

CAT. NO. ST14

# FRAMELESS SHOWER DOOR PROFESSIONAL INSTALLATION TOOLS

Elegant, beautifully designed frameless shower enclosures such as these cannot become a reality without professional installers using state of the art tools and techniques. Many of the most successful tools have been designed by installers to make their work more foolproof and efficient. In this catalog you will see some of these imaginative ideas brought to production and shared with the trade by C.R Laurence.

Other tools are commonly integrated from one craft into another. Here we will show some of these multi-craft tools of which you may or may not be familiar. You will immediately understand the many ways these tools can make your job easier, more efficient, and more professional.



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# SPECIALTY INSTALLATION TOOLS

DESIGNED BY PROFESSIONALS FOR PROFESSIONALS

## CRL FRAMELESS ASSIST SHOWER DOOR PANEL CLAMP

- Holds Fixed Panels and Doors in Perfect Alignment
- Works With 3/8" to 1/2" (10 to 12 mm) Tempered Glass
- Clear Construction Keeps All Points Visible
- Adjustable for 90°, 180° or "T" Configurations

**NEW!**



The CRL Frameless Assist Shower Door Panel Clamps is another in a long line of tools developed by, and for, professional glaziers. This ingenious tool was invented by a detail-oriented CRL customer with a perfectionist's eye. It helps you maintain precise, even spacing in door to fixed panel assemblies, whether in 180° or 90° installations.

Tool arrives configured for 3/8" (10 mm) glass. Simply loosen the four rear knobs, insert the 1/8" (3 mm) spacer plate to change over to 1/2" (12 mm) glass. Use in conjunction with Cat. No. MAT1 kit (shown below), for the most precise panel installation ever. Each kit sold separately. Minimum order is one each.



CAT. NO. FA3W

## CRL MAGNETIC SHOWER INSTALLATION ALIGNMENT TOOL

- Provides Accurate, Consistent Gaps Between Doors and Panels
- Works With 3/8" to 1/2" (10 to 12 mm) Tempered Glass
- All Components Are Re-Usable

**NEW!**



Developed by a frameless shower door installer with exceptional concern for efficiency and detailed workmanship, the CRL Magnetic Shower Installation Alignment Tool can serve many other butt-glazed glass applications. The tool's two spacer assemblies, placed one at the top and one at the bottom, perform in two planes. First, it works vertically by use of the desired gap size running top to bottom. Secondly, it aligns the two panels horizontally. You can use it in conjunction with our new Frameless Assist Tool and our Super Shim Shower Door Levelers for even faster and more precise installations. Powerful neodymium rare earth magnets maintain the spacer's position. Kit includes a durable utility tool box that organizes all of the kit's components. Minimum order is one each.



CAT. NO. MAT1

## CRL SUPER SHIM SHOWER DOOR LEVELER

- Easily Adjustable Micro Leveling
- Eliminates Stacks of Wood or Plastic Shims
- Works With 3/8" to 1/2" (10 to 12 mm) Thick Tempered Glass Doors



**NEW!**



The CRL Super Shim Shower Door Leveler is a remarkably simple device that every shower door installer will want in their tool box. The Super Shim is a micro adjustment device which will lift and level any shower door, ensuring a precise alignment every time.

Use from the inside of the shower to adjust the door with hinges applied but not tightened. Adjust vertical and horizontal sightlines then tighten everything down for a perfect installation. SS2LW Wrench included. Minimum order is one pair.



CAT. NO. SS2L

# SPECIALTY INSTALLATION TOOLS

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## CRL FRAMELESS BLOCKS

- Use With 3/8" and 1/2" (10 mm and 12 mm) Thick Tempered Glass to Assist in Aligning and Leveling
- Can be Used to Stage Glass in a Room With All Tile/Stone Floors Prior to Installation
- Safely Set Your Door on the Threshold With a Positive Hold on the Bottom of the Glass
- Adjust the Door Height by Using Setting Blocks Inside the Bottom of the U-Shaped Frameless Block



CAT. NO.	FOR USE WITH
<b>FB38G</b>	3/8" (10 mm) Glass
<b>FB12G</b>	1/2" (12 mm) Glass

Minimum order: 1 set.

## CRL PERFECT REVEAL TOOL

- Establish and Maintain Perfect Reveal Depth
- Easy to Adjust
- Soft Grip Bottom Cushions
- Works for Doors and Fixed Panels



CAT. NO. PR2S



The CRL PR2S Perfect Reveal Tool is another glazier designed tool produced by CRL to further aid shower door craftsmen in perfecting their trade. The Perfect Reveal Tool allows the installer to preset and repeat the reveal depth for all panels in any frameless shower enclosure installation. Single knob allows vertical glass stop to be adjusted and set for correct depth. Dimensional scales are etched into the stainless steel body. Non-marring surface gripping cushions on bottom of tool protect the curb from metal body of the PR2S, and prevents movement or slippage. Sold in pairs. Minimum order is one pair.

## CRL "BEST FRIEND" SHOWER DOOR INSTALLATION ASSISTANT

- Replaces Second Man on Many Shower Door Installations
- Stabilizes Any Size Panel in a Vertical Position
- Works Inside or Outside of Enclosure
- Adjustable Length and Angles
- Includes Our S338 Vacuum Lifter

The CRL "Best Friend" Shower Door Installation Assistant works to stabilize and hold shower enclosure panels in place during set-up and installation, permitting a single glazier to perform the work of two. The extension tube length is adjustable from a minimum of 15" (381 mm) to a maximum length of 60" (1524 mm).



The CRL "Best Friend" Clamp Head provides a firm grip on the CRL S338 8" (203 mm) Vacuum Lifter, and the stand base can be stabilized as needed with the two included 10 pound (4.5 kg) sandbags. Minimum order is one each.

CAT. NO. SDBF1

## CRL FRAMELESS SHOWER SUPER KIT

- Convenient Kit Containing Everything Needed for a Professional Installation Includes:
  - PR2S Perfect Reveal Kit
  - FA3W Frameless Alignment Tool
  - SS2L Super Shim Set
  - UV282 Adjustable Suction Clamp
  - MAT1 Magnetic Alignment Kit
  - PLF1 Plumb/Level Gauge Set
  - GRT Drill Bits (1/4" and 3/16")



Minimum order is one each.

CAT. NO. FSSK1

# SPECIALTY INSTALLATION TOOLS

DESIGNED BY PROFESSIONALS FOR PROFESSIONALS

## CRL PLUMB PERFECT LEVEL TOOL

- Take "Out-of-Plumb" or Level Measurements Quick and Accurate
- No More Guessing With Standard Levels
- Stop Scrapping Glass That Doesn't Fit

The CRL Plumb Perfect Level Tool was invented by a glazier who was looking for an easy method of establishing the distance a wall is "out-of-plumb" from top to bottom. This figure is necessary for many types of glazier installations, specifically when laying out storefront and shower installations. CRL engineers took this idea, then redesigned and improved the original concept, resulting in the CRL Plumb Perfect. The end design is a simple, "one-person" tool that can be quickly extended to the correct height, trued to plumb, and then, with a twist of the scale locking knob, you can extend the scale to read the distance "out-of-plumb" the wall is from top to bottom.

The CRL Plumb Perfect is an expandable aluminum frame with a built-in level, and a calibrated steel scale which protrudes horizontally. The frame has a minimum height of 56" (1.4 m) and a maximum extended height of 96" (2.4 m) to fit most common install jobs. Minimum order is one each.



Long Extension Lock



Bubble Vial Level



Horizontal Scale



CAT. NO. PPL10

## CRL PLUMB/LEVEL FINDER GAUGES

- Use With Your Level to Determine "Out-of-Plumb"
- Five Individual Thickness Gauges

This handy set of CRL Plumb/Level Finder Gauges makes it simple to determine the amount or distance a wall or floor is "out-of-plumb" when using your bubble vial level. Set includes: 1/16", 1/8", 3/16", 1/4" and 3/8" (1.6, 3.2, 4.8, 6.4 and 9.5 mm) thick neoprene gauges. Simply hold the level tight against a horizontal or vertical surface. True the level and use the thickness gauges to determine the amount out of level or plumb the surface is at that point. You can combine gauges when necessary for gaps exceeding 3/8" (9.5 mm). Minimum order is one each.



CAT. NO. PLF1

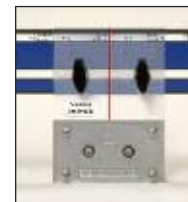
## CRL FRAMELESS HINGE JIG

- Helps With Rapid Mounting of Wall Hinge Plates
- Accurately Mark Hole Locations Without Mounting Hinges On Glass
- Includes Templates for CRL Geneva, Pinnacle, Cologne and Vienna Hinges

The Frameless Hinge Jig is the latest in a long line of "glazier inspired" tools that makes the installation of a wall mounted door more rapid and increases the accuracy of the hinge placement. The jig has been designed to accommodate many different hinge wall mount plate designs and, in doing so, acts as a template for marking the wall for drilling holes.

The current standard process for putting a frameless shower door into an opening involves mounting the hinges on the door glass, setting the glass into the opening, aligning the door to the right position and marking the wall through the holes in the wall mount plate. The door is then removed and the holes are drilled. At this point, most installers remove the hinges from the door and permanently fasten them to the wall. The Frameless Door Jig eliminates this arduous step and allows the installer to simply place the tool in the opening and mark the wall for drilling. The Frameless Door Jig comes equipped with a folding straight edge that supports two adjustable hinge plates used for marking the wall.

The installation steps are simple: Measure the location of the notches in the door glass. Measure from the bottom of the door glass to the center of the notches and make note of the dimensions. Add the clearance below the door (Usually 7/16" [11 mm]) to your dimensions. Select the correct drill jig and place it into the tool. Adjust the sliding jig locator to the correct dimensions previously noted. Stand the jig up in the opening and plumb the tool. Now simply mark the holes on the wall for the appropriate hinge you are using. Drill the holes and mount the hinges to the wall, and hang your door.



NEW!

CAT. NO. FHJ1

# SPECIALTY INSTALLATION TOOLS

USED BY PROFESSIONALS FOR PROFESSIONAL RESULTS

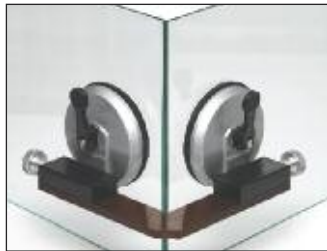
## CRL 90 DEGREE SUCTION HOLDERS

- Suction Cups Hold Glass Firmly in Place While Adhesive Cures
- Holds Glass Pieces at 90 Degrees
- Perfect for Frameless Shower Installations

These CRL 90 Degree Suction Holders grip glass on the inside surfaces at a fixed 90 degree angle. Height and position can be adjusted up to 11/16" (18 mm) by knobs located on each arm for precise UV adhesive application. Glass pieces are held firmly in place by rubber suction cups measuring 4-3/4" (120 mm) diameter until they are bonded. Minimum order is one each.



CAT. NO. UV280  
Inside Surface Holder



CAT. NO. UV281  
Outside Surface Holder

## CRL ADJUSTABLE ANGLE SUCTION HOLDER

- Holds Glass Pieces From Inside or Outside Surface While Adhesive Cures
- Adjustable Between 40 and 300 Degrees

This CRL Adjustable Angle Suction Holder grips glass from outside or inside surfaces, and can be fixed at a desired angle of 40 to 300 degrees. Height and position can be adjusted up to 11/16" (18 mm) by knobs located on each arm. Glass is held firmly in place with 4-3/4" (120 mm) diameter rubber suction pads until the surfaces are firmly bonded. Minimum order is one each.



CAT. NO. UV282

## CRL 90 DEGREE CLAMP-IT® ASSEMBLY SQUARE KITS

- Holds Glass Pieces at Fixed 90 Degree Angle
- Cost-Effective Method for Holding Tempered Glass Surfaces in Place

These CRL 90 Degree Clamp-It® Assembly Square Kits allow you to align, hold, and clamp glass securely in place while bonding with UV or silicone adhesives. Both six-piece Kits come complete with two assembly squares and four steel bar clamps. The squares are manufactured from high-impact, rigid polycarbonate to ensure strength and accuracy. The steel bar clamps feature an ergonomic handle with a friction fit for quick and easy one-handed operation. Two Kits to choose from.



CAT. NO. UV69954  
Clamp-It® Kit



CAT. NO. UV69962  
Mini Clamp-It® Kit

CAT. NO.	SQUARE SIZE	BAR CLAMP SIZE	BAR CLAMP THROAT DEPTH
UV69954	8" x 8" x 1-1/2" (203 x 203 x 38 mm)	5" (127 mm)	3/4" (19 mm)
UV69962	4" x 4" x 1-1/4" (102 x 102 x 32 mm)	4" (122 mm)	3/4" (19 mm)

Minimum order: 1 each.

## CRL ELECTRONIC LEVEL AND ANGLE LOCATER WITH DIGITAL DISPLAY



CAT. NO. 406065

- Front Laser Beam for Quick Transference of Reference Points
- LCD Screen Automatically Inverts for Overhead Measurements
- LCD Displays Level or Angle
- Audible Indicator for Both 0 and 90 Degrees

The CRL Electronic Level is the most advanced Level and Angle Finder in the industry. The bright and clear LCD indicator shows both degrees of level or percent of level; at the same time when the pivot arm is lifted the indicator reads degrees of angle. When turned upside down to determine the level of a header or overhead beam, the LCD screen automatically inverts right-side-up for easy reading. There is a powerful built-in laser, which makes transference of level points a snap. It also features an audible tone when the unit is in perfect level or plumb. Unit is easily field calibrated for level, and the entire tool operates on just 3 "AA" batteries (included). Minimum order is one each.

# SPECIALTY INSTALLATION TOOLS

USED BY PROFESSIONALS FOR PROFESSIONAL RESULTS

## CRL POINT AND LINE LASER TOOLS

- Establish Plumb Level and Square
- 3 Point, 5 Point, and Continuous Line Models
- Self Leveling
- 1/4"-20 Tripod Mount



CAT. NO. PLS3

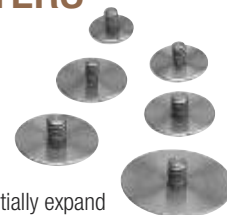
CAT. NO. PLS5

CAT. NO. PLS180

This CRL PLS Laser Series represent the finest in laser technology for the shower door professional. The three point PLS3 gives you vertical plumb and square to plumb line. The five point PLS5 provides vertical plumb points as well as horizontal square points front, left, and right. The PLS180 emits a solid line vertically or horizontally, or both at the same time. All three units are self-leveling and the lights shut down once the tool is tipped 6 to 8 degrees off level. Each has a 1/4"-20 threaded socket built into the bottom of the housing for use with any common camera tripod. The PLS180 is especially useful when laying out the bathroom mirrors as well as the shower enclosure: no need for marks on the wall of the subjective reading of a bubble level. Just measure to the red line in each quadrant. Minimum order is one each.

## CRL UV THREADED ADAPTERS

- Available in Three Popular Thread Sizes
- UV Glue Standoffs, Knobs, Pulls, Towel Bars to Glass Without Drilling Holes
- Fabricated From 316 Stainless Steel



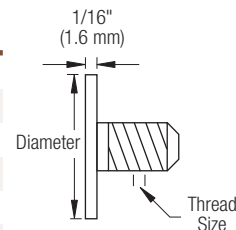
CRL's new UV Threaded Adapters will not only substantially expand your UV business and glass hardware opportunities, but will also save glass fabrication time and expense. Use the Adapters to install glass signage using standoff bases, knobs for glass door cabinets or showers, towel bars or handles without drilling holes. Quickly and easily mount hardware in either new construction or existing installations using CRL's large selection of compatible hardware and UV adhesives, curing lamps, fixation devices, and cleaning supplies.

UV Adapters are available in six different diameters and three thread sizes to accommodate almost any requirement. UV Adapters have a bonding plate thickness of 1/16" (1.6 mm). For additional information regarding hardware that can be used with our UV Adapter, contact CRL Glass and Glazing Technical Sales.



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.



## CRL UV703 HIGH VISCOSITY UV ADHESIVE

- Use to Adhere All-Glass Showcases, Shelves, Furniture, Handles, Towel Bars, and Standoff Bases
- Optically Clear
- Fast High Strength Bonds



CRL UV703 is ideal for making all-glass showcases, glass shelves, and glass furniture. This adhesive does not have capillary properties, therefore it must be applied to the bonding surface prior to assembling the parts. Ideal for bonding Glass Door Knobs or Metal Towel Bars in frameless shower door installations.

Bonds prepared with CRL UV703 are optically clear as well as resistant to moisture and yellowing. The speed of cure depends on the UV intensity as measured at the product surface, as well as the adhesive depth. CRL UV703 has outstanding ability to cure through large gaps, and cures to a hard surface that is transparent. Store adhesive away from sunlight.



CAT. NO.	DESCRIPTION	CONTENTS
UV70330	High Viscosity UV Adhesive	30g
UV70310	High Viscosity UV Adhesive	100g
UV70325	High Viscosity UV Adhesive	250g
UV7031K	High Viscosity UV Adhesive	1000g

Minimum order: 1 each.



## CRL THIRD HAND FIXATION DEVICE

- 4-1/2" (114 mm) Vacuum Cup
- Adjustable Clamp Bar
- Dual Threaded Screw Clamps



CAT. NO. UV91111

The CRL Third Hand Fixation Device is the perfect solution for applying the pressure needed to bond UV and shower door hardware in place during heating and curing. The adjustable steel sliding bracket allows for precise positioning of clamp tips over your hardware. The clamp screws can accommodate knobs or bars exceeding 2" (51 mm) in height. Simply attach the 4-1/2" (114 mm) pump action vacuum cup within 2" or 3" (51 to 76 mm) of the hardware mounting point, adjust the clamp bar to center a clamp tip over the hardware, and screw one of the clamps down to secure the hardware in place. For added pressure when working with higher viscosity adhesives, lower the second clamp tip down onto the surface and tighten. Using the vacuum cup as a fulcrum in this way helps to force air bubbles out of adhesive and create the tightest possible gap to enhance adhesive performance. Minimum order is one each.

# CRL FRAMELESS SHOWER DOOR

## INSTALLATION TOOLS AND SUPPLIES

### CRL ARMORED® CORNER PROTECTORS

- Economical, Reusable Corners Absorb Impact When Glass is Bumped or Dropped
- A Small Investment Can Save Expensive Glass and Help Prevent Costly Accidents

Glass fabricators, shower door installers, glazing contractors, and anyone handling glass panels can worry less about glass breakage using our new CRL Armored Corner Protectors. These uniquely designed corners can absorb impacts during transport. The Corner's heel offers the maximum impact protection while the interior surfaces channel away impact energy from the surface of the glass. Cut-outs formed on the corner's edge allow strap or tie-down fastening. Minimum order is 12 each.



### CRL HAND HELD VACUUM CUPS

- Pump-Up or Lever Activated in Many Convenient Sizes
- Metal Handles or Lightweight Plastic
- Variety of Capacities



CAT. NO. S7950



CAT. NO. S108



CAT. NO. S338



CAT. NO. S0563



CAT. NO. O5062P



CAT. NO. S550

SEE CATALOG CRL73, PAGES K202 TO K223 FOR OUR COMPLETE HAND CUP SELECTION.

### CRL 33S CLEAR SILICONE SEALANT

- Our Most Popular Sealant
- Plastic Cartridges with Screw-On Nozzles
- Available in Eight Colors
- 24 Month Shelf Life
- 10 Year Limited Warranty
- 30 Tubes Per Case



CAT. NO. 33SMRC  
Mildew Resistant Clear  
10.3 Fluid Ounce Cartridge

### CRL WATER CLEAR SILICONE SEALANT

- Optically Clear When Cured
- Applications Include Shower Enclosures and Specialty Glass Assemblies
- Water Clear Formulation for Sealing Glass-to-Glass, Glass-to-Tile, and Glass to U-Channel



CAT. NO. WCS1  
10.3 Fluid Ounce Cartridge

### CRL BLUE MASKING AND SECURING TAPE

- Blue Crepe Paper Tape Leaves No Adhesive Residue for Up to Seven Days
- Built-In UV Stability
- Ideal for Masking Tooled Silicone Joints
- Available in Four Widths



CAT. NO.	WIDTH	ROLL LENGTH	ROLLS/CASE
BL9934	3/4" (19 mm)	180' (54.8 m)	48
BL991	1" (25.4 mm)	180' (54.8 m)	36
BL99112	1-1/2" (38.1 mm)	180' (54.8 m)	24
BL992	2" (50.8 mm)	180' (54.8 m)	24

Minimum order: 1 roll. All Masking Tape can be combined for quantity pricing.

# DON'T FORGET THE DETAILS!

## INSTALLATION TOOLS AND SUPPLIES

### CRL CLEAR PLASTIC SETTING BLOCKS

- 1/4" (6.4 mm) Wide By 2" (54 mm) Long
- Five Thicknesses
- 80 ± Durometer Hardness



CAT. NO.	THICKNESS
<b>PSB040</b>	.040" (1 mm)
<b>PSB125</b>	1/8" (3.2 mm)
<b>PSB156</b>	5/32" (4 mm)
<b>PSB250</b>	1/4" (6.4 mm)
<b>PSB375</b>	3/8" (9.5 mm)

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

### CRL SINGLE EDGE RAZOR BLADES



**CAT. NO. 51S**

100 Blades Per Box



Minimum order: 100 each.

### CRL GROO-V® TIP GRANITE, MARBLE, AND TILE DRILL BITS

- Very Popular Bits Especially Suited for Drilling Marble and Granite
- Made for Use With Rotary and Hammer Drills Only



Groo-V® Carbide Tip

CAT. NO.	DIAMETER	LENGTH	SHANK
<b>GRT18</b>	1/8"	3" (76 mm)	7/64"
<b>GRT316</b>	3/16"	3" (76 mm)	11/64"
<b>GRT14</b>	1/4"	4" (102 mm)	15/64"
<b>GRT38</b>	3/8"	5" (127 mm)	11/32"

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

### CRL GLASS HANDLING GLOVES

- Rubber Palm - Smooth or Wrinkled
- Nitrile Covered Kevlar or Cotton
- Mechanics and Specialty Gloves



CAT. NO. 12

CAT. NO. KF1TL

CAT. NO. 63PNFW

CAT. NO. 350L

SEE CATALOG CRL73, PAGES K264 TO K271 FOR OUR COMPLETE SELECTION OF GLOVES AND OTHER HAND PROTECTION.

### CRL TAPERED WOOD COMPOSITE SHIMS

- New Technology in Wood Shims
- Snaps Four Times Easier and Cleaner Than Traditional Wood
- 35% Better Load Support Than Traditional Wood



CAT. NO.	TYPE	SHIMS/CARTON
<b>NWCS8</b>	Wood Composite	32
<b>BWCS8</b>	Bulk Wood Composite	288

Minimum order: 1 carton. Can be combined with other shims for quantity pricing.

### CRL FRAMELESS SHOWER DOOR GUIDE

- A Comprehensive Reference Manual and Training Tool
- Covers Design and Proper Hardware Selection, Fabrication, and Glass Sizing
- Contains Installation Instructions and a Complete Set of Cut-Out Templates
- Used as the Basis for Our Revolutionary Showers Online Program

Our Frameless Shower Door Guide is a comprehensive manual for constructing the modern frameless shower enclosure. The sections contain all necessary information to prepare your glass for the installation of Shower Door Hinges, Clamps, Towel Bars, Knobs, and other accessories. SDT21 is set up to take you from the design and planning stage, all the way through fabrication, glass sizing, and installation. It is so comprehensive that it is used as the basis of information loaded into our revolutionary Showers Online Design and Glass Sizing Program.

SDT21 contains all template information, and a number of sample diagrams and drawings to illustrate the many phases of frameless shower enclosures. Design considerations, avoiding potential installation problems, and many other tips will make this book valuable to both the novice and the experienced installer. The SDT21 Guide from CRL is a vital piece of literature to add to your shower door publications.



CAT. NO. SDT21