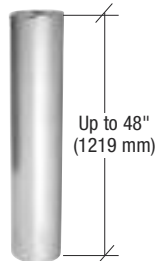
NOTE: If diameter or square is equal to, or less than 3" (76 mm), the maximum length is 48" (1219 mm).
If diameter or square is between 3" and 4" (76 to 102 mm), the maximum length is 8" (203 mm).



Custom Cap Diameters



Custom Base Diameters



Custom Base Heights



Bending
(on Selected Diameters)



Welding on All Diameters



Custom Square Caps



Custom Square Base Widths



Custom Square Base Heights



Precision Machining



Custom Counter



Custom Table Top



Custom Railing



CRL SRS STANDOFF RAILING SYSTEM

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

CRL STANDOFF RAILING SYSTEM

C.R. Laurence Company is now manufacturing Standoff Railing Systems. By specializing in the design and manufacturing of this innovative system, we offer you the ability to create custom railings that will address project-specific criteria. Product development is an ongoing process at CRL. Rest assured that the products we offer will represent the current evolution of the railing industry.

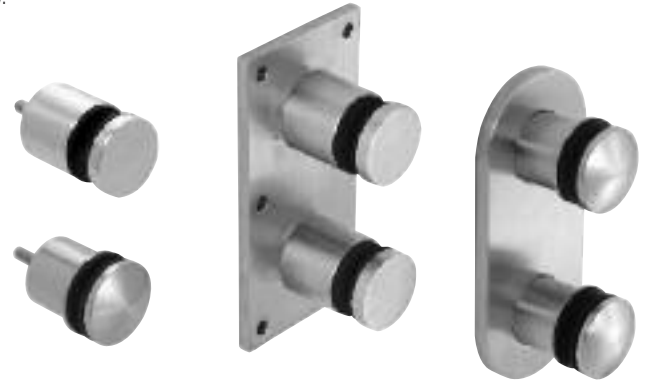


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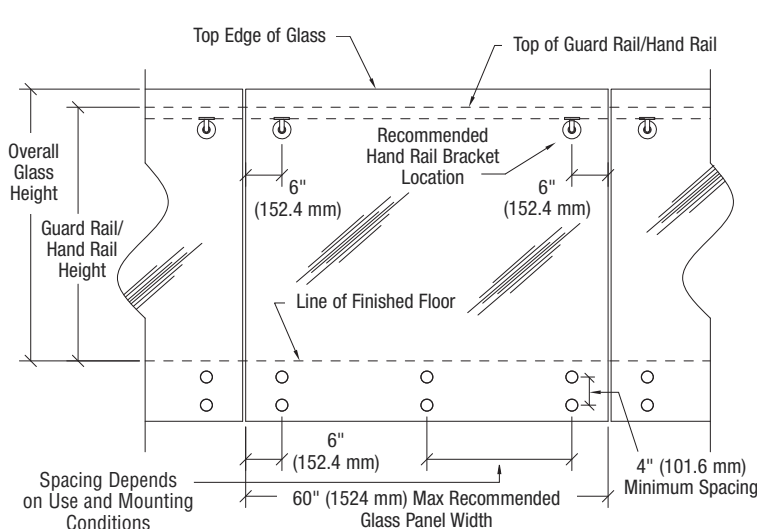


DESIGN OPTIONS

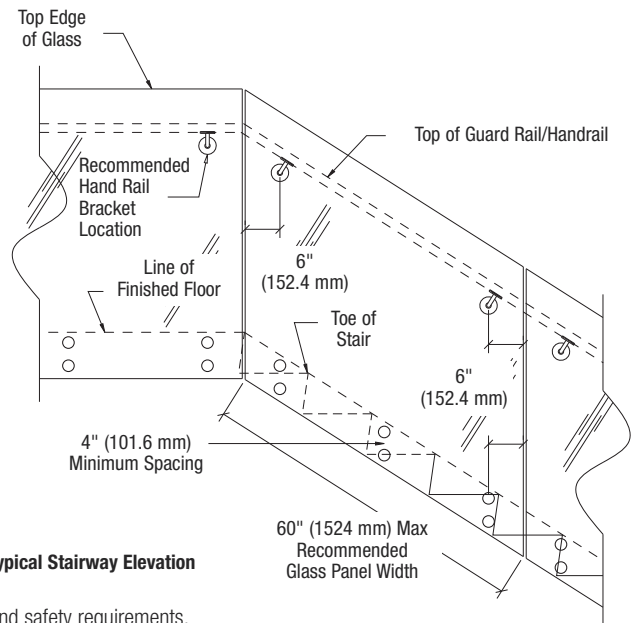
- Two New Innovative Designs for Use With 1/2" and 3/4" (12 and 19 mm) Monolithic Tempered Glass or 9/16" and 27/32" (13.52 and 21.52 mm) Laminated Tempered Glass Using DuPont® SentryGlas® Interlayers
- Brushed or Polished 316 Grade Stainless Finishes Available
- Powder Coated Finishes are Also Available
- Designed for Guard Rail, Stairway, and Ramp Areas in Exterior and Interior Applications



Auto Cad Details and Specifications are
Available at: crlaurence.com



Typical Standoff Glass Rail Elevation



Typical Stairway Elevation

NOTE: If cap rail is not used a horizontal heavy wall hand rail is required to meet guard rail life and safety requirements.

CRL SRS STANDOFF RAILING SYSTEM

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

CRL GLASS RAIL STANDOFF FITTINGS

- Complete With Mounting 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 DuPont™ SentryGlas® Interlayers
- Brushed or Polished 316 Grade Stainless Finishes Available
- Designed for Steel, Wood, and Concrete Substrates



CRL's Heavy-Duty Point Supported Glass Rail Standoff Fittings gives the installer more adjustment during installation for those tricky job site mounting conditions. The steel back plate can be fastened directly to steel, concrete, or wood substrates and shimmed as required with blocking.

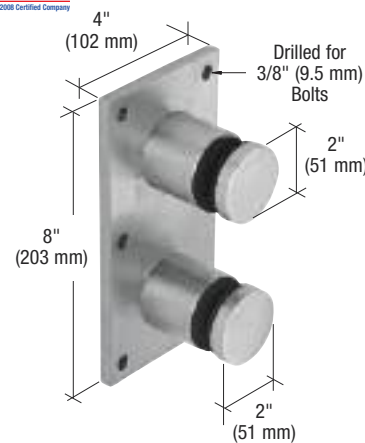
The Standoffs are mechanically fastened to a 3/8" (9.5 mm) thick 316 grade stainless steel back plate that is pre-drilled for mounting. Two popular stainless steel finishes are available from stock. If your customer has a special job site condition, custom diameters and lengths are also available. Attachment anchors for wood concrete or steel are sold separately.

SPECIFICATIONS:

For Use With 1/2" or 3/4" (12 or 19 mm) Monolithic Tempered Glass.
Also for use with 9/16" or 27/32" (13.52 or 21.52 mm) Laminated Tempered Glass using DuPont™ SentryGlas® Interlayers
(Do not use with raw or annealed glass)

Glass Fabrication:

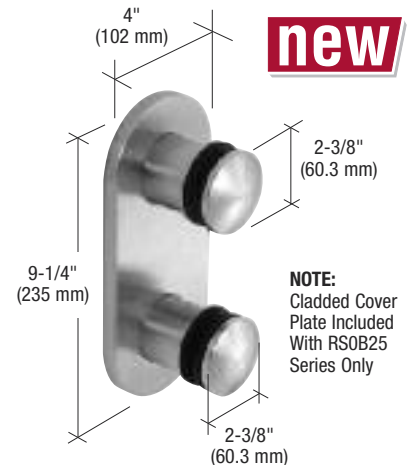
Two 3/4" (19 mm) Diameter Holes Per Fitting



STANDARD 2" (51 MM) DIAMETER CAPS

CAT. NO.	FINISH
RS0B20BS	Brushed Stainless
RS0B20PS	Polished Stainless

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



NOTE:
Cladded Cover Plate Included With RS0B25 Series Only

DOMES 2-3/8" (60.3 MM) DIAMETER CAPS

CAT. NO.	FINISH
RS0B25BS	Brushed Stainless
RS0B25PS	Polished Stainless

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

CRL GLASS RAIL 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 DuPont™ SentryGlas® Interlayers
- Brushed or Polished 316 Grade Stainless Finishes Available
- Designed for Steel, Wood, and Concrete Substrates
- Choice of Standard or Dome Caps

These heavy-duty Railing Standoffs are designed for glass Handrail or Guard Rail applications standard. The standoff fittings have a 1-3/4" (44 mm) standard projection from the installed attachment point. Custom lengths and diameters are also available. They come with a 3/8"-16 x 2" (51 mm) Allen Stud for mounting to steel, along with necessary rubber washers and grommet. Other attachment anchors are also available, see page SC33.

SPECIFICATIONS:

For Use With 1/2" or 3/4" (12 or 19 mm) Monolithic Tempered Glass.
Also for use with 9/16" and 27/32" (13.52 or 21.52 mm) Laminated Tempered Glass using DuPont™ SentryGlas® Interlayers
(Do not use with raw or annealed glass)

Glass Fabrication:

One 3/4" (19 mm) Diameter Hole Per Fitting



new



Standard



Dome

STANDARD 2" (51 MM) DIAMETER

CAT. NO.	FINISH
RS0B2134BS	Brushed Stainless
RS0B2134PS	Polished Stainless

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

DOMES 2-3/8" (60.3 MM) DIAMETER

CAT. NO.	FINISH
RS0B2135BS	Brushed Stainless
RS0B2135PS	Polished Stainless

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

Full engineering data available at crlaurence.com

crlaurence.com

CRL C.R. LAURENCE COMPANY

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CRL SRS STANDOFF RAILING SYSTEM

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at the Phone Numbers Shown on the Back Cover

CRL 4" ADJUSTABLE STRAP WRENCH



Our Adjustable Strap Wrench is the perfect tool for anyone installing Standoff Bases or polished threaded tubing. The 7/16" (11 mm) wide x 1/8" (3 mm) thick rubber strap quickly and efficiently tightens any plated cylinder without damaging the finish. The strap is easily adjustable from 3/4" (19 mm) to 4" (102 mm) diameter using a conveniently located thumb lever in the handle. Minimum order is one each.



CAT. NO. ASW12

CRL STANDOFF WRENCH FOR CRL'S GLASS RAIL STANDOFF FITTINGS



The Standoff 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.	DESCRIPTION
SSW12	Standoff Wrench

Minimum order: 1 each.

CRL REPLACEMENT GASKET SETS FOR RSOB SERIES STANDOFF FITTINGS

Each Gasket Set Includes:

- 1 Each Grommet
- 2 Each Black Neoprene Gaskets



Replacement Gaskets are designed for use with CRL's RSOB Series Standoffs Fittings. See page SC31 for standoff components.

CAT. NO.	WORKS WITH
RSOBRG1	RSOB20, RSOB2134
RSOBRG2	RSOB25, RSOB2135

Minimum order: 1 each.

CRL REPLACEMENT STANDOFF CAPS FOR RSOB SERIES STANDOFF FITTINGS

Each Cap Assembly Includes:

- 1 Each Cap
- 1 Each 3/8"-16 Allen Screw
- 1 Each Grommet
- 2 Each Black Neoprene Gaskets

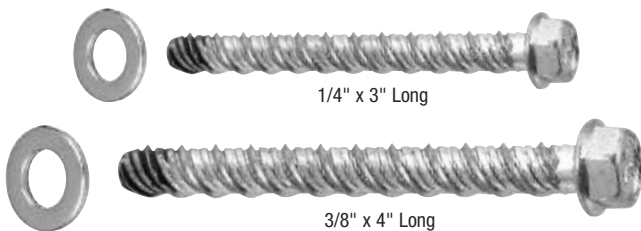
Replacement Caps are designed for use with CRL's RSOB Series Standoffs Fittings. See page SC31 for standoff components.



CAT. NO.	FINISH	DESCRIPTION
RCAP2BS	Brushed Stainless	Flat Cap for RSOB20BS/RSOB2134BS
RCAP2PS	Polished Stainless	Flat Cap for RSOB20PS/RSOB2134PS
RCAP3BS	Brushed Stainless	Dome Cap for RSOB25BS/RSOB2135BS
RCAP3PS	Polished Stainless	Dome Cap for RSOB25PS/RSOB2135PS

Minimum order: 1 each.

CRL CONCRETE SCREW ANCHORS



- Zinc Coated High Carbon Steel
- Great for Railing and Windscreen Applications

CAT. NO.	DESCRIPTION	QTY/BOX
WBA14X3	1/4" x 3" (6.3 x 76.2 mm) Concrete Screw Anchor	50
WBAW14*	1/4" Washer for WBA14X3 Screw	50
WBA38X4	3/8" x 4" (9.5 x 101.6 mm) Concrete Screw Anchor	50
WBAW38*	3/8" Washer for WBA38X4 Screw	50

Minimum order is 50 each. Must be ordered in increments of 50. *Washers must be used with Concrete Screw Anchors to achieve the required attachment strength.

CRL S.D.S. MASONRY DRILLS

- Works in Both Regular and Impact Drills



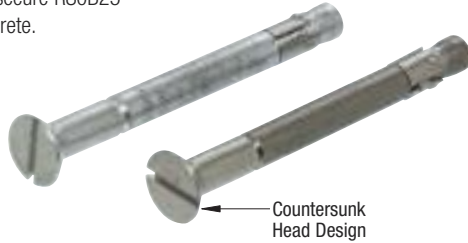
S.D.S. Masonry Drills are made to the ANSI Specifications required for the proper performance of concrete anchors. Life expectancy: 100-500 holes, depending on substrate and drill used. They work in both regular and impact drills, and can be used in a number of masonry materials.

CAT. NO.	DIAMETER	LENGTH
SDSW12	.495" (12.6 mm)	12" (305 mm)
SDSW38	.389" (9.9 mm)	12" (305 mm)
SDSW14	.259" (6.6 mm)	8" (203 mm)

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

CRL STANDOFF RAILING ATTACHMENT ACCESSORIES

Hilti® Kwik Bolt 3 are expansion anchors used to secure RS0B25 Standoffs to concrete.



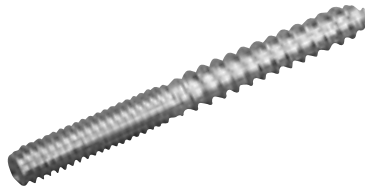
Countersunk Head Design

KWIK BOLT 3

CAT. NO.	FINISH	SIZE
EBA336	18-8 Stainless	3/8" x 4" (102 mm)
EBA337	Carbon Steel	3/8" x 4" (102 mm)

Minimum order: 1 each.

Hanger Bolts are available in 304 stainless and can be used in wood substrates.



HANGER BOLTS

CAT. NO.	FINISH	SIZE
HB38112S	304 Stainless	3/8"-16 x 1-1/2" (38.1 mm)
HB38212S	304 Stainless	3/8"-16 x 2-1/2" (63.5 mm)

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

Hex and Nylock Hex Nuts are used with Allen Screws or Threaded Rod for securing 1-1/2" (38 mm) diameter Standoffs.



Hex Nut



Nylock Hex Nut

HEX AND NYLOCK HEX NUTS

CAT. NO.	FINISH	TYPE	SIZE
HN3816S	304 Stainless	Hex	3/8"-16
NLN3816S	304 Stainless	Nylock	3/8"-16

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

Flat and Lock Washers are used when attaching Standoffs to panels or substrates.



Flat Washer



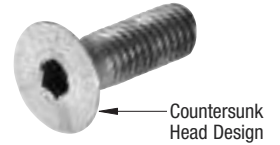
Lock Washer

FLAT AND LOCK WASHERS

CAT. NO.	FINISH	TYPE	SIZE
FW38S	304 Stainless	Flat	3/8"-16
LW38S	304 Stainless	Lock	3/8"-16

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

Socket Flat Head Cap Screws are used to secure RS0B25 Standoffs to a steel substrate.



Countersunk Head Design

SOCKET FLAT HEAD CAP SCREWS

CAT. NO.	FINISH	SIZE
SHCSF3816X1	18-8 Stainless	3/8"-16 x 1" (25.4 mm)

Minimum order: 10 each.

Socket Head Cap Screws are used to secure RS0B20 Standoffs to a steel substrate with a minimum of 3/8" (9.5 mm) of thread engagement.

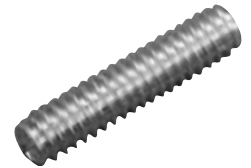


SOCKET HEAD CAP SCREWS

CAT. NO.	FINISH	SIZE
SHCS38X34	304 Stainless	3/8"-16 x 3/4" (19 mm)
SHCS38X112	304 Stainless	3/8"-16 x 1-1/2" (38.1 mm)

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

Stainless Steel Allen Screws are available in incremental lengths from 1" (25.4 mm) to 2" (51 mm) for 1-1/2" (38 mm) diameter Standoffs.



ALLEN SCREWS

CAT. NO.	FINISH	SIZE
AS381	304 Stainless	3/8"-16 x 1" (25.4 mm)
AS38114	304 Stainless	3/8"-16 x 1-1/4" (31.7 mm)
AS38112	304 Stainless	3/8"-16 x 1-1/2" (38.1 mm)
AS38134	304 Stainless	3/8"-16 x 1-3/4" (44.4 mm)
AS382	304 Stainless	3/8"-16 x 2" (50.8 mm)

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

Full 36" (914 mm) lengths of stainless Threaded Rod will permit you to cut Rod to desired length.



THREADED RODS

CAT. NO.	FINISH	SIZE
TR3816X36S	304 Stainless	3/8"-16 x 36" (914 mm)

Minimum order: 1 each.

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.



Acorn Nut

ACORN NUTS

CAT. NO.	FINISH	SIZE
ACN3816S	304 Stainless	3/8"-16

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



Cable Display Systems provide some of the most versatile, durable, and best looking methods for decoration and interior design. Used in retail, commercial, and residential applications, CRL Cable Display Systems have limitless capabilities and functions.

CRL has Cable Display Systems for 1/4", 3/8", and 1/2" (6, 10, and 12 mm) thick glass. The most popular and basic installations for Cable Display Systems are from floor to ceiling, but they can also be used as shelving systems inside showcases and cabinets. Cable Display Systems are also available for ceiling-to-wall, wall-to-wall, and wall-to-floor applications.

The following pages will provide you with photographs of installations and parts to properly install your Cable Display System. Our Technical Sales team can also assist you in the selection of the right system for your project. Contact Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7720. You can also e-mail us through our web site at crlaurence.com. From the home page click on Contact Us, and then click on Technical Sales for Glass and Glazing Products.

CRL CABLE DISPLAY SYSTEM FOR 1/4" TO 3/8" (6 TO 10 MM) GLASS



- Easy to Install and Adjust
- High Quality Components
- Works With 1/4" to 3/8" (6 to 10 mm) Materials

CRL's Cable Display System and components for 1/4" to 3/8" (6 to 10 mm) glass offers all the options you will need for ceiling-to-floor suspension, shelving installations, hanging vertical panels, signage or retail displays. This versatile system is easily installed and adjusted. These CRL Display Systems represent cable technology in its finest form.

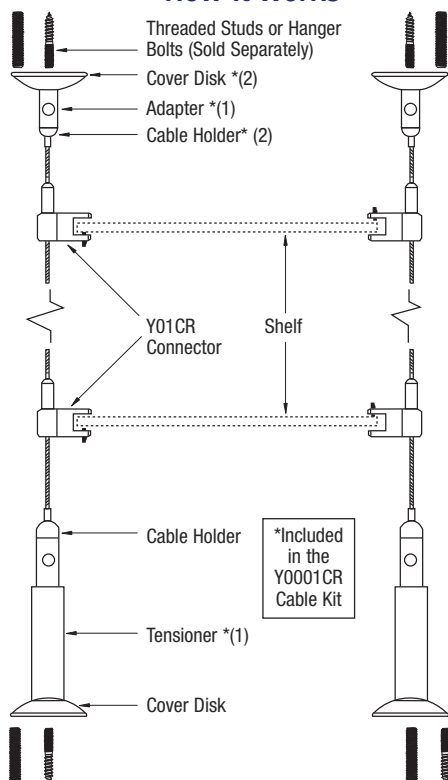
The elegantly designed components are fabricated from brass then are nickel plated, which provides compatibility with other fixtures or amenities in the office, home or retail environment.

CRL CEILING-TO-FLOOR CABLE KIT

- Shelving Cable System That Can Be Quickly and Easily Installed and Reconfigured
- Stainless Steel Cable and Nickel Plated Components

Contains all of the basic Cable components between the ceiling and floor or base: One 20 foot (6.1 m) length of Cable, one Tensioner, one Adapter, two Cable Holders, and two Cover Disks. Hanger Bolts or Threaded Studs for ceiling or floor attachment must be ordered separately (see page SC37). Shelf Connectors must also be ordered separately (see page SC36). Minimum order is one each.

How It Works



Ceiling-to-Floor Cable Installation

Weight Capacity: Four cables, securely and properly anchored to ceiling beams or studs have a maximum weight capacity of 300 pounds (136 kg). Each Single Connector is rated at 20 pounds (9 kg), Double Connectors are rated at 10 pounds (4.5 kg). Due to the diverse variety of applications, weight limitations for the Cable Display Systems are dependent upon ceiling, wall or substrate anchoring.

CAT. NO. Y0001CR CABLE KIT CONTAINS:



Minimum order: 1 each. All Cable Display System Components can be combined for quantity pricing.

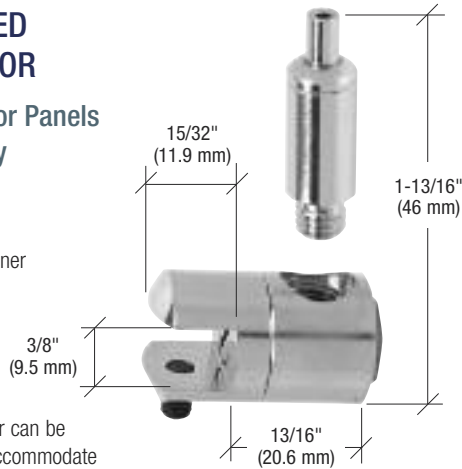
CRL CABLE DISPLAY SYSTEMS

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

CRL SINGLE-SIDED SHELF CONNECTOR

- Position Shelves or Panels Either Horizontally or Vertically

The CRL Single-Sided Shelf Connector with Tensioner is designed for a maximum glass thickness of 3/8" (10 mm), and is used in single shelf or panel installations. The Connector can be rotated to any position to accommodate vertical panels and signage or "tilted" displays. Each Single-Sided Connector has a maximum weight capacity of 20 pounds (9 kg).

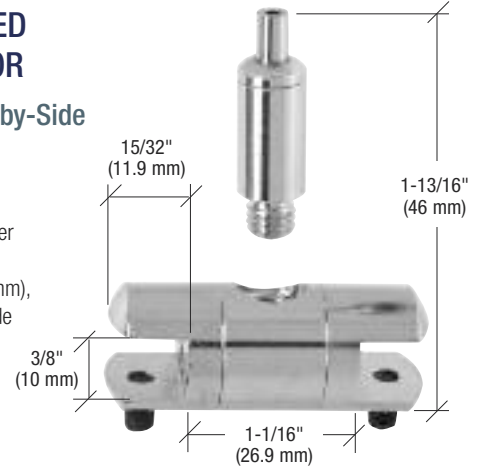


CAT. NO. Y01CR

CRL DOUBLE-SIDED SHELF CONNECTOR

- Designed for Side-by-Side Shelf Installations

CRL's Double-Sided Shelf Connector with Tensioner is designed for a maximum glass thickness of 3/8" (10 mm), and is used when side-by-side shelves are required. These Connectors are installed on the "inside" cables. Screws are included with the Single-Sided and Double-Sided Connectors to accommodate both 1/4" and 3/8" (6 and 10 mm) panels. Each Double-Sided Connector has a maximum weight capacity of 10 pounds (4.5 kg).

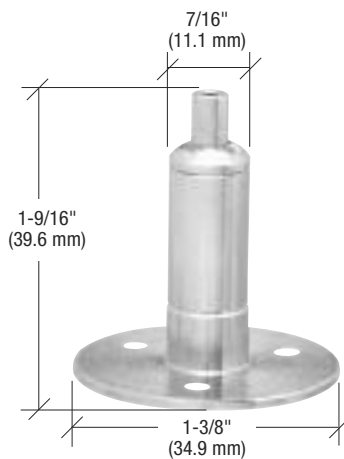


CAT. NO. Y02CR

CRL DRILL-THRU SHELF SUPPORT

- Ideal for Glass or Wood Shelves

The CRL Drill-Thru Shelf Support with Tensioner is designed to be used for 3/8" (10 mm) Glass, and is used in single shelf installations. The Support requires a 1/2" (12.7 mm) drilled hole in the shelf. This Support can also be used with wood shelves using the three holes in the support disk to secure the shelf with wood screws (not included). Each Drill-Thru Shelf Support has a maximum weight capacity of 20 pounds (9 kg).

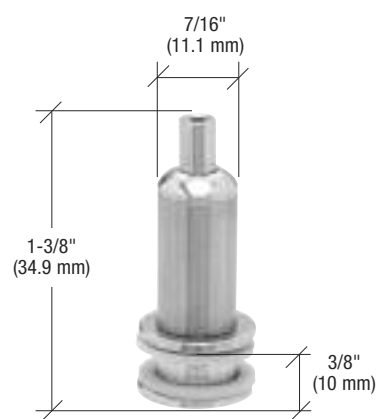


CAT. NO. Y03CR

CRL THRU-GLASS SHELF HOLDER

- Attaches Securely to 3/8" (10 mm) Thick Shelves

CRL's Thru-Glass Shelf Holder is similar to the Drill-Thru Shelf Support in function, however the installation provides an extremely low profile appearance. Designed for 3/8" (10 mm) glass shelving, the Thru-Glass Shelf Holder requires a 7/16" (11 mm) hole in the glass. Each Shelf Holder has a maximum weight capacity of 20 pounds (9 kg).



CAT. NO. Y05CR

CRL ACRYLIC PORTRAIT ENVELOPE **new**

- Display Advertisements or Photos
- Quickly Change Photos Without Removing Envelope from Cables
- Install Onto Cables Using Cat. No. Y01CR Connector



CRL's new Acrylic Portrait Envelope is a convenient and efficient way to display 8-1/2" wide x 11" high (216 x 279 mm) advertisements, notices, menus, or photos using CRL's Y0001CR Ceiling-to-Floor Cable Kit or our Y0002CR Wall-to-Wall Cable Kit. Material displayed in the Envelopes can be quickly changed while still connected to the cables. The Envelopes can also be easily moved up or down on the cables by depressing the tip on the Connector Tensioner.

CAT. NO. CE811

CRL ACRYLIC LANDSCAPE ENVELOPE **new**

- Perfect for Signage or Advertisements
- Used With CRL Y0001CR and Y0002CR Cable Display Kits



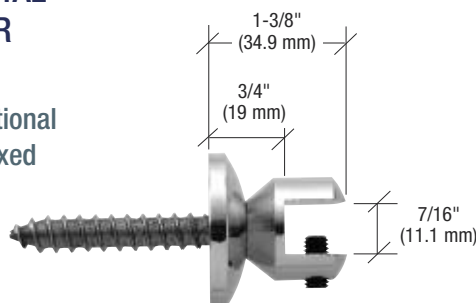
CRL's new Acrylic Landscape Envelope is a great way to display product brochures or advertisements. Perfect for installation in store windows, the 11" wide x 8-1/2" high (279 x 216 mm) Landscape Envelopes are ideal for retail specials or daily ad sheets. Easy access to the back of the Envelope permits material to be quickly changed without being removed from cables.

CAT. NO. CE118

Minimum order: 1 each. All Cable Display System Components can be combined for quantity pricing.

CRL HORIZONTAL WALL ANCHOR

- Provides Additional Support for Fixed Shelves

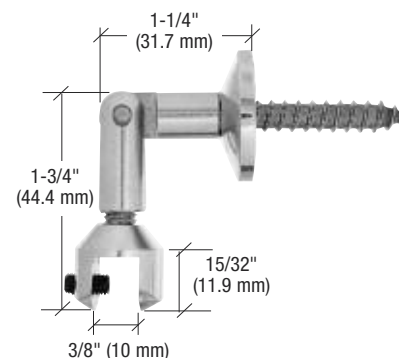


CRL's Horizontal Wall Anchors are designed to attach and support Cable Display System shelves to a wall or substrate. When Cable System shelving units are designed to have Cables supporting only the front edges of the shelves, the Horizontal Wall Anchor is the ideal component to secure and support the glass shelf against the wall. These matching components should be installed into wall studs for maximum support. The Wall Anchor has a weight capacity of 20 pounds (9 kg). Each package contains one Support, one Cover Disk, and one Dual Threaded Screw.

CAT. NO. Y06CR

CRL VERTICAL WALL PANEL HANGER

- Perfect for Signage or Lightweight Panels

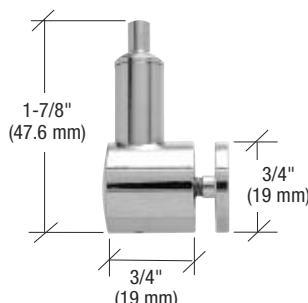


CRL's Vertical Wall Panel Hangers are designed for lightweight 1/4" to 3/8" (6 to 10 mm) signs or panels. Easily installed to vertical walls or substrates, the Panel Hangers can be used individually or in pairs to attractively hang signage, office nameplates or decorative panels. The Panel Hanger has a maximum weight capacity of 20 pounds (9 kg). Each package contains one Support, one Elbow, one Cover Disk, and one Dual Threaded Screw.

CAT. NO. Y07CR

CRL VERTICAL PANEL CONNECTOR

- Hang Vertical Panels Safely and Securely
- Requires Drilled Hole in Glass or Panel

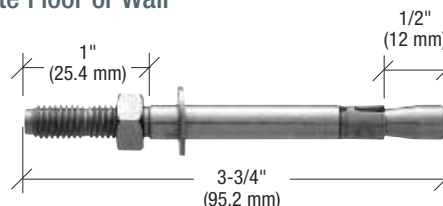


CRL's Vertical Panel Connectors are the ideal product for hanging 1/4" to 3/8" (6 to 10 mm) mirrors or glass panels in an environment where clamping on the edges of the glass is not the most secure method. The Panel Connectors are also the choice when Cables are designed to be installed behind the panel. Glass or panel fabrication requires a minimum 1/4" (6 mm) diameter hole, and can require a 3/8" (10 mm) diameter hole for 3/8" (10 mm) thick tempered glass. Each Panel Connector has a maximum weight capacity of 20 pounds (9 kg) for 1/4" to 5/16" (6 to 8 mm) panels, and 10 pounds (4.5 kg) for 3/8" (10 mm) panels.

CAT. NO. Y04CR

CRL CONCRETE ANCHOR FOR 3/8" CABLE SYSTEM

- Attach Cable Components to Concrete Floor or Wall

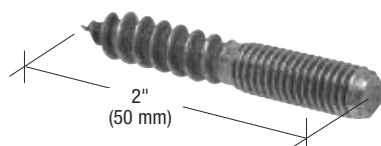


When it becomes necessary to install the CRL 3/8" (10 mm) Cable Display System into a concrete floor or wall, the Concrete Anchor is designed with an M8 thread which will attach to the Cable System Base Fitting. The Concrete Anchor can be easily installed by drilling a 5/16" (7.9 mm) diameter hole 2" (50.8 mm) deep into the concrete. Tapping the top of the Anchor with a hammer will result in securely fastening the Anchor into the concrete.

CAT. NO. Y38CA

CRL DUAL THREADED SCREW

- Used for Cable Installation into Wood or Laminate

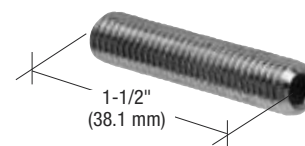


The CRL M8 x 50 mm Dual Threaded Screw is used when installing the Cable Display System into a wood or laminate base or ceiling support. The threaded portion of the screw is attached to the Cover Disk and Adapter.

CAT. NO. Y0010

CRL THREADED STUD

- Used for Cable Installation into Metal



The CRL M8 x 40 mm Threaded Stud is used when installing the Cable Display System into metal at the ceiling or base. Half of the Stud is threaded into the ceiling or floor metal support, the other half is attached to the Cover Disk and Adapter.

CAT. NO. Y0020

Minimum order: 1 each. All Cable Display System Components can be combined for quantity pricing.

CRL CABLE DISPLAY SYSTEMS FOR 3/8" TO 1/2" (10 TO 12 MM) GLASS

- An Ideal System for 1/2" (12 mm) Shelving
- High Quality in Appearance and Material



new

CRL's Cable Display System for 1/2" (12 mm) glass is also the ideal system for use with large size 3/8" (10 mm) shelving installations that are too heavy for CRL's Cable Display System for 3/8" Glass. The 4 mm stainless steel cable and stainless steel components are innovative both in design and technology. This system is extremely versatile and can easily be installed for shelving or for hanging vertical panels. Select from a variety of connectors and components, each one unique and functional. For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., or (877) 421-6144 from Canada, and ask for Ext. 7720. You can also e-mail us through our web site at crlaurence.com. From the home page click on Contact Us, and then click on Technical Sales for Glass and Glazing Products.

CRL CABLE DISPLAY KIT FOR 3/8" TO 1/2" (10 TO 12 MM) GLASS

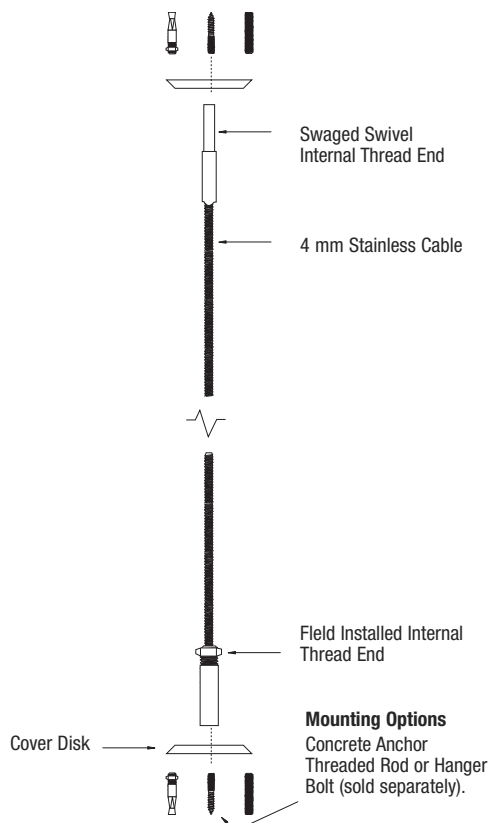
- Designed for Heavy Glass Shelves
- Horizontal and Vertical Applications

CRL's Cable Display Kit for 3/8" to 1/2" (10 to 12 mm) glass is fabricated from high quality 316 stainless steel. Used either indoors or outdoors, this system offers all the necessary components for any project design. The Kit contains: One 15 foot (4.5 m) length of Stainless Steel Cable with Top Swivel Fitting, one Bottom Anchor, and two Cover Disks. Shelf Connectors and attachment hardware must be purchased separately (see page SC39). Minimum order is one each.



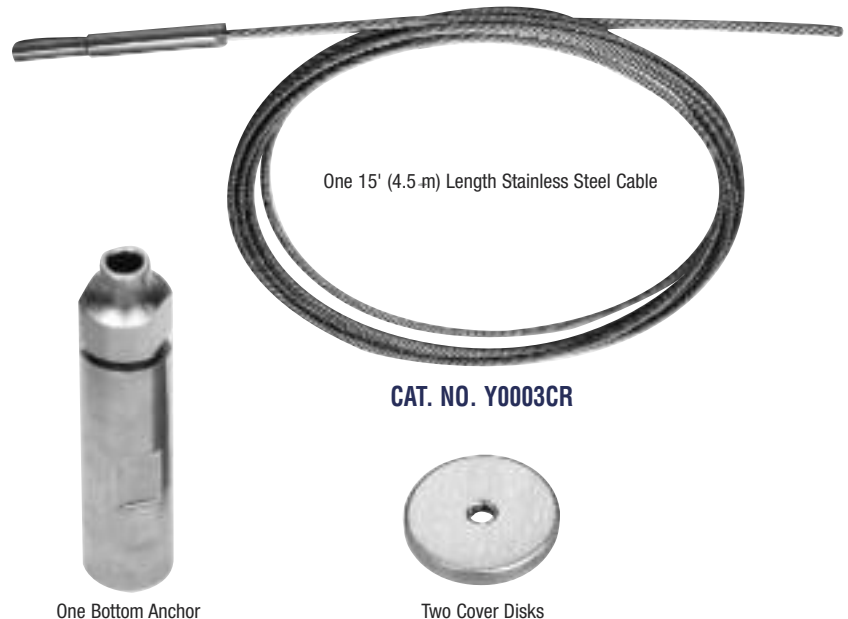
Ceiling-to-Floor Cable Installation

How It Works



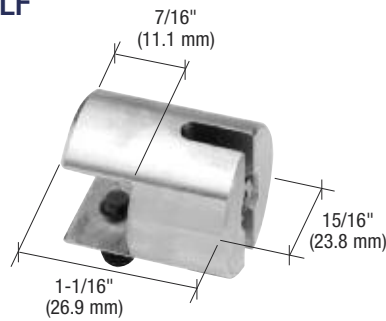
Weight Capacity: Each Cable is rated at 1600 pounds (725 kg), and each Connector has a maximum weight capacity of 35 pounds (16 kg). Due to the diverse variety of applications, weight limitations for the Cable Display Systems are dependent upon ceiling, wall or substrate anchoring.

CAT. NO. Y0003CR CABLE KIT CONTAINS:



CRL HORIZONTAL SHELF CONNECTOR

- Easily Adjust Shelf Height

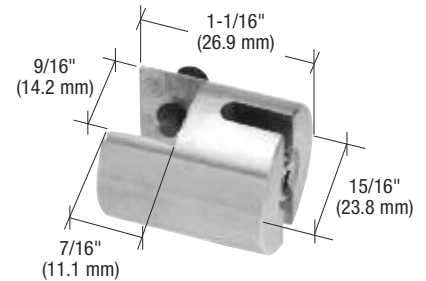


Designed for 1/2" (12 mm) glass single shelf installations, this Stainless Steel Connector can be securely positioned on the 4 mm Cable by tightening the set screw against the Cable. A nylon tipped screw holds the glass firmly in place. The weight capacity for the Horizontal Connector is 35 pounds (16 kg). Minimum order is one each.

CAT. NO. Y031CR

CRL VERTICAL PANEL CONNECTOR

- Display Panel in Vertical Position



These Connectors are constructed of 316 stainless steel and designed to hold 3/8" to 1/2" (10 to 12 mm) panels in a vertical position. The Connectors clamp onto the sides of the panel, and are held in place with nylon tipped set screws. The weight capacity for the Vertical Connector is 35 pounds (16 kg). Minimum order is one each.

CAT. NO. Y032CR

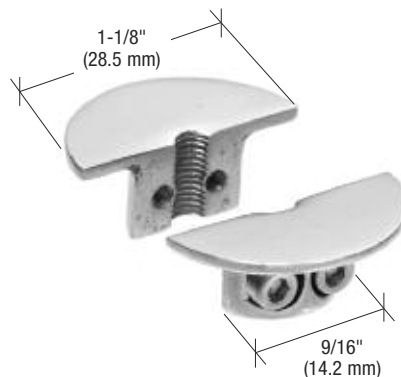
CRL DRILL-THRU SHELF SUPPORT

- Provides "Frameless" Look



Trim Ring

CAT. NO. Y033TR

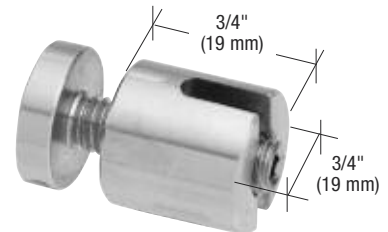


CRL's Drill-Thru Shelf Support for 1/2" (12 mm) glass shelves is a two-part Stainless Steel Clamp that is attached to the Cable with two socket head screws. The Drill-Thru Support requires a 1/2" (12 mm) diameter hole for the cable. The weight capacity for each Drill-Thru Shelf Support is 175 pounds (79 kg). Minimum order is one each.

CAT. NO. Y033CR

CRL DRILL-THRU CONNECTOR FOR VERTICAL PANELS

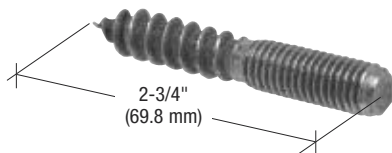
- Hang Vertical Panels Safely and Securely



CRL's Drill-Thru Connectors are the ideal product for hanging 3/8" to 1/2" (10 to 12 mm) glass panels in a high moisture environment where clamping onto the edges of the glass is not the most secure method. The Connector package contains one cap for 3/8" and 1/2" panels. Drilling 1/2" (12 mm) holes in the glass is required. The weight capacity for each Drill-Thru Connector is 35 pounds (16 kg). Minimum order is one each.

CAT. NO. Y034CR

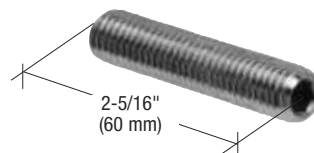
CRL DUAL THREADED SCREW



Used when installing the 1/2" (12 mm) Cable Kit into wood at the ceiling or floor. Half the screw is M6 thread and half is wood thread. The M6 thread portion is connected through the Cover Disks to the cable end fittings. Minimum order is one each.

CAT. NO. Y0310

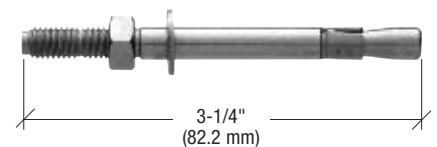
CRL THREADED STUD



Used when installing a 1/2" (12 mm) Cable Kit to metal. The overall length of the Stud is 60 mm. The thread size is M6. Half of the Stud is threaded into the metal ceiling or floor metal support, and the other half connected through the Cover Disks to the cable end fittings. Minimum order is one each.

CAT. NO. Y0320

CRL CONCRETE ANCHOR



When it becomes necessary to install the 1/2" (12 mm) Cable Display System into concrete, the Concrete Anchor has an M6 threaded end which attaches through the Cover Disk into the cable end fittings. The Concrete Anchor can be installed by drilling a 1/4" (6 mm) diameter hole 2" (51 mm) deep into the concrete. Tapping the top of the Anchor with a hammer will securely fasten the Anchor into the concrete. Minimum order is one each.

CAT. NO. Y12CA

CRL CABLE DISPLAY SYSTEMS

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

CRL WALL-TO-WALL VERTICAL CABLE DISPLAY SYSTEM

- Elegantly Display Artwork or Signage
- Easily Installed and Adjusted

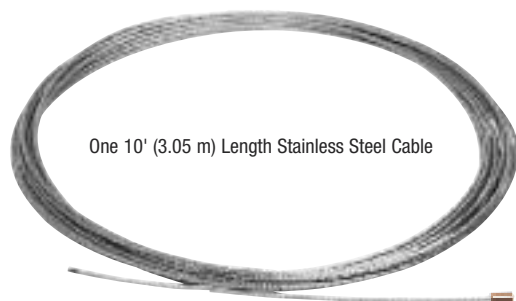
CRL's Wall-to-Wall Vertical Cable Display System for 3/8" (10 mm) glass is designed to display signage, artwork or decorative panels. This Cable Display System is easily installed and adjusted. It is ideal for use in the office, home or retail environment. The components are fabricated from brass and are nickel plated. Two Wall-to-Wall Kits are required for mounting panels.

Weight Capacity: Each Wall-to-Wall Cable Display System, securely and properly anchored to wall studs or substrates, have a maximum weight capacity of 50 lbs. (22.7 kg).



CAT. NO. Y0002CR CABLE KIT CONTAINS:

One 10' (3.05 m) length of 1.5 mm Cable, two Hanger Bolts, two Cover Disks, two Elbow Holders, two Cable Tensioners, one Comfort Tensioner, one Threaded Stud. Y01CR and Y02CR Connectors (see page SC36) are not included. Minimum order is one each.



One 10' (3.05 m) Length Stainless Steel Cable

CAT. NO. Y0002CR



Two Cable Tensioners



Two Elbow Holders



One Threader Stud



Two Wood Anchors

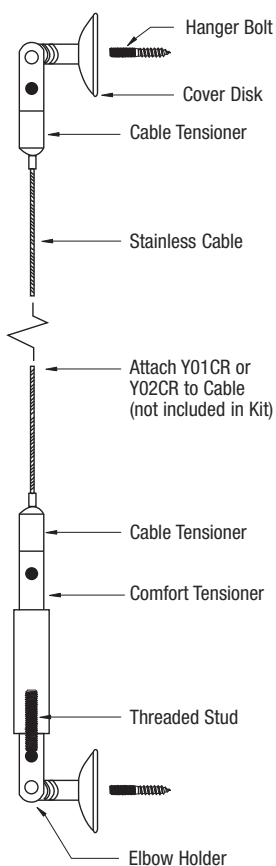


One Comfort Tensioner



Two Cover Disks

How It Works



Wall-to-Wall Cable Installation



CAT. NO. Y01CR
CRL Single-Sided
Shelf Connector



CAT. NO. Y02CR
CRL Double-Sided
Shelf Connector

NOTE: Single or Double-Sided Connectors must be ordered separately (see page SC36).

Minimum order: 1 each. All Cable Display System Components can be combined for quantity pricing.

CRL ROD SYSTEM DISPLAY HARDWARE

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at the Phone Numbers Shown on the Back Cover

CRL WALL-TO-WALL ROD SYSTEM SHELF DISPLAY

- Adjustable Levels and Positions for Shelves
- Ideal for Office, Retail or Home
- Beautiful Finished Chrome Components



This easy-to-install CRL Wall-to-Wall Rod System Shelf Display will accommodate three shelves that can be mounted over an office desk or work station, utilized at home in the den, bedroom or kitchen, or as a perfect merchandiser for a retail store display.

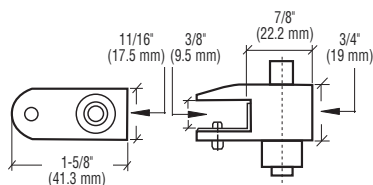
Using customer supplied 1/4" to 5/16" (6 to 8 mm) tempered glass shelves, these versatile, easy-to-install Glass Supports are completely adjustable to any vertical position on the 39" (1.0 m) Rods, and can be rotated 90 degrees so that longer shelves can extend beyond the Upper and Lower Bracket Supports (reference adjacent photo). The distance between the 14-1/4" (362 mm) long Bracket Supports should be spaced to allow for installation into wall studs, which will provide maximum support and stability. The Rod System Shelf Display has a maximum weight capacity of 120 pounds (54 kg). Minimum order quantity is one each.



CAT. NO. 4800CH

CRL ONE-WAY GLASS SUPPORT FOR INSTALLING EXTRA SHELVES

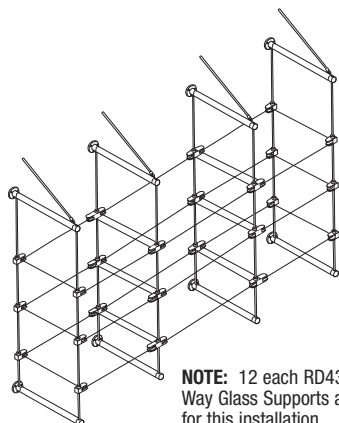
CRL's One-Way Glass Support can be used when additional shelves need to be added to the Cat. No. 4800CH Wall-to-Wall Rod System Shelf Display. Minimum order quantity is one each.



CAT. NO. RD4305CH

CRL TWO-WAY GLASS SUPPORT FOR SIDE-BY-SIDE SHELF INSTALLATIONS

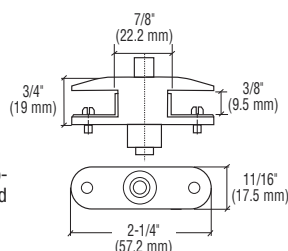
CRL's Wall-to-Wall Rod System Shelf Display is so versatile that two systems, can be installed side-by-side. CRL's Two-Way Glass Supports are required on the four middle rods to allow for connecting adjoining shelves. Minimum order quantity is one each.



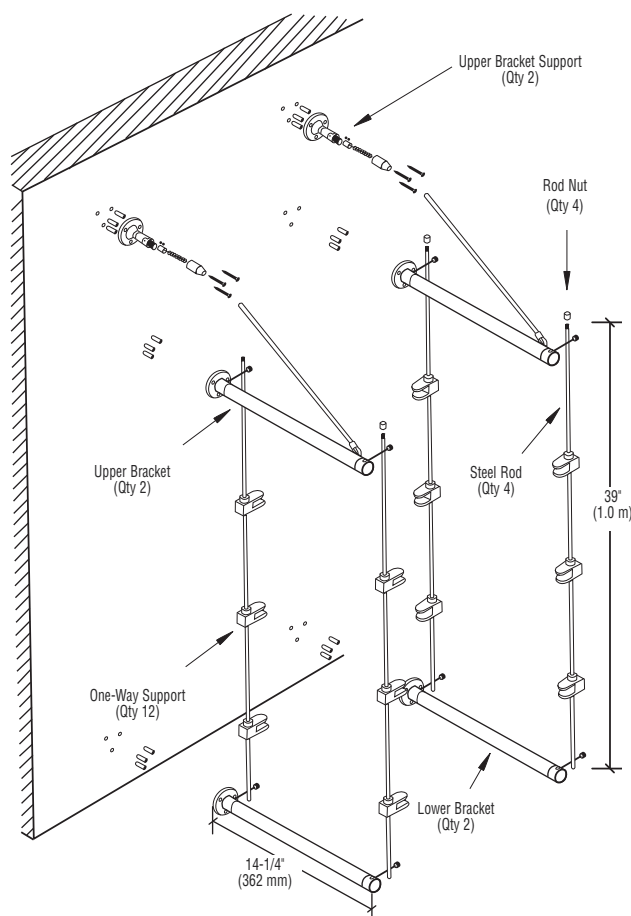
NOTE: 12 each RD4304CH Two-Way Glass Supports are required for this installation.



CAT. NO. RD4304CH



How It Works



Each Cat. No. 4800CH Wall-to-Wall Shelf System consists of: Two Upper Bracket Supports, Two Upper Brackets, Four Steel Rods, Twelve One-Way Supports, Four Rod Nuts, Two Lower Brackets, One Pack Containing Screws and Anchors.

CRL ROD SYSTEM DISPLAY FOR 3/8" GLASS



- Versatile Floor-to-Ceiling Display System
- Satin Chrome Components
- Works With 1/4" to 3/8" (6 to 10 mm) Materials

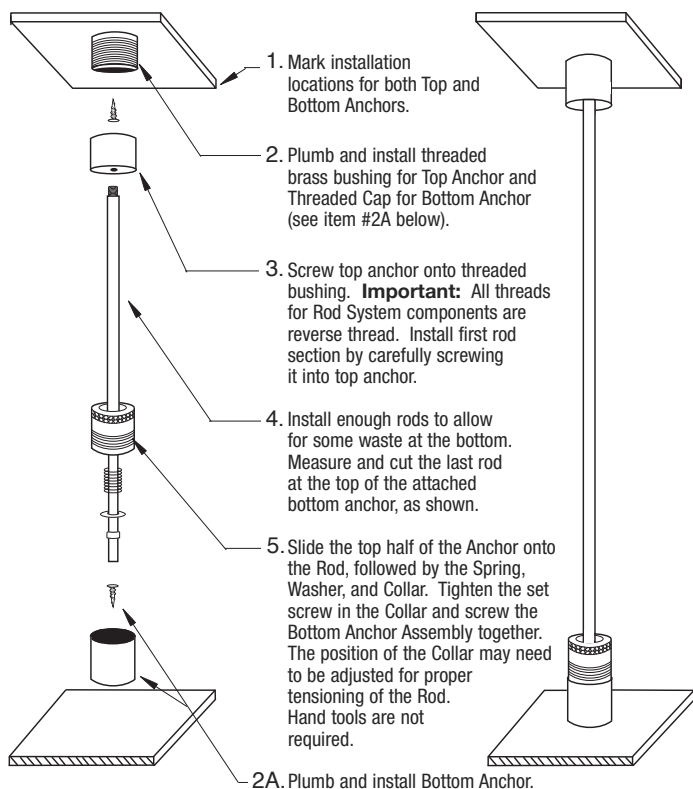
The Rod System Display is ideal for use in retail, commercial or residential applications. This easily installed system is stable when installed to ceiling and floor, and can be used as a shelving unit or for vertical panels. Rod Displays are also used to suspend shelving in display cases or cabinets.

CRL's Rod System Display is designed using satin chrome 6 mm Stainless Steel Rods and machined Brass Fittings. The Rods are available in three different lengths. Each Rod section has threaded internal and external ends which enable the Rods to screw together to achieve the designed length.

Weight Capacity: The maximum recommended load for each length of Rod, either individual or screwed together, is 150 pounds (68 kg). Each Rod Support or Connector will hold 25 pounds (11.3 kg).



How It Works



CRL 6 MM RODS

- Available in Three Lengths
- Satin Chrome Finish

CRL 6 mm Rods are designed to be used individually or together. Each Rod has threaded external and internal ends that screw together to achieve the desired length. The Rods can be cut to the exact height required, and are attached to the ceiling and floor or top and bottom of the showcase using CRL's Rod Anchor Set (see opposite page).



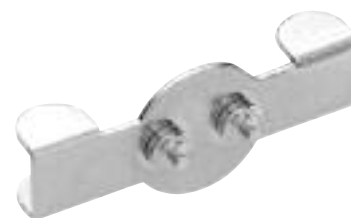
Thread Size: 4 mm .7 pitch

CAT. NO.	LENGTH
062050*	19-1/2" (.5 m)
062100	39" (1 m)
062150	59" (1.5 m)

Minimum order: 1 each. *062050 has an external thread at one end and a finished end at the other.

CRL BUTTERFLY WRENCH

Use the convenient Butterfly Wrench for making height adjustments on the Rod for Cat. No. 061912S Vertical Supports. The two protrusions in the wrench fit perfectly into the back of both Rod System Fittings, which makes tightening and loosening an easy process. Minimum order is one each.



CAT. NO. 061W

CRL ROD SYSTEM DISPLAY HARDWARE

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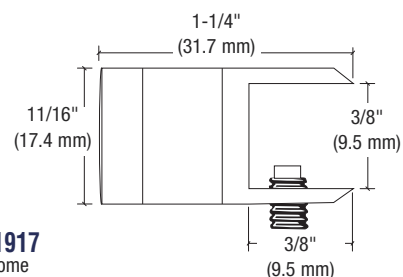
CRL ROD SYSTEM SINGLE CONNECTOR

- Allows Shelves to Be Easily Repositioned
- Can Be Used Horizontally or Vertically

This satin chrome Single Connector is used in single shelf applications. The Connector can be rotated to any angle desired and locked into place with a set screw. The Connector is secured to the Rod using the Cat. No. 061W Butterfly Wrench, and has a maximum weight capacity of 25 pounds (11.3 kg). Minimum order is one each.



CAT. NO. 061917
Finish: Satin Chrome



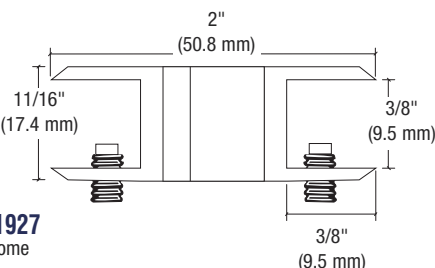
CRL ROD SYSTEM DOUBLE CONNECTOR

- Shelves Can Be Easily Repositioned and Rotated for Horizontal or Vertical Applications

The Double Connector is designed to be used in side-by-side designs. Each side can be independently rotated to the desired angle and locked into place with a set screw. The Double Connector has a maximum weight capacity of 25 pounds (11.3 kg). Minimum order is one each.



CAT. NO. 061927
Finish: Satin Chrome



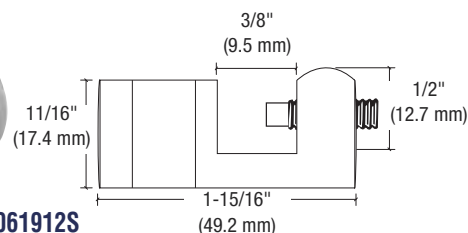
CRL ROD SYSTEM VERTICAL SUPPORT

- Designed to Hold Vertical Panels

The Vertical Support is the ideal connector for displaying 1/4" to 3/8" (6 to 10 mm) vertical panels. The Support is located to the desired height on the Rod and secured in place using the Cat. No. 061W Butterfly Wrench. The maximum weight capacity is 25 pounds (11.3 kg). CRL's Cat. No. 071963 Cover Cap is available to provide a finished appearance (see below). Minimum order is one each.



CAT. NO. 061912S
Finish: Satin Chrome



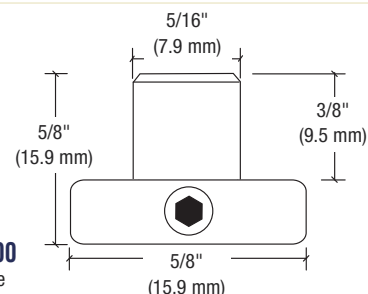
CRL ROD SYSTEM DRILL-THRU SUPPORT

- Supports Drilled Shelves

CRL's satin chrome Drill-Thru Support is designed to hold shelves in a horizontal fixed position and is used in single shelf applications. The Drill-Thru Support requires a 3/8" (10 mm) drilled hole in the glass, is easily adjusted to the desired height on the Rod, and then locked into place by tightening the set screw in the Support. The maximum recommended weight capacity is 25 pounds (11.3 kg). Minimum order is one each.



CAT. NO. 061000
Finish: Satin Chrome



CRL ROD ANCHOR SET

- Used With CRL 6 mm Rods

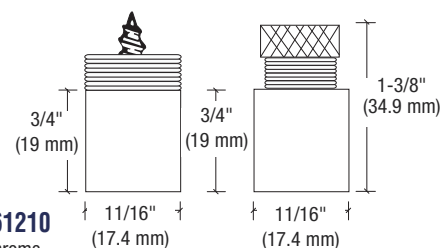
CRL's Rod Anchor Set consists of top and bottom fittings that attach to the Rod ends. The satin chrome Anchor Sets do not come with screws or fasteners to attach the Anchors to either the ceiling or floor. The top and bottom fittings have 3/16" (5 mm) diameter holes to accommodate your choice of screws or fasteners. Minimum order is one each.

Top Anchor



Bottom Anchor

CAT. NO. 061210
Finish: Satin Chrome



CRL COVER CAP FOR VERTICAL SUPPORT

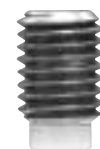
The Cover Cap is designed to be used with the Vertical Support Connector when it is important to provide a finished appearance. Minimum order is one each.



CAT. NO. 071963
Finish: Satin Chrome

CRL ROD SYSTEM SET SCREWS FOR 1/4" PANELS

Each of the Rod System Connectors come with screws to attach 3/8" (10 mm) panels. If 1/4" (6 mm) panels are intended for use with this system, these Set Screws are long enough to properly clamp the panel in the Connector. Minimum order is one each.

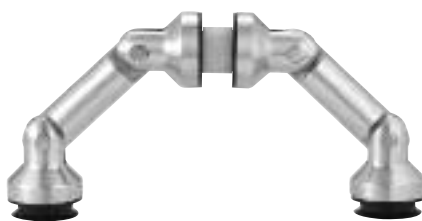


CAT. NO. 072317

TYPICAL APPLICATIONS FOR CRL SWIVEL FITTINGS



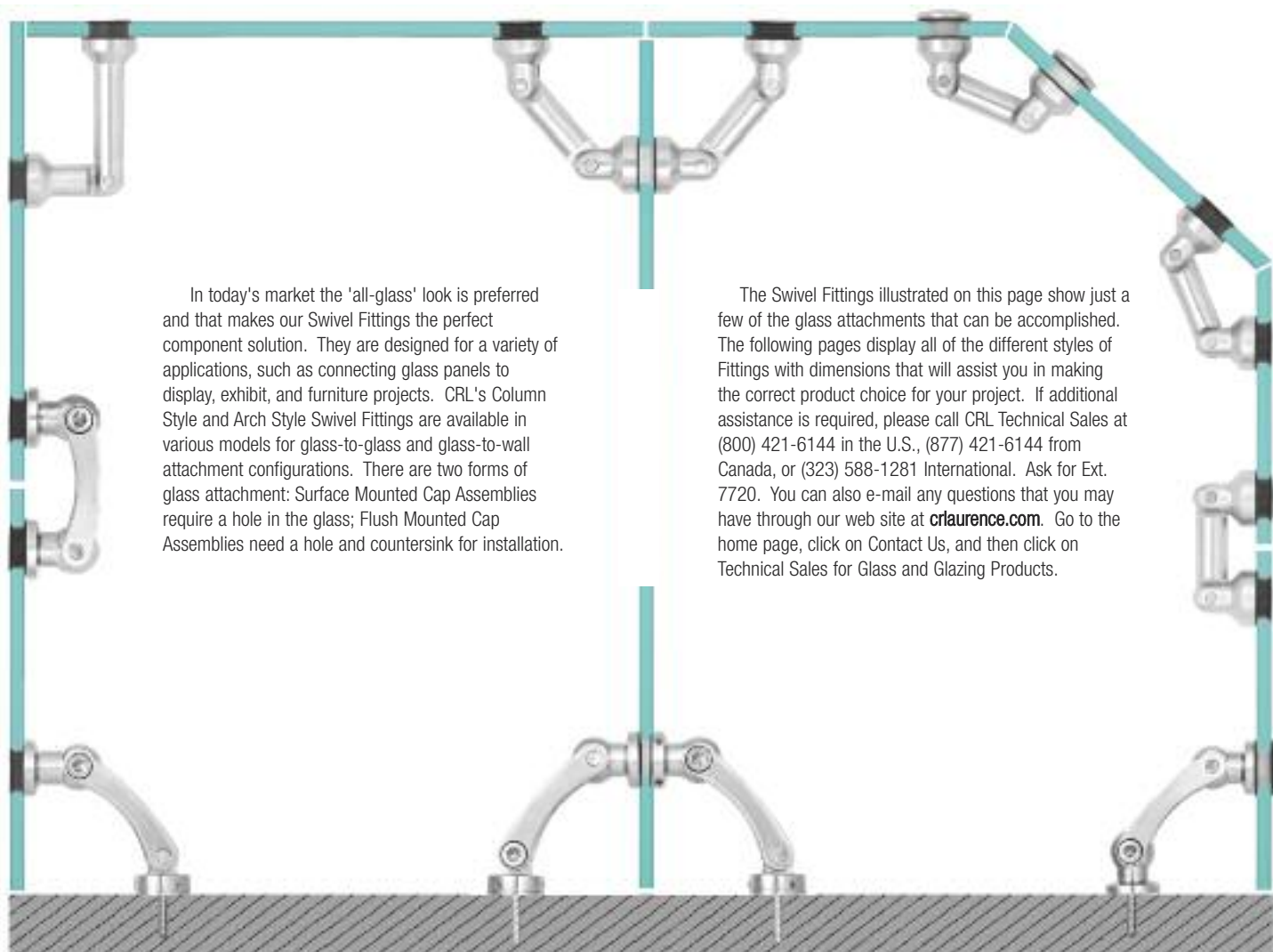
Column Series



Column Series



Column Series



In today's market the 'all-glass' look is preferred and that makes our Swivel Fittings the perfect component solution. They are designed for a variety of applications, such as connecting glass panels to display, exhibit, and furniture projects. CRL's Column Style and Arch Style Swivel Fittings are available in various models for glass-to-glass and glass-to-wall attachment configurations. There are two forms of glass attachment: Surface Mounted Cap Assemblies require a hole in the glass; Flush Mounted Cap Assemblies need a hole and countersink for installation.

The Swivel Fittings illustrated on this page show just a few of the glass attachments that can be accomplished. The following pages display all of the different styles of Fittings with dimensions that will assist you in making the correct product choice for your project. If additional assistance is required, please call CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7720. You can also e-mail any questions that you may have through our web site at crlaurence.com. Go to the home page, click on Contact Us, and then click on Technical Sales for Glass and Glazing Products.



Arch Series



Arch Series



Arch Series

CRL SWIVEL FITTINGS



Column Series
Swivel Fittings
See pages
SC46 to SC49



Arch Series Swivel Fittings
See page SC50



This display unit was
connected using our Column
Series Swivel Fittings and
our Round Standoffs

STYLES OF SWIVEL FITTINGS

- Column or Arch Style Fittings Available in Wall-to-Glass or Glass-to-Glass Models
- Brushed Stainless Finish
- Swivels to Fit Different Angles
- Choose Surface or Flush Mount Glass Fasteners (Sold Separately)

CRL has developed two new styles of Swivel Fittings. Our Column Style and Arch Style Fittings are used for wall or floor-to-glass applications, and glass-to-glass applications. Surface or Flush Glass Attachments are sold separately. This gives you a choice, depending on your needs. See below for more information.

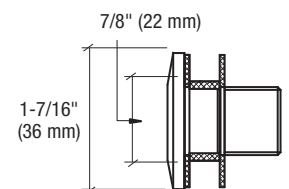
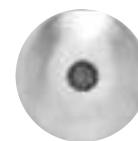
CRL CAP ATTACHMENT CHOICES

- Choose Surface or Flush Mount Glass Fasteners (Sold Separately)
- Fits Both Column and Arch Style Swivel Fittings
- Brushed Stainless Finish
- Glass Fabrication Required to Install
- Thread Pitch M18 x 1.0

CRL realized that, depending on the use of the Swivel Fitting, different glass attachments might be needed. Many times glass in the horizontal position is used as a counter top or shelf where a flush surface is desired. For this application use our Flush Style Attachment Caps. Other times flush surfaces are not needed, and a Surface Style Attachment Cap will suffice. Glass fabrication costs are reduced with the Surface Style Glass Attachment Cap because no countersinking is required. Minimum order is one each.



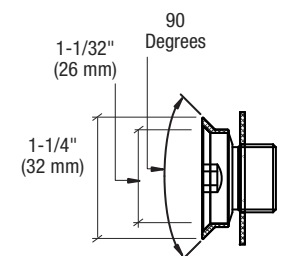
Surface Style Cap Attachment



CAT. NO. SGF36CAP



Flush Style Cap Attachment



CAT. NO. SGF32CS

CRL COLUMN SERIES SWIVEL FITTINGS

- Available in Eight Configurations for Either Surface or Flush Glass Attachments (Sold Separately)
- Brushed Stainless Finish
- Accomodate 3/8" or 1/2" (10 or 12 mm) Glass



Surface Mount
Cap Assembly



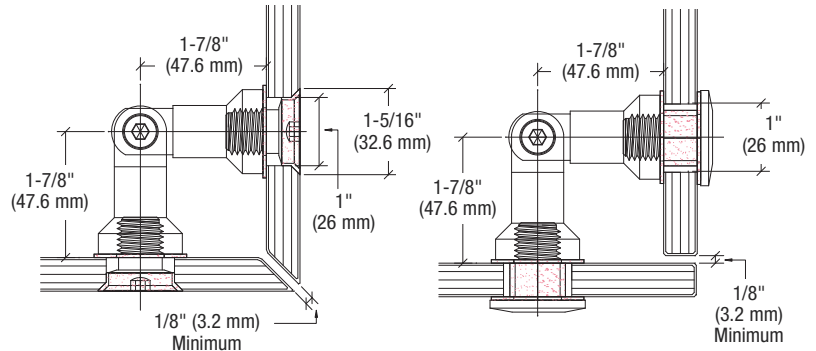
Flush Mount
Cap Assembly



CRL's Column Series Swivel Fittings are designed to provide a simple solution to connecting pieces of glass at different angles. The Single Pivot Column Swivel Fitting gives you the option of selecting either a Surface Mount Glass Attachment Cap or a Flush Mount Glass Attachment Cap.

All Column Series Swivel Fittings will accommodate glass thicknesses from 3/8" to 1/2" (10 to 12 mm). An optional 3-15/16" (100 mm) Link is also available for those special applications. The simple design of this fitting makes for a quick and easy installation. Standard Column Series Swivel Fittings and Cap Assemblies (not included) come in a brushed stainless finish.

CRL SINGLE PIVOT GLASS-TO-GLASS COLUMN SERIES SWIVEL FITTING



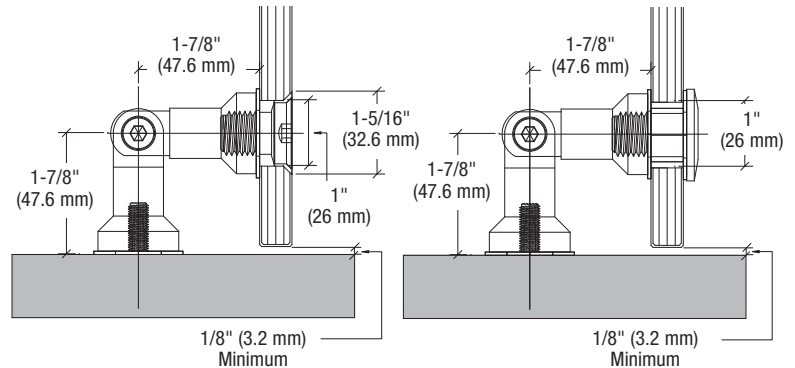
CAT. NO.	DESCRIPTION	FINISH
SGF42BGG	Single Pivot Glass-to-Glass Swivel Fitting	Brushed Stainless

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

With Flush Mount
Glass Cap Assemblies
(Sold Separately)

With Surface Mount
Glass Cap Assemblies
(Sold Separately)

CRL SINGLE PIVOT GLASS-TO-WALL/FLOOR COLUMN SERIES SWIVEL FITTING



CAT. NO.	DESCRIPTION	FINISH
SGF41BGW	Single Pivot Glass-to-Wall/Floor Swivel Fitting	Brushed Stainless

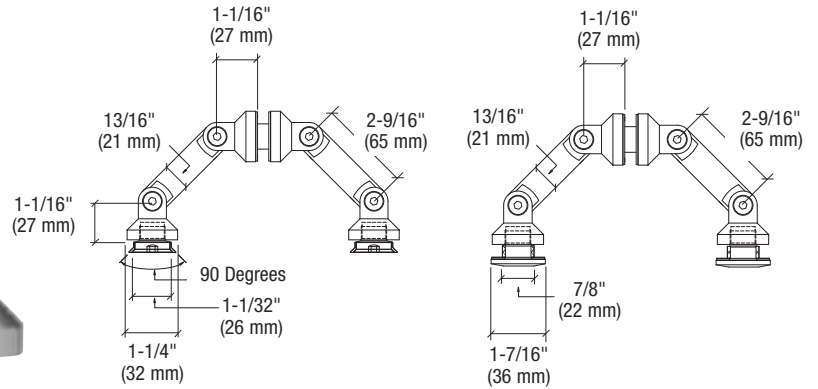
Minimum order: 1 each. All Swivel Fittings can be combined for quantity pricing.

NOTE: This Fitting uses the Glass Attachments shown at the top of the page.
For Wall/Floor Attachments see page SC47.

CRL GLASS PANEL CONNECTORS

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CRL GLASS FIN-TO-GLASS COLUMN SERIES SWIVEL FITTING



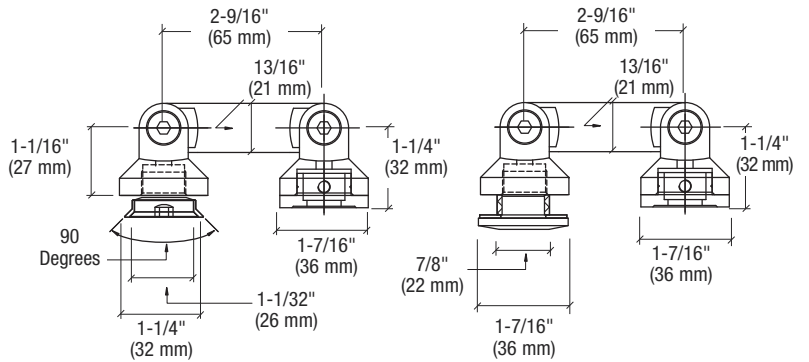
CAT. NO.	DESCRIPTION	FINISH
SGF67BGG	Glass Fin-to-Glass Swivel Fitting	Brushed Stainless

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

With Flush Mounted
Glass Cap Assemblies
(Sold Separately)

With Surface Mounted
Glass Cap Assemblies
(Sold Separately)

CRL DUAL PIVOT GLASS-TO-WALL/FLOOR COLUMN SERIES SWIVEL FITTING



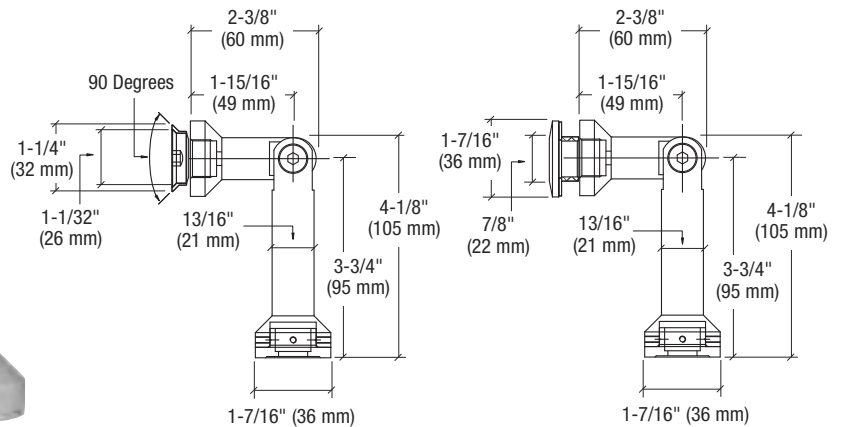
CAT. NO.	DESCRIPTION	FINISH
SGF61BGW	Dual Pivot Glass-to-Wall/Floor Swivel Fitting	Brushed Stainless

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

With Flush Mounted
Glass Cap Assemblies
(Sold Separately)

With Surface Mounted
Glass Cap Assemblies
(Sold Separately)

CRL SINGLE PIVOT GLASS-TO-WALL/FLOOR COLUMN SERIES SWIVEL FITTING



CAT. NO.	DESCRIPTION	FINISH
SGF63BGW	Single Pivot Glass-to-Wall/Floor Swivel Fitting	Brushed Stainless

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

With Flush Mounted
Glass Cap Assemblies
(Sold Separately)

With Surface Mounted
Glass Cap Assemblies
(Sold Separately)

crlaurence.com

CRL C.R. LAURENCE COMPANY

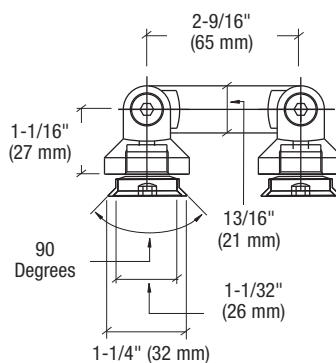
crlaurence.ca • crlaurence.com.au • crlaurence.co.uk • crlaurence.de • crlaurence.eu | SC47
crlaurence.com.mx • crlaurence.qc.ca • crlaurence.fr • crlaurence.it • crlaurence.dk

CRL GLASS PANEL CONNECTORS

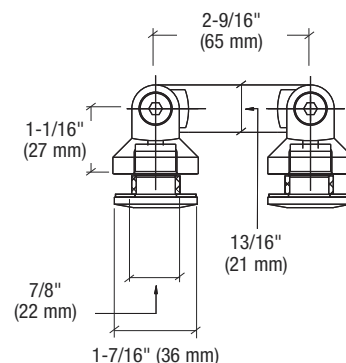
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CRL DUAL PIVOT GLASS-TO-GLASS COLUMN SERIES SWIVEL FITTING



With Flush Mounted Glass Cap Assemblies (Sold Separately)

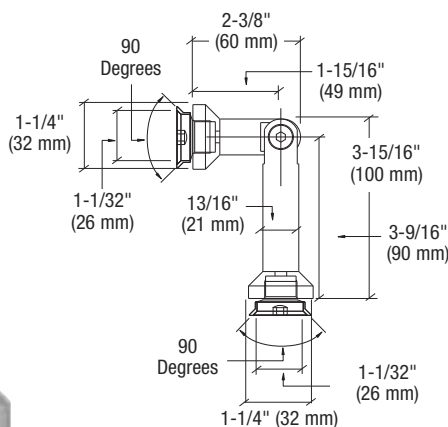


With Surface Mounted Glass Cap Assemblies (Sold Separately)

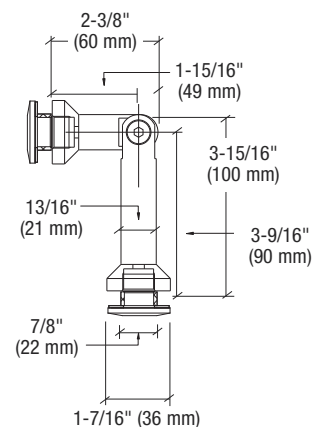
CAT. NO.	DESCRIPTION	FINISH
SGF62BGG	Dual Pivot Glass-to-Glass Swivel Fitting	Brushed Stainless

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

CRL SINGLE PIVOT GLASS-TO-GLASS COLUMN SERIES SWIVEL FITTING



With Flush Mounted Glass Cap Assemblies (Sold Separately)



With Surface Mounted Glass Cap Assemblies (Sold Separately)

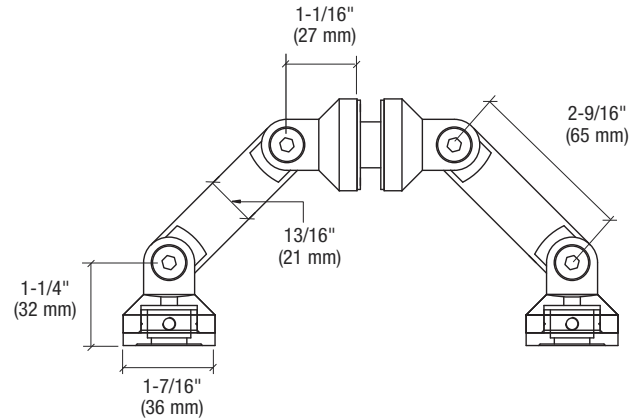
CAT. NO.	DESCRIPTION	FINISH
SGF64BGG	Single Pivot Glass-to-Glass Swivel Fitting	Brushed Stainless

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

CRL GLASS PANEL CONNECTORS

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CRL GLASS FIN-TO-WALL/FLOOR COLUMN SERIES SWIVEL FITTING



CAT. NO.	DESCRIPTION	FINISH
SGF66BGW	Glass Fin-to-Wall/Floor Swivel Fitting	Brushed Stainless

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

CRL OPTIONAL LONG LINK FOR COLUMN SERIES SWIVEL FITTINGS

- 3-15/16" (100 mm) Length
- Easy to Replace



CRL's Optional Long Links are available for those situations where additional length is required between the ends of the fittings. The Link is easy to replace, and has the same brushed stainless finish as our Column Series Swivel Fittings.

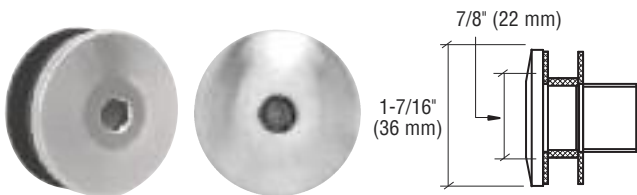
CAT. NO.	DESCRIPTION	FINISH
SGF100BS	3-15/16" (100 mm) Link	Brushed Stainless

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



GLASS FABRICATION INSTRUCTIONS FOR SWIVEL FITTING CAP ASSEMBLIES

CRL SURFACE MOUNT CAP ASSEMBLY

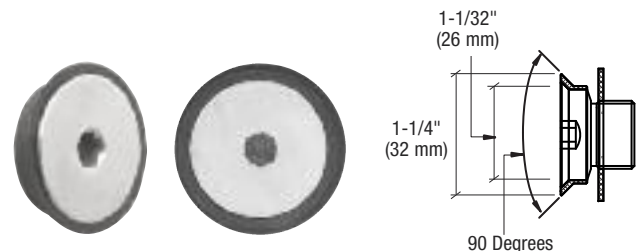


For CRL Surface Mount Caps use our Cat. No. PDT78 7/8" (22 mm) diameter Metal Bond Diamond Drill to make the required hole. Glass thickness range is 3/8" to 1/2" (10 to 12 mm). Thread pitch is M18 x 1.0.

CAT. NO.	DIAMETER	DESCRIPTION
SGF36CAP	1-7/16" (36 mm)	Surface Mount Cap Assembly

Minimum order: 1 each.

CRL FLUSH MOUNT CAP ASSEMBLY



For CRL Flush Mount Caps use our Cat. No. PDT1 1" (26 mm) diameter Metal Bond Diamond Drill to make the required hole, and the Cat. No. BDC112 1-1/2" (38 mm) diameter Belgian Mount Diamond Countersink for the desired countersink depth stopping at 1-1/4" (32 mm) diameter. Glass thickness range is 3/8" to 1/2" (10 to 12 mm). Thread pitch is M18 x 1.0.

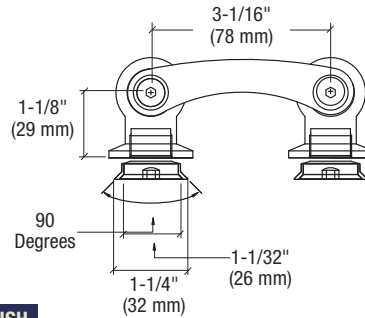
CAT. NO.	DIAMETER	DESCRIPTION
SGF32CS	1-1/4" (32 mm)	Flush Mount Cap Assembly

Minimum order: 1 each.

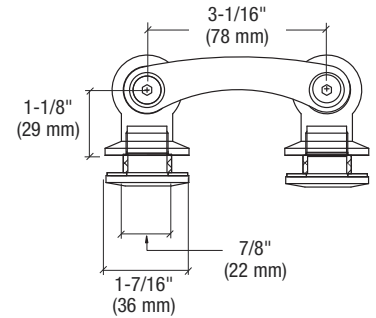
CRL GLASS PANEL CONNECTORS

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CRL DUAL PIVOT GLASS-TO-GLASS ARCH SERIES SWIVEL FITTING



With Flush Mounted
Glass Cap Assemblies
(Sold Separately)

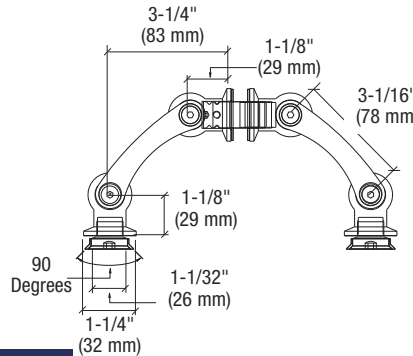


With Surface Mounted
Glass Cap Assemblies
(Sold Separately)

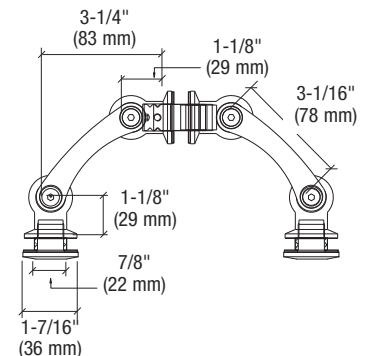
CAT. NO.	DESCRIPTION	FINISH
SGF02BGG	Dual Pivot Glass-to-Glass Swivel Fitting	Brushed Stainless

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

CRL GLASS FIN-TO-GLASS ARCH SERIES SWIVEL FITTING



With Flush Mounted
Glass Cap Assemblies
(Sold Separately)

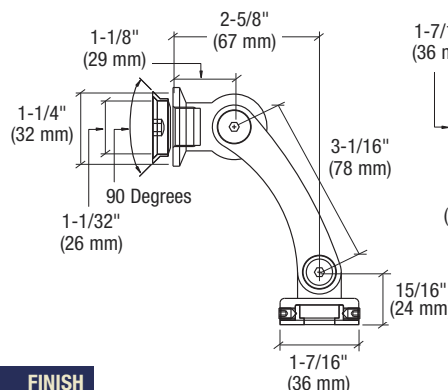


With Surface Mounted
Glass Cap Assemblies
(Sold Separately)

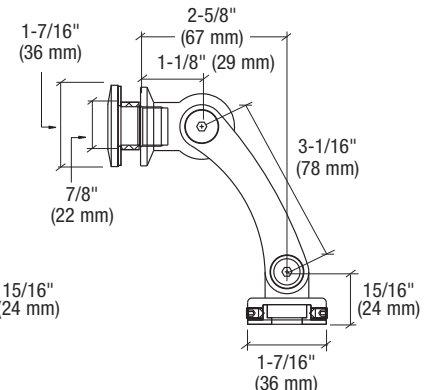
CAT. NO.	DESCRIPTION	FINISH
SGF04BGG	Glass Fin-to-Glass Swivel Fitting	Brushed Stainless

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

CRL DUAL PIVOT GLASS-TO-WALL/FLOOR ARCH SERIES SWIVEL FITTING



With Flush Mounted
Glass Cap Assemblies
(Sold Separately)

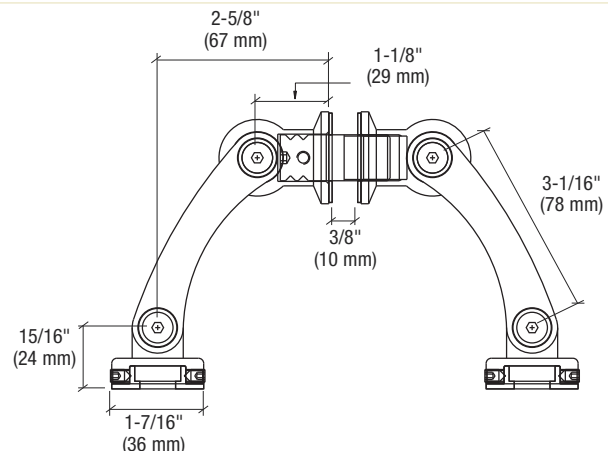


With Surface Mounted
Glass Cap Assemblies
(Sold Separately)

CAT. NO.	DESCRIPTION	FINISH
SGF01BGW	Dual Pivot Glass-to-Wall/Floor Swivel Fitting	Brushed Stainless

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

CRL GLASS FIN-TO-WALL/FLOOR ARCH SERIES SWIVEL FITTING



CAT. NO.	DESCRIPTION	FINISH
SGF03BGW	Glass Fin-to-Wall/Floor Swivel Fitting	Brushed Stainless

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

CRL GLASS CLAMPS TRANSFORM THE ORDINARY TO EXTRAORDINARY

- Fixed Panel Clamps, 90 Degree Clamps, 135 Degree Clamps, and 180 Degree Clamps for 1/4" to 1/2" (6 to 12 mm) Thick Glass
- Up to 24 Available Stock Finishes
- Options Include: Wall Mount, Ceiling Mount, Floor Mount, Post Mount, and Glass-to-Glass Mount



CRL offers the largest selection of Glass Clamps, in style, size, and finish on the market today. When the design calls for a frameless appearance with more glass and less metal, CRL Glass Clamps provide a sturdy, clean looking alternative to U-Channel or other framing. CRL Glass Clamps are available to accommodate from 1/4" to 1/2" (6 to 12 mm) thick panels made of glass, wood, plastic, or any other material you wish to work with. CRL Glass Clamps are also available with radius backs for mounting on 1" (25 mm) to 2" (51 mm) diameter posts.

Typical applications include: Railing, Showcases, Partition Walls, Stereo Cabinets, Kiosks, Signage, Retail Displays, Mall Fronts, and even Furniture. CRL Glass Clamps hold panels in place by either a set screw or repositionable plate, requiring no fabrication of the glass, or a thru-bolt or pin for added support. These require a hole in the panel to receive the Clamp.

The following pages provide you with details to help you choose the right clamp for your next project. For detailed drawings and templates, please visit us online at crlaurence.com, or call CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7720. You can also e-mail us through our web site at crlaurence.com. From the home page click on Contact Us, and then click on Technical Sales for Glass and Glazing Products.



Glass Infill Panels for Railings



Retail Displays



Frameless Showers



Commercial Applications-Mall Storefronts



Custom Showroom Installations



Glass Partitions



Glass Shelves



CRL UNIVERSAL CLAMPS

CRL's Universal Clamps are available in four different sizes that will provide several options in mounting small glass shelves or panels in glass thicknesses from 3/16" to 5/16" (5 to 8 mm). All of the Clamps in this group can be installed without drilling holes in the glass. It is recommended that these Clamps be attached into wall studs or a wood substrate. Drawings and templates for all Clamps are available online at crlaurence.com.

CRL SET SCREW CLAMPS FOR 3/16" TO 1/4" (5 TO 6 MM) GLASS



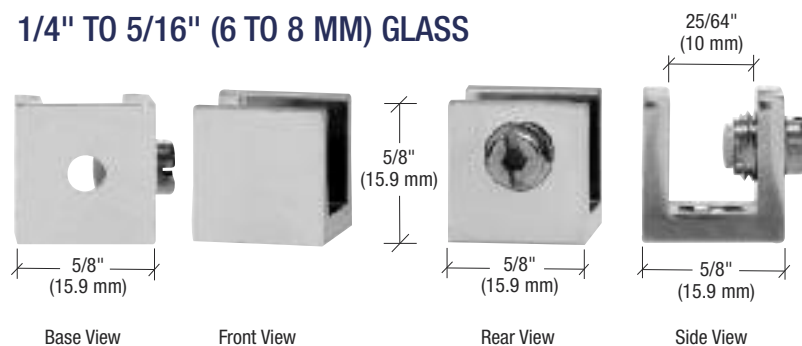
CRL Set Screw Glass Clamps are designed to attach glass without having to drill holes in the panels. These solid brass Clamps can be used for a variety of glass applications. They can be attached to any substrate, and are secured to the glass with plastic tipped set screws. Economically packaged 10 per pack for your convenience.

• Set Screw Type for 3/16" to 1/4" (5 to 6 mm) Glass

CAT. NO.	FINISH
EH22	Chrome
EH23	Brushed Nickel
EH24	Brass

Minimum order: 1 pack. All Glass Clamps can be combined for quantity pricing.

CRL SET SCREW CLAMPS FOR 1/4" TO 5/16" (6 TO 8 MM) GLASS



CRL Set Screw Clamps are designed for smaller glass mounting projects. They are an economical way of attaching shelves to walls. These solid brass Clamps can be used for a variety of glass applications. They can be attached to any substrate, and a plastic tipped set screw secures the glass. Sold only in packs of 10.

• Set Screw Type for 1/4" to 5/16" (6 to 8 mm) Glass

CAT. NO.	FINISH
EH26	Chrome
EH27	Brushed Nickel
EH28	Brass

Minimum order: 1 pack. All Glass Clamps can be combined for quantity pricing.

CRL SINGLE SET SCREW CLAMPS FOR 1/4" TO 5/16" (6 TO 8 MM) GLASS



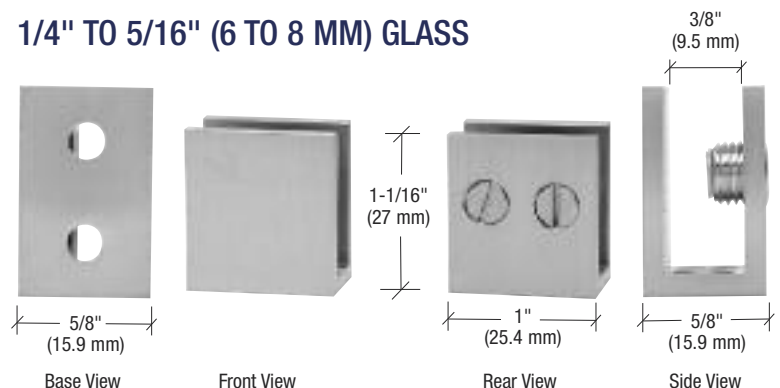
CRL Single Set Screw Glass Clamps are designed for lightweight glass mounting solutions such as erecting small signs, low glass partitions in kiosks, or attaching shelves to walls. These solid brass Clamps can be used for a variety of glass applications. They can be attached to any substrate. The glass is secured by a plastic tipped set screw. One Clamp per pack.

• Set Screw Type for 1/4" to 5/16" (6 to 8 mm) Glass

CAT. NO.	FINISH
EH30	Chrome
EH31	Brushed Nickel
EH32	Brass

Minimum order: 1 pack. All Glass Clamps can be combined for quantity pricing.

CRL DOUBLE SET SCREW CLAMPS FOR 1/4" TO 5/16" (6 TO 8 MM) GLASS



CRL Double Set Screw Glass Clamps are designed to mount glass just about anywhere. With double plastic tipped set screws, this solid brass Clamp has the strength to support larger panels. Typical applications include connecting panels for railing systems, office partitions, and display merchandise signage. One Clamp per pack.

• Double Set Screw Type for 1/4" to 5/16" (6 to 8 mm) Glass

CAT. NO.	FINISH
EH34	Chrome
EH35	Brushed Nickel
EH36	Brass

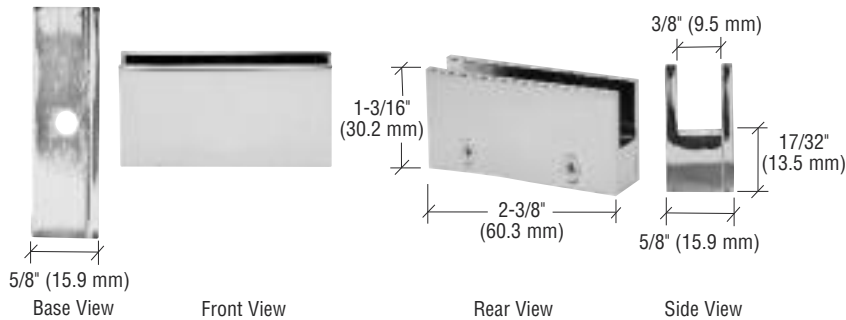
Minimum order: 1 pack. All Glass Clamps can be combined for quantity pricing.

CRL FACE PLATE CLAMPS

From Clamps with narrow profiles to traditional designs, CRL offers Glass Clamps with both removable and fixed face plates to provide flush glazing and ease of panel installation. These solid brass Clamps work with glass thicknesses from 1/4" to 1/2" (6 to 12 mm). Drawings and templates for all Clamps are available online at crlaurence.com.



CRL LOW PROFILE FACE PLATE CLAMPS FOR 1/4" TO 5/16" (6 TO 8 MM) GLASS



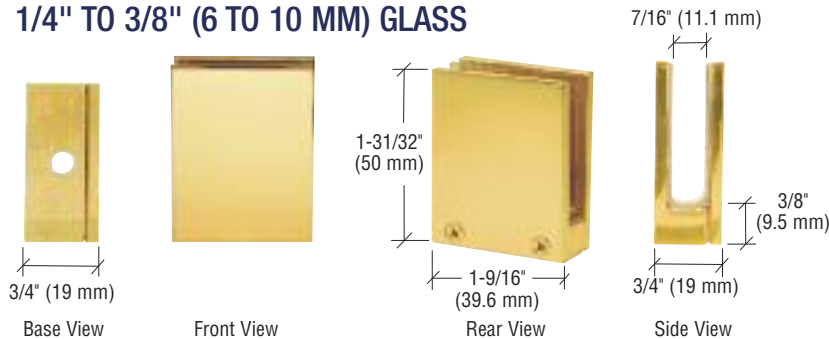
CRL Low Profile Face Plate Glass Clamps are perfect for flush glazing or attaching shelves to walls. The Clamp has a removable face plate secured with two screws. A gasket for 5/16" (8 mm) glass is supplied. For use with 1/4" (6 mm) glass we recommend CRL Cat. No. 820 Tuff-Pak Tape. One Clamp per pack.

- For 1/4" to 5/16" (6 to 8 mm) Glass

CAT. NO.	FINISH
EH09	Brushed Nickel
EH10	Chrome
EH11	Brass

Minimum order: 1 pack. All Glass Clamps can be combined for quantity pricing.

CRL LIGHT GLASS FACE PLATE CLAMPS FOR 1/4" TO 3/8" (6 TO 10 MM) GLASS



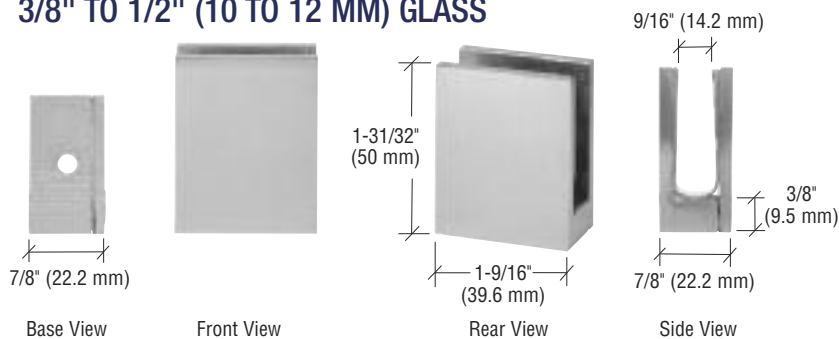
CRL Light Glass Face Plate Clamps are one of our most popular sellers. Universal in design, the Clamp has a removable face plate secured with two screws. Gasket is supplied for 3/8" (10 mm) glass. For use with 1/4" (6 mm) glass we recommend CRL Cat. No. 820 Tuff-Pak Tape. One Clamp per pack.

- For 1/4" to 3/8" (6 to 10 mm) Glass

CAT. NO.	FINISH
EH12	Chrome
EH13	Brushed Nickel
EH14	Brass

Minimum order: 1 pack. All Glass Clamps can be combined for quantity pricing.

CRL HEAVY GLASS FACE PLATE CLAMPS FOR 3/8" TO 1/2" (10 TO 12 MM) GLASS



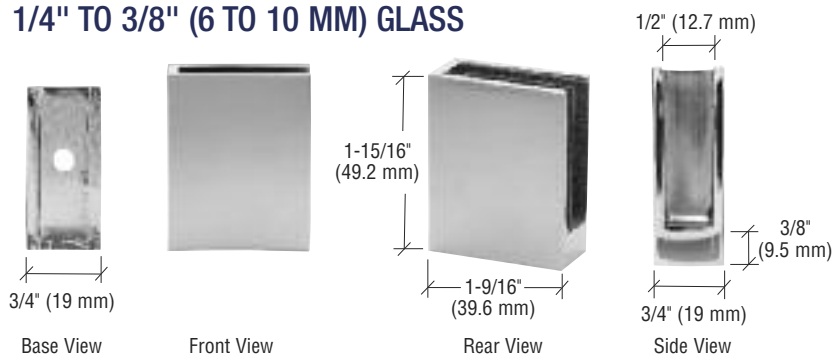
CRL Heavy Glass Face Plate Clamps are universal in design and solve many glass mounting problems. One of our most popular sellers for flush glazing or attaching shelves to walls, this Clamp has a removable face plate secured with two screws. A gasket is supplied for 1/2" (12 mm) glass. For use with 3/8" (10 mm) glass we recommend CRL Cat. No. 820 Tuff-Pak Tape. One Clamp per pack.

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

CAT. NO.	FINISH
EH15	Brushed Nickel
EH16	Chrome
EH17	Brass

Minimum order: 1 pack. All Glass Clamps can be combined for quantity pricing.

CRL FIXED PLATE CORNER CLAMPS FOR 1/4" TO 3/8" (6 TO 10 MM) GLASS



CRL Fixed Plate Corner Glass Clamps are ideal for securing glass at the top or bottom edges of partitions. These blank Corner Clamps have no face plates or set screws; glass is secured with packing. They give a finished look to shelves that are viewed from the front. Gasket is supplied for 3/8" (10 mm) glass. For use with 1/4" (6 mm) glass we recommend CRL Cat. No. 820 Tuff-Pak Tape. One Clamp per pack.

- For 1/4" to 3/8" (6 to 10 mm) Glass

CAT. NO.	FINISH
EH18	Chrome
EH19	Brushed Nickel
EH20	Brass

Minimum order: 1 pack. All Glass Clamps can be combined for quantity pricing.



CRL SHELF CLAMPS

CRL has a diversified selection of Glass Clamps that can be used for a variety of shelving applications. These solid brass Clamps are designed for glass thicknesses from 1/4" to 5/16" (6 to 8 mm). It is recommended that the depth of the shelf should not exceed 5" (127 mm), and that the Clamps are installed into wall studs or a wood substrate. Drawings and templates for all Clamps are available online at crlaurence.com.

CRL RECTANGULAR SHELF CLAMPS FOR 1/4" TO 5/16" (6 TO 8 MM) GLASS



CRL Rectangular Shelf Clamps are designed to solve glass mounting problems such as flush glazing, or attaching shelves to walls. These long Clamps have the attaching strength to hold glass securely. The glass is secured by two plastic tipped set-screws. One Clamp per pack.

- For 1/4" to 5/16" (6 to 8 mm) Glass

CAT. NO.	FINISH
EH38	Chrome
EH39	Brushed Nickel
EH40	Brass

Minimum order: 1 pack. All Glass Clamps can be combined for quantity pricing.

CRL SLIM-LINE SHELF CLAMPS FOR 1/4" TO 5/16" (6 TO 8 MM) GLASS



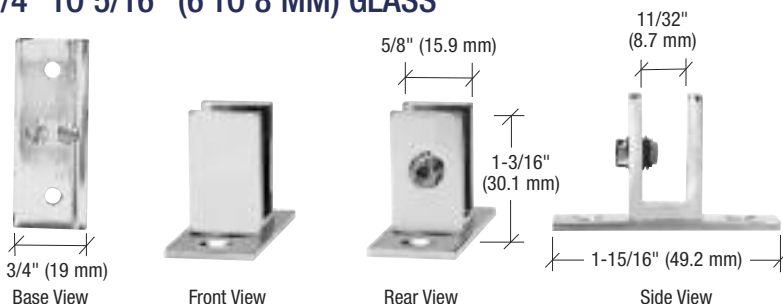
CRL Slim-Line Shelf Clamps are designed to mount glass quick and easy without having to drill holes in the glass. These solid brass Clamps can be used for a variety of glass applications. They can be attached to any substrate, and the glass is secured by a plastic tipped set screw. Each Clamp is supplied with one wood screw. One Clamp per pack.

- For 1/4" to 5/16" (6 to 8 mm) Glass

CAT. NO.	FINISH
EH42	Chrome
EH43	Brushed Nickel
EH44	Brass

Minimum order: 1 pack. All Glass Clamps can be combined for quantity pricing.

CRL SMALL VERTICAL SHELF CLAMPS FOR 1/4" TO 5/16" (6 TO 8 MM) GLASS



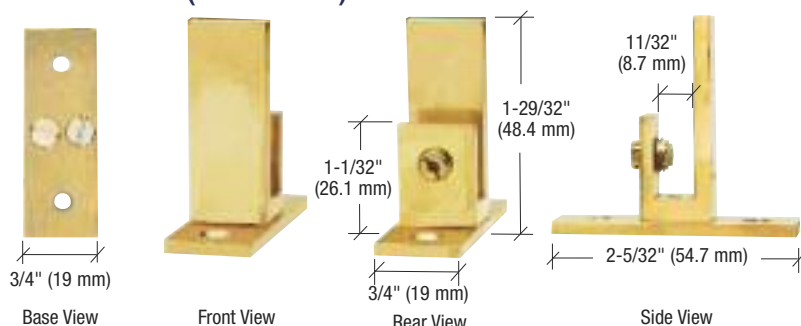
CRL Small Vertical Shelf Clamps are for glass mounting problems such as flush glazing, or attaching shelves to walls. These solid brass universal Clamps can be used for a variety of glass applications. They can be attached to any substrate. The glass is secured by a plastic tipped set screw. Each Clamp is supplied with two wood screws. One Clamp per pack.

- For 1/4" to 5/16" (6 to 8 mm) Glass

CAT. NO.	FINISH
EH46	Chrome
EH47	Brushed Nickel
EH48	Brass

Minimum order: 1 pack. All Glass Clamps can be combined for quantity pricing.

CRL LARGE VERTICAL SHELF CLAMPS FOR 1/4" TO 5/16" (6 TO 8 MM) GLASS



CRL Large Vertical Shelf Clamps are great for attaching shelves to walls because the extra long leg gives added support. These solid brass Clamps can be used for a variety of glass applications as well. They can be attached to any substrate, and the glass is secured by a plastic tipped set screw. Each Clamp is supplied with two wood screws. One Clamp per pack.

- For 1/4" to 5/16" (6 to 8 mm) Glass

CAT. NO.	FINISH
EH50	Chrome
EH51	Brushed Nickel
EH52	Brass

Minimum order: 1 pack. All Glass Clamps can be combined for quantity pricing.

CRL SLOT MOUNT STANDOFFS

- For 1/4", 3/8", and 1/2" (6, 10, and 12 mm) Thick Materials

CRL Slot Mount Standoffs are designed to be mounted either vertically or horizontally, and can be used for installing shelves without drilling holes in the material. The nylon tip set screws hold panels firmly in place without damaging panel material or glass. This 1-1/4" (31.8 mm) diameter Slot Mount Standoff is available to hold 1/4", 3/8", and 1/2" (6, 10, and 12 mm) thick material. Maximum recommended shelf projection from the wall is 5" (127 mm) when Standoff is anchored to the wall stud.



Slot Mount Standoff Assemblies Consist of:
1 Each Standoff
1 Each Nylon Tip Set Screw
1 Each Clear Gasket



BRASS CAT. NO.	CHROME CAT. NO.	SATIN CHROME CAT. NO.	BRUSHED STAINLESS CAT. NO.	GUN METAL CAT. NO.	MATERIAL THICKNESS
SM14BR	SM14CH	SM14SC	SM14BS	SM14GM	1/4" (6 mm)
SM38BR	SM38CH	SM38SC	SM38BS	SM38GM	3/8" (10 mm)
SM12BR	SM12CH	SM12SC	SM12BS	SM12GM	1/2" (12 mm)

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



CRL SOLID BRASS SHELF CLAMPS

- For 1/4" to 3/8" (6 to 10 mm) Thick Glass
- No Glass Fabrication Required
- Available In Three Styles and Up to Eight Finishes

CRL Solid Brass Shelf Clamps can be used to secure a shelf for lightweight articles. Clamps will hold 1/4" to 3/8" (6 to 10 mm) glass, with no glass fabrication required. Nylon tip brass set screws secure the glass. Maximum 5" (127 mm) glass protrusion from wall is recommended. Clamps should be secured to wall with screws (not included) in studs, or with Molly-type anchors.

CAT. NO.	FINISH
FA10CH	Chrome
FA10BR	Brass
FA10BCO	Brushed Copper
FA10BN	Brushed Nickel
FA10PN	Polished Nickel
FA10SC	Satin Chrome
FA10SB	Satin Brass
FA10UBR	Ultra Brass

CAT. NO.	FINISH
FA11CH	Chrome
FA11BR	Brass
FA11BN	Brushed Nickel
FA11PN	Polished Nickel
FA11SB	Satin Brass

CAT. NO.	FINISH
FA12CH	Chrome
FA12BR	Brass
FA12ORB	Oil Rubbed Bronze
FA12BN	Brushed Nickel
FA12SB	Satin Brass
FA12SC	Satin Chrome

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



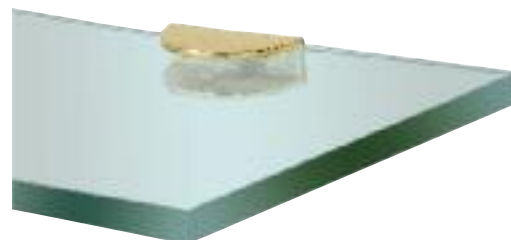
CAT. NO. FA10
Size: 1-1/8" (28.6 mm) Wide
x 1" (25.4 mm) Deep



CAT. NO. FA12
Size: 1-15/16" (49.2 mm) Wide
x 1" (25.4 mm) Deep



CAT. NO. FA11
Size: 3-15/16" (100 mm) Wide
x 1" (25.4 mm) Deep



CRL SHELF CLAMPS WITH SUPPORT LEG

- For 1/4" to 3/8" (6 to 10 mm) Thick Glass
- Support Leg for Extra Strength

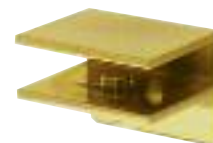
CRL Solid Brass Shelf Clamps with Support Leg can be used to secure a shelf for lightweight articles. Clamps will hold 1/4" to 3/8" (6 to 10 mm) glass, with no glass fabrication required. Nylon tip brass tension screws secure the glass. Maximum 5" (127 mm) glass protrusion from wall is recommended. Clamps should be secured to wall with screws (not included) in studs, or with Molly-type anchors. "F" shape gives an extra 1/2" (12 mm) support against the wall. One Clamp per pack.

CAT. NO.	FINISH
EH132	Chrome
EH134	Brass

CAT. NO.	FINISH
EH124	Chrome
EH126	Brass

CAT. NO.	FINISH
EH128	Chrome
EH130	Brass

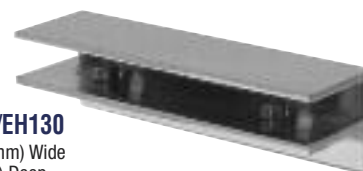
Minimum order: 1 pack. All Clamps can be combined for quantity pricing.



CAT. NO. EH132/EH134
Size: 1-9/16" (40 mm) Wide
x 1-3/16" (30 mm) Deep



CAT. NO. EH124/EH126
Size: 1-15/16" (49 mm) Wide
x 15/16" (24 mm) Deep



CAT. NO. EH128/EH130
Size: 3-15/16" (100 mm) Wide
x 1-3/16" (30 mm) Deep

CRL CABINET AND SHELF HARDWARE

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

CRL NO-DRILL ROUND GLASS SHELF CLAMPS

- Solid Brass With Chrome or Gold Plated Finishes
- For 3/8" and 1/2" (10 and 12 mm) Thick Glass



CRL No-Drill Glass Shelf Clamps are made of solid brass with a beautiful chrome or gold plated finish. They make mounting small glass shelves directly to walls or inside cabinets easy because nylon set screws secure the glass, so absolutely no glass drilling is required. The Round Clamps come in two diameters, 25/32" and 15/16" (19.8 and 23.8 mm) for 3/8" and 1/2" (10 and 12 mm) glass. Maximum shelf protrusion from the wall is 5" (127 mm). Shelf Clamps are also suitable for use with small acrylic or wood shelves. All Clamps have a single mounting hole. One per package.

CAT. NO.	FINISH	DIAMETER	GLASS THICKNESS
1020CHR	Chrome	25/32" (19.8 mm)	3/8" (10 mm)
1020GP	Gold Plated	25/32" (19.8 mm)	3/8" (10 mm)
1222CHR	Chrome	15/16" (23.8 mm)	1/2" (12 mm)
1222GP	Gold Plated	15/16" (23.8 mm)	1/2" (12 mm)

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

CRL NO-DRILL LONG GLASS SHELF CLAMPS

- Solid Brass With Chrome or Gold Plated Finishes
- For 3/8" and 1/2" (10 and 12 mm) Thick Glass



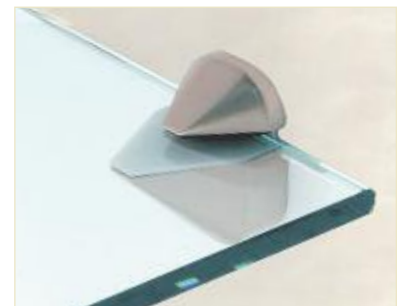
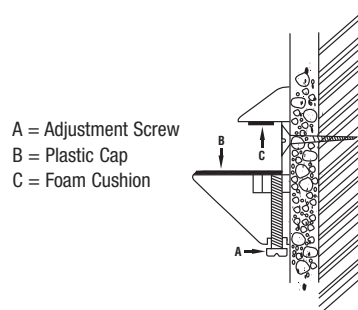
CRL No-Drill Glass Shelf Clamps are made of solid brass with a beautiful chrome or gold plated finish. They make mounting small glass shelves directly to walls or inside cabinets easy because nylon set screws secure the glass, so absolutely no glass drilling is required. The Long Clamps are available in two lengths, 1-1/4" and 2-3/4" (32 and 70 mm) for 3/8" and 1/2" (10 and 12 mm) glass. Maximum shelf protrusion from the wall is 5" (127 mm). Shelf Clamps are also suitable for use with small acrylic or wood shelves. One per package.

CAT. NO.	FINISH	LENGTH	GLASS THICKNESS
1230CHR	Chrome	1-1/4" (32 mm)	3/8" (10 mm)
1230GP	Gold Plated	1-1/4" (32 mm)	3/8" (10 mm)
1270CHR	Chrome	2-3/4" (70 mm)	3/8" (10 mm)
1270GP	Gold Plated	2-3/4" (70 mm)	3/8" (10 mm)
1430CHR	Chrome	1-1/4" (32 mm)	1/2" (12 mm)
1430GP	Gold Plated	1-1/4" (32 mm)	1/2" (12 mm)
1470CHR	Chrome	2-3/4" (70 mm)	1/2" (12 mm)
1470GP	Gold Plated	2-3/4" (70 mm)	1/2" (12 mm)

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

CRL ADJUSTABLE SHELF BRACKETS

- Two Sizes for Glass or Wood Shelves
1/8" to 15/16" (3 to 24 mm) Thick
- For Shelves Up to 12" (305 mm) Deep
(Protrusion From Wall)



CRL Regular Size Adjustable Shelf Brackets are designed to work with 1/8" to 15/16" (3 to 24 mm) thick glass or wood shelves, up to 10" (254 mm) deep. Heavy-Duty Adjustable Shelf Brackets work with 1/2" to 15/16" (12 to 24 mm) thick glass or wood shelves up to 12" (305 mm) deep.

The Brackets are secured with one screw (included) to the substrate. An adjustment screw is also included to accommodate various shelf thicknesses. Maximum recommended weight per pair of DL631 Brackets when correctly installed is 44 pounds (20 kg). Maximum recommended weight per pair of DL661 Brackets correctly installed is 50 pounds (23 kg). One pair per package.

REGULAR CAT. NO.	HEAVY-DUTY CAT. NO.	FINISH
DL631CH	DL661CH	Chrome
DL631BR	DL661BR	Brass
DL631BL	DL661BL	Black
DL631BN	DL661BN	Brushed Nickel
DL631SC	DL661SC	Satin Chrome
DL631W	DL661W	White

Minimum order: 1 pair for DL631; 1 each for DL661. Finishes can be combined for quantity pricing.

CRL Z-SERIES SQUARE TYPE GLASS CORNER CLAMPS

new

SPECIFICATIONS:

Glass Thickness: 3/8" or 1/2" (10 or 12 mm).

Base Design: Flat and Radius.

For Use With: Square Tubing or Other Flat Surfaces and 2" (50.8 mm) Diameter Round Tubing.

Material: Choice of Zinc Constructed or Stainless Steel Stainless Steel or Powder Painted Zinc Clamps are recommended for more durability in exterior applications.

Glass Fabrication:

For 3/8" (10 mm) Thick Glass: 1/2" (12 mm) diameter hole required if using provided steel pin for glass support.

For 1/2" (12 mm) Thick Glass: 9/16" (14 mm) diameter hole required if using provided steel pin for glass support.

Includes: Rubber Gaskets, Steel Pin (for optional use) with Grommet, and Repositionable Plate (ZL Series only).



CAT. NO. ZBOLT
Fastener for Use
With Metal Posts



CAT. NO. ZLAG
Fastener for Use
With Wood Posts

FOR 3/8" OR 1/2" (10 OR 12 MM) GLASS (FLAT SURFACE MOUNTING)

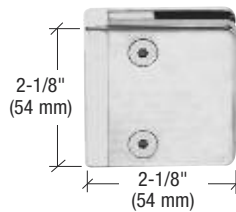
- Repositionable Plate for Use at Right or Left Corner of Glass
- For Use With Square Tubing or Other Flat Surfaces



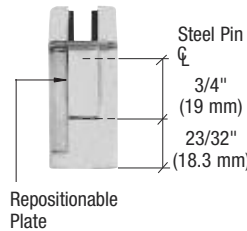
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	BASE METAL
ZL810CH	Chrome	Zinc Casting
ZL810SC	Satin Chrome	Zinc Casting
ZL810BN	Brushed Nickel	Zinc Casting
ZL810W	White	Zinc Casting
ZL910BS	Brushed Stainless	Stainless Steel
ZL910PS	Polished Stainless	Stainless Steel
ZL38SG	Replacement Gasket Set for One Clamp	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

FOR 3/8" OR 1/2" (10 OR 12 MM) GLASS (RADIUS SURFACE MOUNTING)

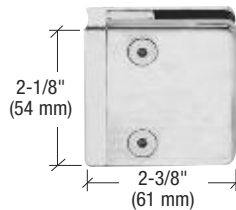
- Repositionable Plate for Use at Right or Left Corner of Glass
- For Use With 2" (50.8 mm) Diameter Round Tubing



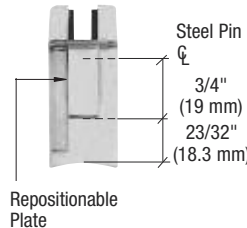
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	BASE METAL
ZL610CH	Chrome	Zinc Casting
ZL610SC	Satin Chrome	Zinc Casting
ZL610BN	Brushed Nickel	Zinc Casting
ZL610W	White	Zinc Casting
ZL710BS	Brushed Stainless	Stainless Steel
ZL710PS	Polished Stainless	Stainless Steel
ZL38SG	Replacement Gasket Set for One Clamp	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

CRL MINI Z-SERIES ROUND TYPE RADIUS BASE GLASS CLAMPS FOR 1/4" (6 MM) GLASS

- Stainless Steel in Two Finishes
- Fits 1" (25 mm) Diameter Tubing
- Ideal for Small Glass Barriers
- No Hole Drilling; Pressure Fit



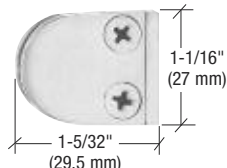
CAT. NO. SHCS10X34
Fastener For Use
With Metal Posts



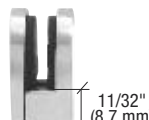
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	TUBE DIA.	BASE METAL
ZMR06PS	Polished Stainless	1" (25 mm)	Stainless Steel
ZMR06SS	Satin Stainless	1" (25 mm)	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

CRL MINI Z-SERIES ROUND TYPE FLAT BASE GLASS CLAMPS FOR 1/4" (6 MM) GLASS

- Stainless Steel in Two Finishes
- For Mounting to Flat Surfaces
- Ideal for Small Glass Barriers
- No Hole Drilling; Pressure Fit



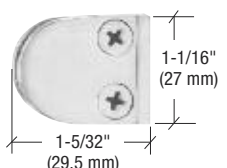
CAT. NO. SHCS10X34
Fastener For Use
With Metal Posts



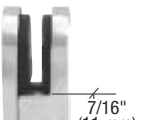
Base View



Front View



Rear View



Side View

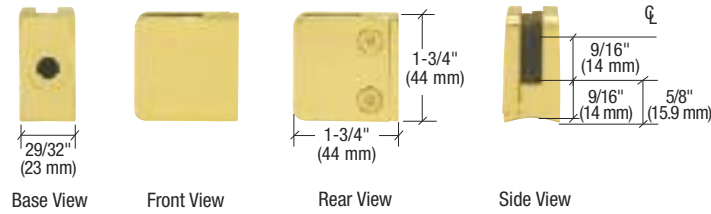
CAT. NO.	FINISH	BASE METAL
ZMF06PS	Polished Stainless	Stainless Steel
ZMF06SS	Satin Stainless	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

CRL Z-SERIES SMALL SQUARE GLASS CLAMPS

FOR 1/4" (6 MM) TO 5/16" (8 MM) GLASS

- May Be Used on Wood or Metal
Radius or Flat Surfaces



Glass Fabrication: 1/2" (12 mm) Diameter Hole Required if Using Provided Steel Pin

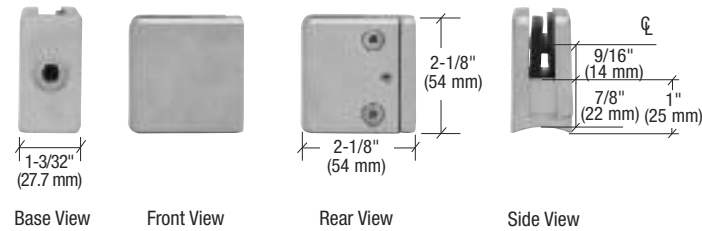
CAT. NO.	FINISH	BASE METAL
Z130BR	Brass	Zinc Casting
Z130CH	Chrome	Zinc Casting
Z130SC	Satin Chrome	Zinc Casting
Z130BN	Brushed Nickel	Zinc Casting
Z130GP	Gold Plated	Zinc Casting
Z130W	White	Zinc Casting
Z150PS	Polished Stainless	Stainless Steel
Z150SS	Satin Stainless	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

CRL Z-SERIES LARGE SQUARE GLASS CLAMPS

FOR 3/8" (10 MM) GLASS

- May Be Used on Wood or Metal
Radius or Flat Surfaces



Glass Fabrication: 1/2" (12 mm) Diameter Hole Required if Using Provided Steel Pin

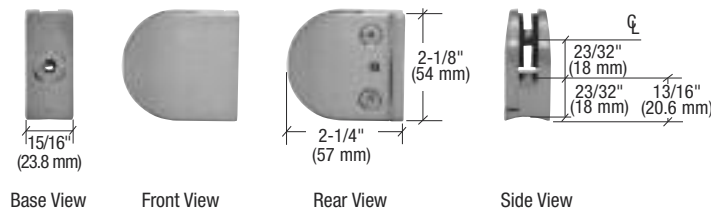
CAT. NO.	FINISH	BASE METAL
Z135BR	Brass	Zinc Casting
Z135CH	Chrome	Zinc Casting
Z135SC	Satin Chrome	Zinc Casting
Z135BN	Brushed Nickel	Zinc Casting
Z135GP	Gold Plated	Zinc Casting
Z135W	White	Zinc Casting
Z155PS	Polished Stainless	Stainless Steel
Z155SS	Satin Stainless	Stainless Steel

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

CRL Z-SERIES LARGE ROUND GLASS CLAMPS

FOR 1/4" (6 MM) GLASS

- May Be Used on Wood or Metal
Radius or Flat Surfaces



Glass Fabrication: 1/2" (12 mm) Diameter Hole Required if Using Provided Steel Pin

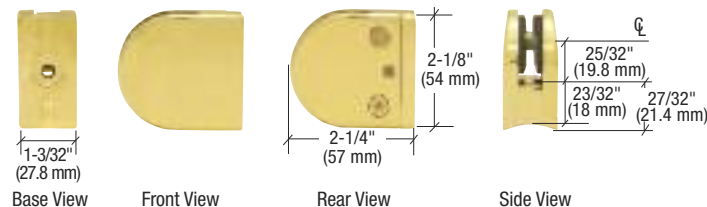
CAT. NO.	FINISH	BASE METAL
Z106BR	Brass	Zinc Casting
Z106CH	Chrome	Zinc Casting
Z106SC	Satin Chrome	Zinc Casting
Z106BN	Brushed Nickel	Zinc Casting
Z106GP	Gold Plated	Zinc Casting
Z106W	White	Zinc Casting

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

CRL Z-SERIES LARGE ROUND GLASS CLAMPS

FOR 3/8" (10 MM) GLASS

- May Be Used on Wood or Metal
Radius or Flat Surfaces



Glass Fabrication: 1/2" (12 mm) Diameter Hole Required if Using Provided Steel Pin

CAT. NO.	FINISH	BASE METAL
Z110BR	Brass	Zinc Casting
Z110CH	Chrome	Zinc Casting
Z110SC	Satin Chrome	Zinc Casting
Z110BN	Brushed Nickel	Zinc Casting
Z110GP	Gold Plated	Zinc Casting
Z110W	White	Zinc Casting

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

CRL Z-SERIES ROUND TYPE RADIUS BASE GLASS CLAMPS

SPECIFICATIONS:

Glass Thickness: Models for 1/4" to 1/2" (6 to 12 mm).

Base Design: Radius.

For Use With: 1-1/2" or 2" (38.1 or 50.8 mm)

Diameter Round Tubing.

Material: Choice of Zinc Constructed or Stainless Steel.
Stainless Steel or Powder Painted Zinc Clamps are recommended for more durability in exterior applications.

Glass Fabrication:

For 1/4" (6 mm), 5/16" (8 mm), and 3/8" (10 mm)

Thick Glass: 1/2" (12 mm) diameter hole required if using provided steel pin for glass support.

For 1/2" (12 mm) Thick Glass: 9/16" (14 mm) diameter hole required if using provided steel pin for glass support.

Includes: Rubber Gaskets and Steel Pin (for optional use) with Grommet.



CAT. NO. ZBOLT
Fastener for Use
With Metal Posts



CAT. NO. ZLAG
Fastener for Use
With Wood Posts



Models for Round Tubing Installations

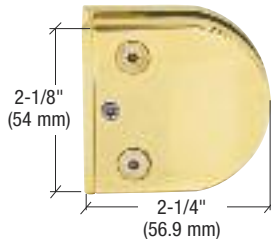
FOR 1/4" (6 MM) AND 5/16" (8 MM) GLASS



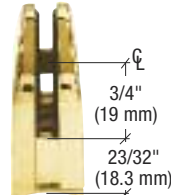
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	TUBE DIA.	BASE METAL
Z206BR	Brass	2" (50.8 mm)	Zinc Casting
Z206CH	Chrome	2" (50.8 mm)	Zinc Casting
Z206SC	Satin Chrome	2" (50.8 mm)	Zinc Casting
Z206BN	Brushed Nickel	2" (50.8 mm)	Zinc Casting
Z206GP	Gold Plated	2" (50.8 mm)	Zinc Casting
Z206W	White	2" (50.8 mm)	Zinc Casting
Z306BS	Brushed Stainless	2" (50.8 mm)	Stainless Steel
Z306PS	Polished Stainless	2" (50.8 mm)	Stainless Steel
Z15306BS	Brushed Stainless	1-1/2" (38.1 mm)	Stainless Steel
Z15306PS	Polished Stainless	1-1/2" (38.1 mm)	Stainless Steel
Z14RG	Replacement Gasket Set for One Clamp		

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

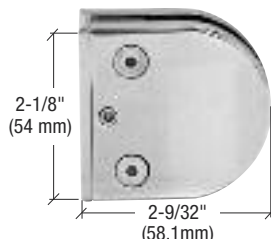
FOR 3/8" (10 MM) GLASS



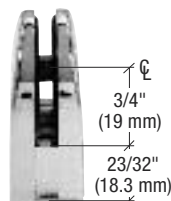
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	TUBE DIA.	BASE METAL
Z210BR	Brass	2" (50.8 mm)	Zinc Casting
Z210CH	Chrome	2" (50.8 mm)	Zinc Casting
Z210SC	Satin Chrome	2" (50.8 mm)	Zinc Casting
Z210BN	Brushed Nickel	2" (50.8 mm)	Zinc Casting
Z210GP	Gold Plated	2" (50.8 mm)	Zinc Casting
Z210W	White	2" (50.8 mm)	Zinc Casting
Z310BS	Brushed Stainless	2" (50.8 mm)	Stainless Steel
Z310PS	Polished Stainless	2" (50.8 mm)	Stainless Steel
Z15310BS	Brushed Stainless	1-1/2" (38.1 mm)	Stainless Steel
Z15310PS	Polished Stainless	1-1/2" (38.1 mm)	Stainless Steel
Z38RG	Replacement Gasket Set for One Clamp		

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

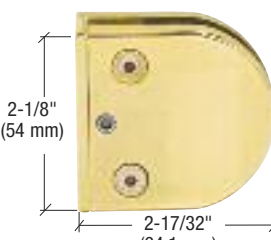
FOR 1/2" (12 MM) GLASS



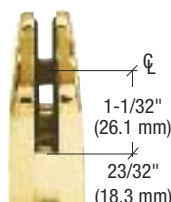
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	TUBE DIA.	BASE METAL
Z212BR	Brass	2" (50.8 mm)	Zinc Casting
Z212CH	Chrome	2" (50.8 mm)	Zinc Casting
Z212SC	Satin Chrome	2" (50.8 mm)	Zinc Casting
Z212BN	Brushed Nickel	2" (50.8 mm)	Zinc Casting
Z212GP	Gold Plated	2" (50.8 mm)	Zinc Casting
Z212W	White	2" (50.8 mm)	Zinc Casting
Z312BS	Brushed Stainless	2" (50.8 mm)	Stainless Steel
Z312PS	Polished Stainless	2" (50.8 mm)	Stainless Steel
Z15312BS	Brushed Stainless	1-1/2" (38.1 mm)	Stainless Steel
Z15312PS	Polished Stainless	1-1/2" (38.1 mm)	Stainless Steel
Z12RG	Replacement Gasket Set for One Clamp		

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

CRL Z-SERIES ROUND TYPE FLAT BASE GLASS CLAMPS

SPECIFICATIONS:

Glass Thickness: Models for 1/4" to 1/2" (6 to 12 mm).

Base Design: Flat.

For Use With: Square Tubing or Other Flat Surfaces.

Material: Choice of Zinc Constructed or Stainless Steel.
Stainless Steel or Powder Painted Zinc Clamps are recommended for more durability in exterior applications.

Glass Fabrication:

For 1/4" (6 mm), 5/16" (8 mm), and 3/8" (10 mm) Thick Glass:
1/2" (12 mm) diameter hole required if using provided steel pin for glass support.

For 1/2" (12 mm) Thick Glass: 9/16" (14 mm) diameter hole required if using provided steel pin for glass support.

Includes: Rubber Gaskets and Steel Pin
(for optional use) with Grommet.



CAT. NO. ZBOLT
Fastener for Use
With Metal Posts



CAT. NO. ZLAG
Fastener for Use
With Wood Posts



Models for Flat Surface Installations

FOR 1/4" (6 MM) AND 5/16" (8 MM) GLASS

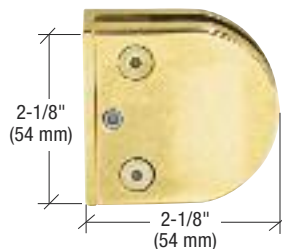


15/16" (23.6 mm)

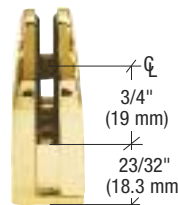
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	BASE METAL
Z406BR	Brass	Zinc Casting
Z406CH	Chrome	Zinc Casting
Z406SC	Satin Chrome	Zinc Casting
Z406BN	Brushed Nickel	Zinc Casting
Z406GP	Gold Plated	Zinc Casting
Z406W	White	Zinc Casting
Z506BS	Brushed Stainless	Stainless Steel
Z506PS	Polished Stainless	Stainless Steel
Z14RG	Replacement Gasket Set for One Clamp	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

FOR 3/8" (10 MM) GLASS

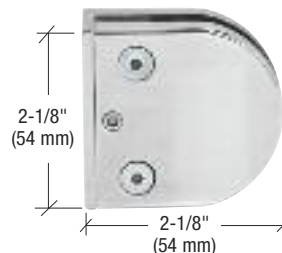


1-3/32" (27.7 mm)

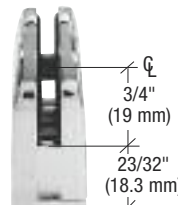
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	BASE METAL
Z410BR	Brass	Zinc Casting
Z410CH	Chrome	Zinc Casting
Z410SC	Satin Chrome	Zinc Casting
Z410BN	Brushed Nickel	Zinc Casting
Z410GP	Gold Plated	Zinc Casting
Z410W	White	Zinc Casting
Z510BS	Brushed Stainless	Stainless Steel
Z510PS	Polished Stainless	Stainless Steel
Z38RG	Replacement Gasket Set for One Clamp	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

FOR 1/2" (12 MM) GLASS

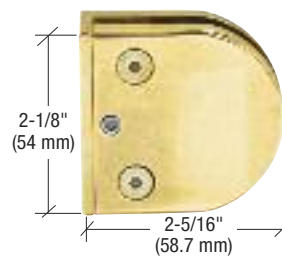


1-7/32" (31.2 mm)

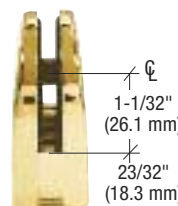
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	BASE METAL
Z412BR	Brass	Zinc Casting
Z412CH	Chrome	Zinc Casting
Z412SC	Satin Chrome	Zinc Casting
Z412BN	Brushed Nickel	Zinc Casting
Z412GP	Gold Plated	Zinc Casting
Z412W	White	Zinc Casting
Z512BS	Brushed Stainless	Stainless Steel
Z512PS	Polished Stainless	Stainless Steel
Z12RG	Replacement Gasket Set for One Clamp	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

CRL Z-SERIES SQUARE TYPE RADIUS BASE GLASS CLAMPS



SPECIFICATIONS:

Glass Thickness: Models for 1/4" to 1/2" (6 to 12 mm).

Base Design: Radius.

For Use With: 2" (50.8 mm) Diameter Round Tubing only.

Material: Choice of Zinc Constructed or Stainless Steel.
Stainless Steel or Powder Painted Zinc Clamps are recommended for more durability in exterior applications.

Glass Fabrication:

For 1/4" (6 mm), 5/16" (8 mm), and 3/8" (10 mm)

Thick Glass: 1/2" (12 mm) diameter hole required if using provided steel pin for glass support.

For 1/2" (12 mm) Thick Glass: 9/16" (14 mm) diameter hole required if using provided steel pin for glass support.

Includes: Rubber Gaskets and Steel Pin (for optional use) with Grommet.



CAT. NO. ZBOLT
Fastener for Use
With Metal Posts



CAT. NO. ZLAG
Fastener for Use
With Wood Posts



Models for Round Tubing Installations

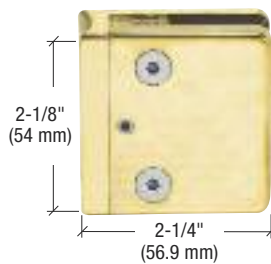
FOR 1/4" (6 MM) AND 5/16" (8 MM) GLASS



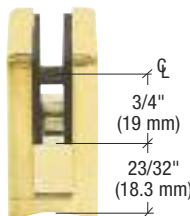
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	BASE METAL
Z606BR	Brass	Zinc Casting
Z606CH	Chrome	Zinc Casting
Z606SC	Satin Chrome	Zinc Casting
Z606BN	Brushed Nickel	Zinc Casting
Z606GP	Gold Plated	Zinc Casting
Z606W	White	Zinc Casting
Z706BS	Brushed Stainless	Stainless Steel
Z706PS	Polished Stainless	Stainless Steel
Z14SG	Replacement Gasket Set for One Clamp	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

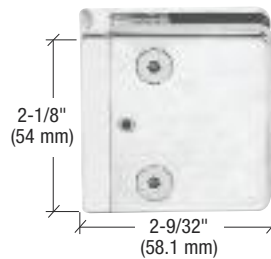
FOR 3/8" (10 MM) GLASS



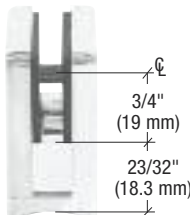
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	BASE METAL
Z610BR	Brass	Zinc Casting
Z610CH	Chrome	Zinc Casting
Z610SC	Satin Chrome	Zinc Casting
Z610BN	Brushed Nickel	Zinc Casting
Z610GP	Gold Plated	Zinc Casting
Z610W	White	Zinc Casting
Z710BS	Brushed Stainless	Stainless Steel
Z710PS	Polished Stainless	Stainless Steel
Z38SG	Replacement Gasket Set for One Clamp	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

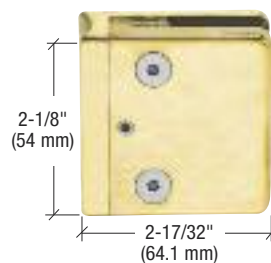
FOR 1/2" (12 MM) GLASS



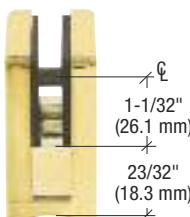
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	BASE METAL
Z612BR	Brass	Zinc Casting
Z612CH	Chrome	Zinc Casting
Z612SC	Satin Chrome	Zinc Casting
Z612BN	Brushed Nickel	Zinc Casting
Z612GP	Gold Plated	Zinc Casting
Z612W	White	Zinc Casting
Z712BS	Brushed Stainless	Stainless Steel
Z712PS	Polished Stainless	Stainless Steel
Z12SG	Replacement Gasket Set for One Clamp	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

CRL Z-SERIES SQUARE TYPE FLAT BASE GLASS CLAMPS

SPECIFICATIONS:

Glass Thickness: Models for 1/4" to 1/2" (6 to 12 mm).

Base Design: Flat.

For Use With: Square Tubing or Other Flat Surfaces.

Material: Choice of Zinc Constructed or Stainless Steel.
Stainless Steel or Powder Painted Zinc Clamps are recommended for more durability in exterior applications.

Glass Fabrication:

For 1/4" (6 mm), 5/16" (8 mm), and 3/8" (10 mm) Thick Glass: 1/2" (12 mm) diameter hole required if using provided steel pin for glass support.

For 1/2" (12 mm) Thick Glass: 9/16" (14 mm) diameter hole required if using provided steel pin for glass support.

Includes: Rubber Gaskets and Steel Pin (for optional use) with Grommet.



CAT. NO. ZBOLT
Fastener for Use
With Metal Posts



CAT. NO. ZLAG
Fastener for Use
With Wood Posts



Models for Flat Surface Installations

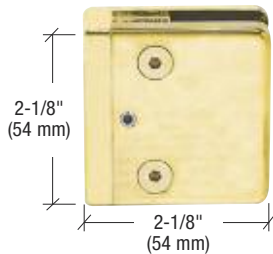
FOR 1/4" (6 MM) AND 5/16" (8 MM) GLASS



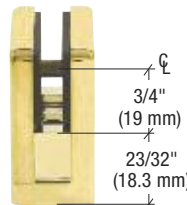
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	BASE METAL
Z806BR	Brass	Zinc Casting
Z806CH	Chrome	Zinc Casting
Z806SC	Satin Chrome	Zinc Casting
Z806BN	Brushed Nickel	Zinc Casting
Z806GP	Gold Plated	Zinc Casting
Z806W	White	Zinc Casting
Z906BS	Brushed Stainless	Stainless Steel
Z906PS	Polished Stainless	Stainless Steel
Z14SG	Replacement Gasket Set for One Clamp	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

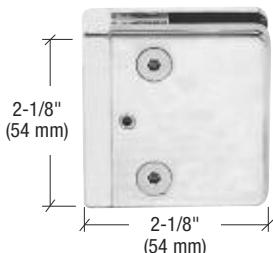
FOR 3/8" (10 MM) GLASS



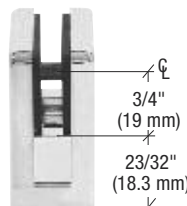
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	BASE METAL
Z810BR	Brass	Zinc Casting
Z810CH	Chrome	Zinc Casting
Z810SC	Satin Chrome	Zinc Casting
Z810BN	Brushed Nickel	Zinc Casting
Z810GP	Gold Plated	Zinc Casting
Z810W	White	Zinc Casting
Z910BS	Brushed Stainless	Stainless Steel
Z910PS	Polished Stainless	Stainless Steel
Z38SG	Replacement Gasket Set for One Clamp	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

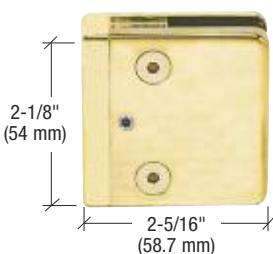
FOR 1/2" (12 MM) GLASS



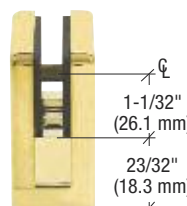
Base View



Front View



Rear View



Side View

CAT. NO.	FINISH	BASE METAL
Z812BR	Brass	Zinc Casting
Z812CH	Chrome	Zinc Casting
Z812SC	Satin Chrome	Zinc Casting
Z812BN	Brushed Nickel	Zinc Casting
Z812GP	Gold Plated	Zinc Casting
Z812W	White	Zinc Casting
Z912BS	Brushed Stainless	Stainless Steel
Z912PS	Polished Stainless	Stainless Steel
Z12SG	Replacement Gasket Set for One Clamp	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

CRL Z-SERIES SQUARE TYPE GLASS CLAMPS FOR 3/4" (19 MM) GLASS

SPECIFICATIONS:

Glass Thickness: 3/4" (19 mm).

Base Design: Flat and Radius.

For Use With: Square Tubing or
Other Flat Surfaces and 2" (50.8 mm)
Diameter Round Tubing.

Material: 316 Alloy Stainless Steel.

Glass Fabrication:

One 7/8" (22.2 mm) diameter finger notch is required.
The included steel pin must be used for 3/4" (19 mm)
glass applications.

Includes: Rubber Gaskets and Steel Pin.

new



CAT. NO. ZBOLT
Fastener for Use
With Metal Posts



CAT. NO. ZLAG
Fastener for Use
With Wood Posts



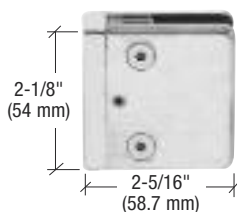
FOR 3/4" (19 MM) GLASS (FLAT SURFACE MOUNTING)



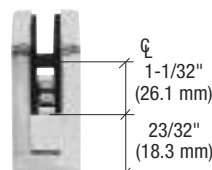
Base View



Front View



Rear View



Side View

- For Use With Square Tubing
or Other Flat Surfaces
- 316 Alloy Stainless Steel

CAT. NO.	FINISH	BASE METAL
Z934BS	Brushed Stainless	Stainless Steel
Z934PS	Polished Stainless	Stainless Steel
Z34SG	Replacement Gasket Set for 3/4" (19 mm) Glass	
Z58SG	Replacement Gasket Set for 5/8" (16 mm) Glass	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

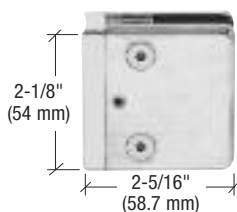
FOR 3/4" (19 MM) GLASS (RADIUS SURFACE MOUNTING)



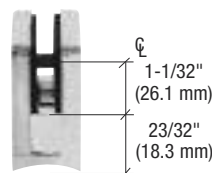
Base View



Front View



Rear View



Side View

- For Use With 2" (50.8 mm)
Diameter Round Tubing
- 316 Alloy Stainless Steel

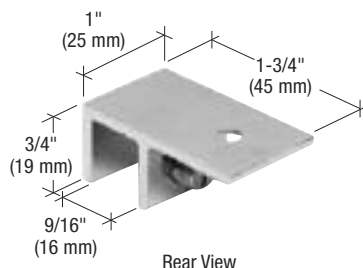
CAT. NO.	FINISH	BASE METAL
Z734BS	Brushed Stainless	Stainless Steel
Z734PS	Polished Stainless	Stainless Steel
Z34SG	Replacement Gasket Set for 3/4" (19 mm) Glass	
Z58SG	Replacement Gasket Set for 5/8" (16 mm) Glass	

Minimum order: 1 each. All Z-Series Clamps can be combined for quantity pricing.

CRL CEILING MOUNT CLAMP



Front View



Rear View

Solid Brass Ceiling Mount
Clamp will hold glass from
5/16" to 1/2" (8 to 12 mm)
thick. Glass is held in place
with a nylon tipped set screw.
No glass fabrication required.
One #10 x 2" (50.8 mm) Flat
Head Phillips Screw and Clear
Gasket included.

- For 5/16" to 1/2" (8 to 12 mm) Thick Glass

CAT. NO.	FINISH
S0GC01CH	Chrome
S0GC01BR	Brass
S0GC01BN	Brushed Nickel
S0GC01PN	Polished Nickel
S0GC01ORB	Oil Rubbed Bronze
S0GC01BSC	Brushed Satin Chrome
S0GC01SC	Satin Chrome

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



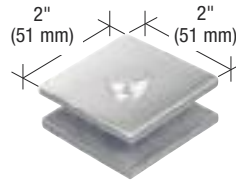
- A Choice of High Tech, Contemporary Designs for Use With 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass
- Commonly Used in Malls for Joining Vertical Joints of Glass Wall Panels
- Reduce Deflection and Improve Rigidity

Mall Front Clamps join vertical glass wall panels and provide rigidity to reduce flexing when pressure is applied. They can also serve as floating indicators to alert pedestrians of a panel's presence in dimly lit areas. All CRL Mall Front Clamps come in polished brass, polished stainless, or brushed stainless finishes, and are designed for 1/2" (12 mm) thick glass. To use on 3/8" (10 mm) glass simply file the threaded shank to the desired size. Suggested minimum gap for this Clamp is 7/32" (5.6 mm). Style F Clamps accommodate a maximum glass thickness of 3/4" (19 mm). Clamp styles D and E install using Cat. No. 491012 Clear Very High Bond Tape and Cat. No. RTV408C Clear Silicone.

CAT. NO.	CLAMP STYLE	FINISH
MFC10	A	Polished Stainless
MFC11	A	Brushed Stainless
MFC12	A	Polished Brass
MFC14	B	Polished Stainless
MFC15	B	Brushed Stainless
MFC16	B	Polished Brass
MFC18	C	Polished Stainless
MFC19	C	Brushed Stainless
MFC20	C	Polished Brass
MFC22	D	Polished Stainless
MFC23	D	Brushed Stainless
MFC24	D	Polished Brass
MFC26	E	Polished Stainless
MFC27	E	Brushed Stainless
MFC28	E	Polished Brass
MFC30	F	Polished Stainless
MFC31	F	Brushed Stainless
MFC34	G	Polished Stainless
MFC35	G	Brushed Stainless
MFC38	H	Polished Stainless
MFC39	H	Brushed Stainless
MFCW10	I	Polished Stainless
MFCW11	I	Brushed Stainless
MFCW12	I	Polished Brass
MFCW14	J	Polished Stainless
MFCW15	J	Brushed Stainless
MFCW16	J	Polished Brass

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

CRL MALL FRONT CLAMPS



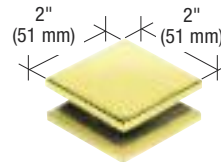
STYLE A

2" x 2" Square
Attaches with a Single
Beveled Female Nut



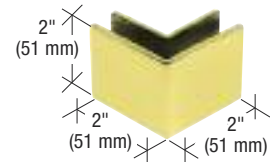
STYLE B

2" Diameter
Attaches with a Single
Beveled Female Nut



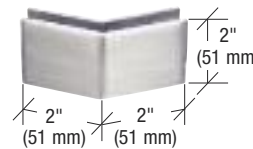
STYLE C

2" x 2" Square
Attaches with Two Oval
Head Phillips Screws



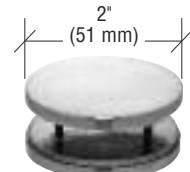
STYLE D

**2" x 2" Squares
90 Degrees**
Installs with CRL RTV408C Silicone



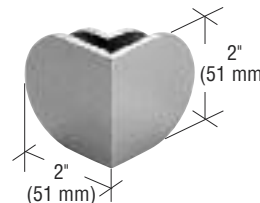
STYLE E

**2" x 2" Squares
135 Degrees**
Installs with CRL RTV408C Silicone



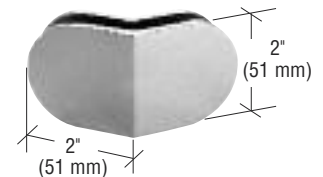
STYLE F

2" Diameter
Attaches with Two Screws



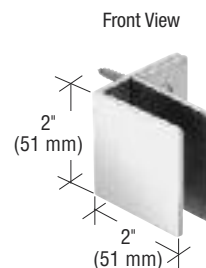
STYLE G

90 Degrees Round
Installs with CRL RTV408C Silicone



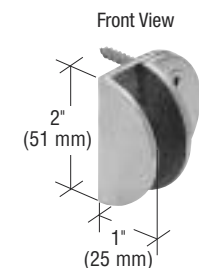
STYLE H

135 Degrees Round
Installs with CRL RTV408C Silicone



STYLE I

Wall Mount Square
Installs with Two Wood Screws
(Included)



STYLE J

Wall Mount Round
Installs with Two Wood Screws
(Included)

CRL MINI MALL FRONT CLAMPS



CAT. NO. MC112BN
Brushed Nickel Finish
Solid Brass



CAT. NO. MC112BR
Brass Finish
Solid Brass



CAT. NO. MC112CH
Chrome Finish
Solid Brass

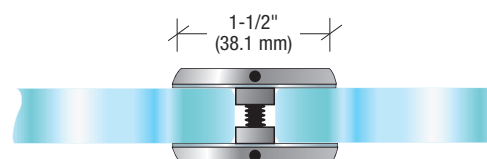


CAT. NO. MC112A
Satin Anodized
Aluminum



CAT. NO. MC112BL
Black Anodized
Aluminum

- Perfect for Joining Vertical Interior Panels of Heavy Glass in Malls
- For Use With 3/8" to 1/2" (10 to 12 mm) Tempered Glass
- Custom Finishes Available



CRL Mini Mall Front Clamps are used to join vertical glass panels. They make it more difficult to pinch fingers or clothing between glass panels. Mini Mall Clamps will work with 3/8" to 1/2" (10 to 12 mm) thick tempered glass, and are easy to install. The round cap is tightened by simply putting a 3/32" drill in the round hole in the beveled edge and turning.

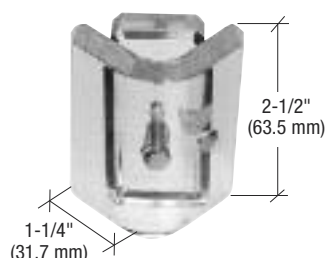
1-1/2" (38.1 mm) diameter Clamps are available with a solid brass construction in a choice of brushed nickel, brass or chrome finishes, or aluminum construction in a choice of satin anodized or black anodized finishes. Suggested minimum gap between panels is 1/4" (6 mm).

For custom finishes, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7720. You can also e-mail us through our web site at crlaurence.com. From the home page click on Contact Us, and then click on Technical Sales for Glass and Glazing Products.

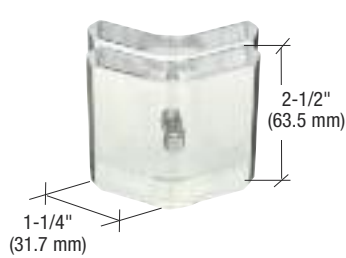
CAT. NO.	MATERIAL	FINISH
MC112BN	Solid Brass	Brushed Nickel
MC112BR	Solid Brass	Brass
MC112CH	Solid Brass	Chrome
MC112A	Aluminum	Satin Anodized
MC112BL	Aluminum	Black Anodized

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

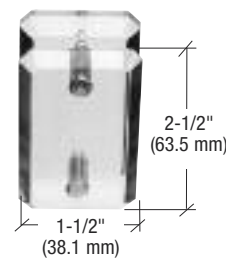
CRL CLEAR ACRYLIC MALL GLASS CLAMPS



CAT. NO. AMC90
90 Degrees



CAT. NO. AMC135
135 Degrees



CAT. NO. AMC180
180 Degrees



- Clear Acrylic Appearance Blends in With Glass
- For Use With 3/8" to 1/2" (10 to 12 mm) Tempered Glass

- Available in Three Styles
- Chrome Caps Hide Screws

CRL Clear Acrylic Mall Glass Clamps provide the perfect solution for heavy plate glass panels installed in mall fronts, and can be used for a variety of glass installations. The clear acrylic look blends in with the glass, making them almost invisible. A piece of vinyl tubing protects the glass from the #6-32 screw, and a chrome cap hides the screw after it has been installed.

CAT. NO.	MATERIAL	STYLE
AMC90	Clear Acrylic	90 Degree Angle
AMC135	Clear Acrylic	135 Degree Angle
AMC180	Clear Acrylic	180 Degree Angle

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



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