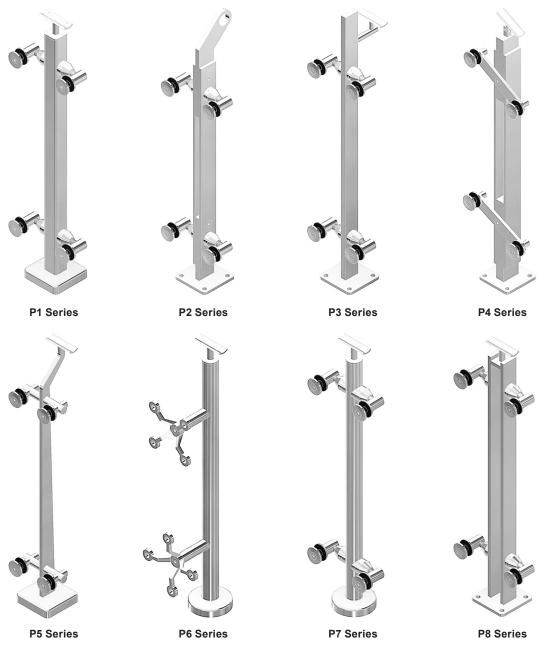
INSTALLATION INSTRUCTIONS

CRL P-SERIES STAINLESS STEEL POST GLASS RAILING SYSTEM



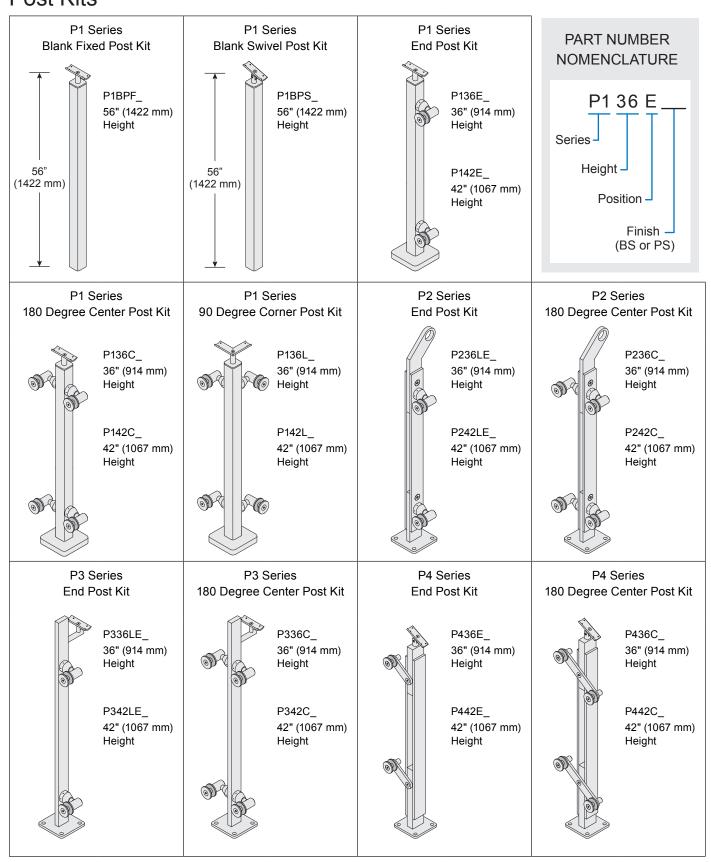


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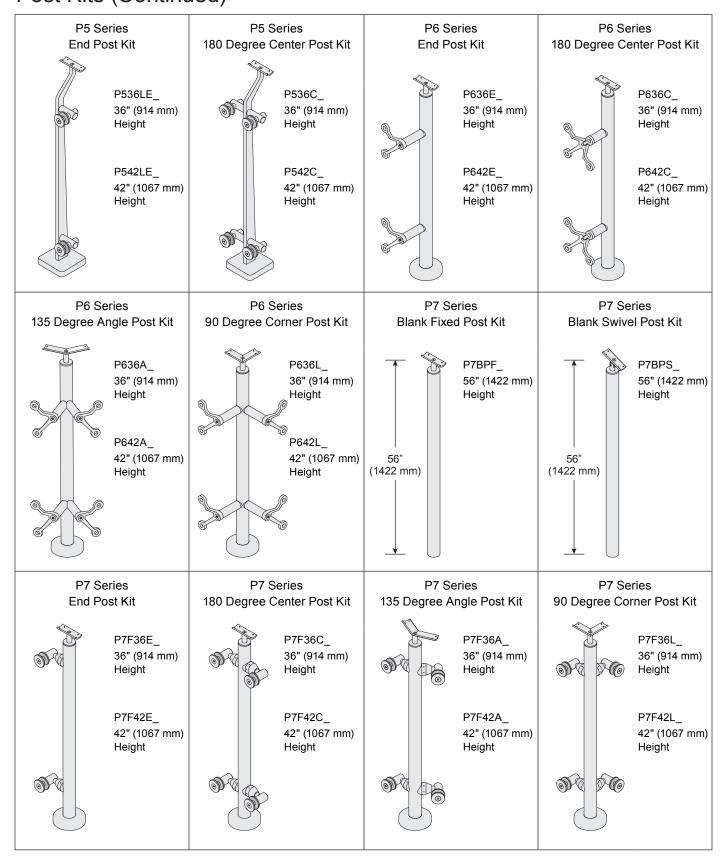
Email: railings@crlaurence.com

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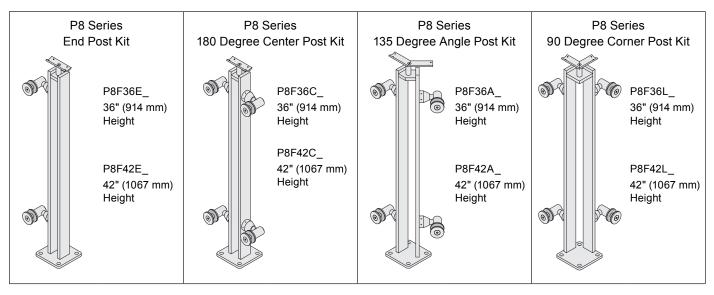
PARTS LIST Post Kits



PARTS LIST (CONTINUED) Post Kits (Continued)



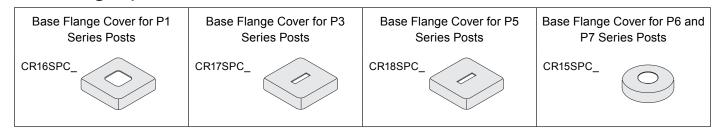
PARTS LIST (CONTINUED) Post Kits (Continued)



Railing Options

1-1/4" (32 mm) Schedule 40 Pipe Railing Tubing	1-1/2" (38 mm) Schedule 40 Pipe Rail Tubing 1.9" O.D.	1-1/2" (38 mm) Diameter Hand Railing Tubing 1.5" (38 mm) O.D.	2" (51 mm) Square Outside Diameter Pipe Tubing
PR12_	PR15_	HRH15_	PR2_
Splice Connector for 1-1/4" (32 mm) Schedule 40 Pipe Railing Tubing	Splice Connector for 1-1/2" (38 mm) Schedule 40 Pipe Rail Tubing	Splice Connector for 1-1/2" (38 mm) Diameter Hand Railing Tubing	Splice Connector for 2" (51 mm) Square Pipe Railing Tubing
PR16CSS	PR19CSS	GR15CSS	PR20CSS
1-1/4" (32 mm) Schedule 40 End Cap	1-1/2" (38 mm) Schedule 40 End Cap	1-1/2" (38 mm) Diameter Hand Railing End Cap	2" (51 mm) Square End Cap
PR12EC_	PR15EC_	HRH15EC_	PRS2EC_

Mounting Options and Accessories

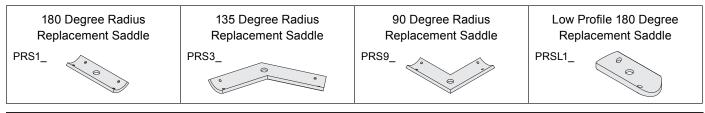


PARTS LIST (CONTINUED)

Mounting Options and Accessories (Continued)

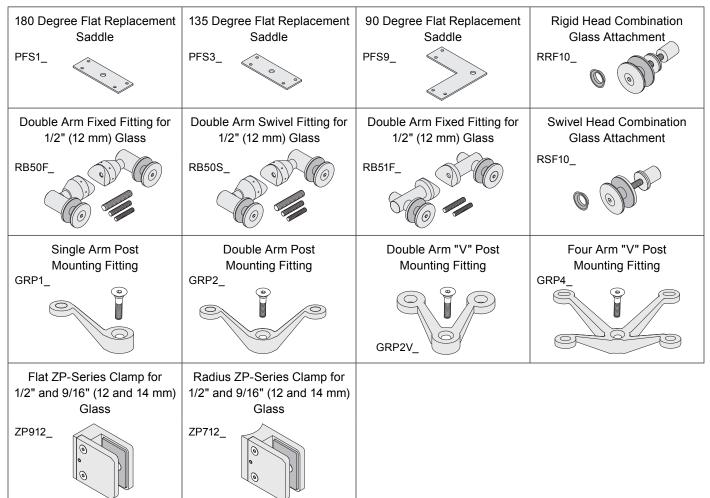
2" (51 mm) Square Standard Fascia Mount Bracket	2" (51 mm) Square Outside Corner Fascia Mount Bracket	2" (51 mm) Square Inside Corner Fascia Mount Bracket	P1 Series Post Surface Mount Stanchion
CR2FB_	CR20FB_	CR21FB_	P1BFS
1-1/2" (38 mm) CRS Standard Fascia Mount Bracket	1-1/2" (38 mm) CRS Outside Corner Fascia Mount Bracket	1-1/2" (38 mm) CRS Inside Corner Fascia Mount Bracket	P6 and P7 Series Post Surface Mount Stanchion
CR15FB_	CR150FB_	CR151FB_	P7BFS
2" (51 mm) Square Post P-Series 180 Degree Fixed Standoff Saddle	2" (51 mm) Square Post P-Series 90 Degree Fixed Standoff Saddle	2" (51 mm) Square Post P-Series 180 Degree Fixed Standoff Saddle	P1 Series Top Post Cap
P1FS_	P1F9_	P1FS_	P1CAP_
1.9" (48 mm) Round Post P-Series 180 Degree Fixed Standoff Saddle	1.9" (48 mm) Round Post P-Series 90 Degree Fixed Standoff Saddle	1.9" (48 mm) Round Post P-Series Swivel Standoff Saddle	P6 and P7 Series Top Post Cap
P7FS_	P7F9_	P75S_	P7CAP_
P1 Series Vertically Adjustable Post Cap	P1 Series Vertically Adjustable Post Cap Swivel Head	P7 Series Vertically Adjustable Post Cap	P7 Series Vertically Adjustable Post Cap Swivel Head
P1VF_ *	P1VS_ *	P7VF_ *	P7VS_

* NOTE: Apply 81120 to Stand-off Threads on Adjustable Post Caps during installation.



PARTS LIST (CONTINUED)

Mounting Options and Accessories (Continued)



Fasteners

Stainless Steel #10-32 x 3/4" Undercut Flat Phillips Top Rail Connecting Screw PRS1032TC	Z - Clamp Bolt 3/8" - 16 x 5/8" ZB0LT38	Stainless Steel 1/2-13 x 3/4" Socket Head Cap Screw SHCS12X34	3/8" x 3-1/2" Lag Bolt
3/8" x 6" Lag Bolt	3/8" x 4" Carbon Steel Kwik HUS-EZ Anchor	M8 3-7/8" Long HSL-3 Expansion Anchor EBA334	Kwik Bolt Carbon Steel TZ 3/8" x 3-3/4" Concrete Expansion Anchor CA38X334
Kwik Bolt TZ 304 Stainless Steel 3/8" x 3-3/4" Concrete Expansion Anchor CA38X334SS			



IMPORTANT: READ THIS MANUAL THOROUGHLY BEFORE BEGINNING INSTALLATION

SYSTEM LIMITATIONS

Maximum Spacing Between Posts

Steel Mounted: 60" (1524 mm) On Center

Wood or Concrete Mounted: 48" (1219 mm) On Center

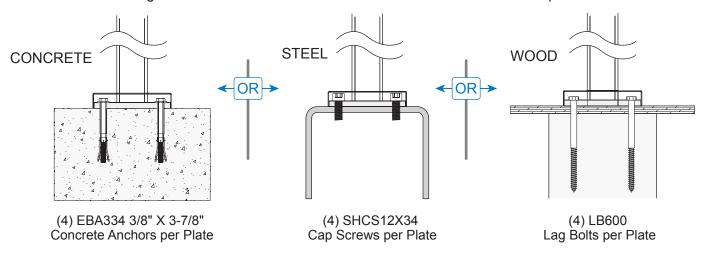
ORDER OF ASSEMBLY AND INSTALLATION

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POST MOUNTING OPTIONS Core Mount Optional Cover Fill with Anchor Cement Finished Floor (102 mm) Recommended Embedment Depth

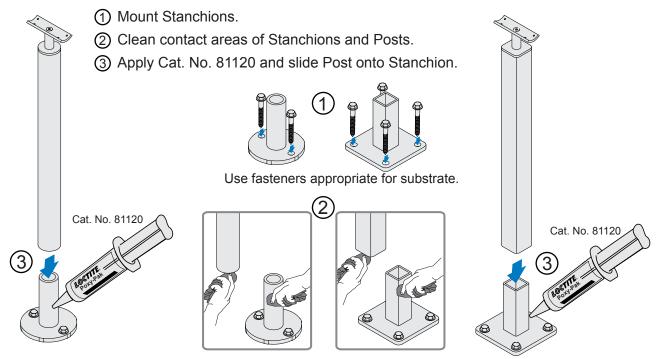
Base Mount

NOTE: When mounting Series P-6 and P-7 to wood be sure to use a four-hole base plate.



Stanchion Mount: For P1, P6, and P7 Series Posts Only

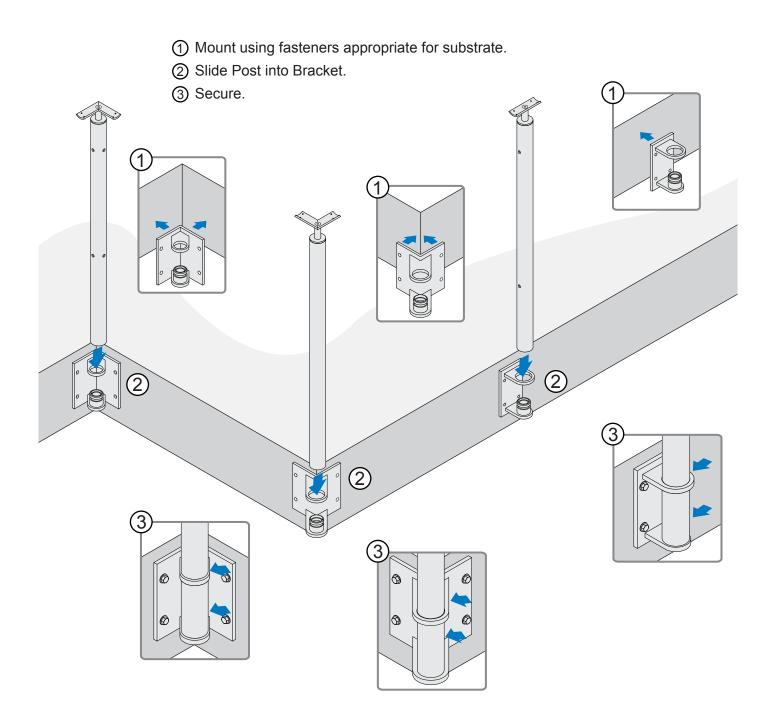
Follow Base Mount details above to determine proper fasteners for Stanchion Mounts.



POST MOUNTING OPTIONS (CONTINUED)

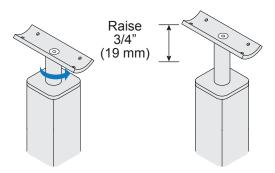
Fascia Mount: For P1, P6, and P7 Series Posts Only

NOTE: P2, P3, P4, P5, and P8 Post Kits require double posts at corners.

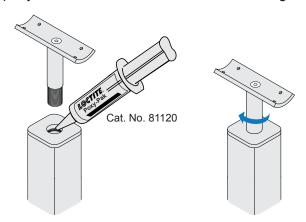


SADDLE HEIGHT ADJUSTMENT

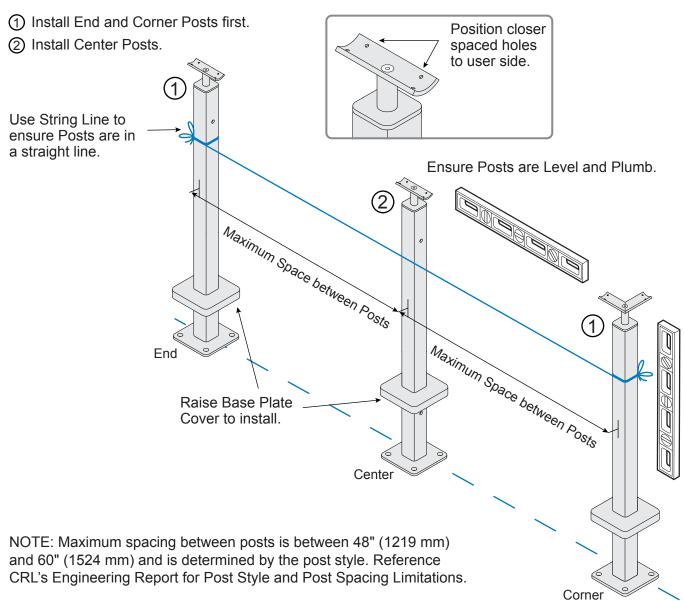
Turn Stem counter-clockwise to raise Saddle up to 3/4" (19 mm) higher.



NOTE: For added security, remove Stem and apply epoxy to threads. Then screw to desired height.



POST INSTALLATION



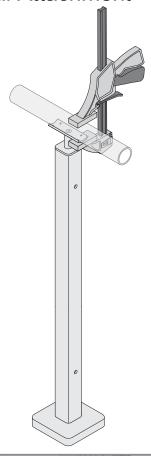
TOP RAIL INSTALLATION

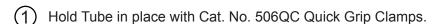
Dry fit the rail before installing.

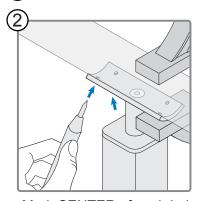
Splice Sleeve Installation



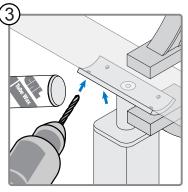
Rail Attachment



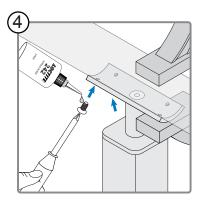




Mark CENTER of each hole.



Apply Tube Wax and drill pilot hole using #21 drill bit at each hole in saddle.



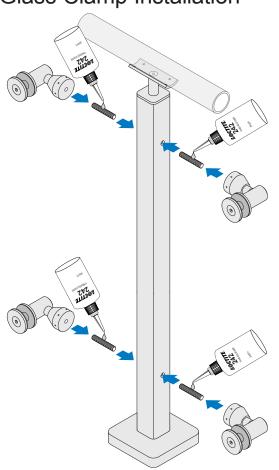
Use Cat. No. PRS1032TC self tapping screws with Cat. No. 24231 to secure.

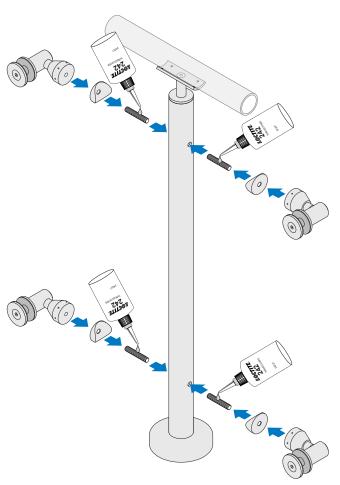


^{*}b Loctite® is recommended on all screw threads during final assembly.

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GLASS INSTALLATION Glass Clamp Installation





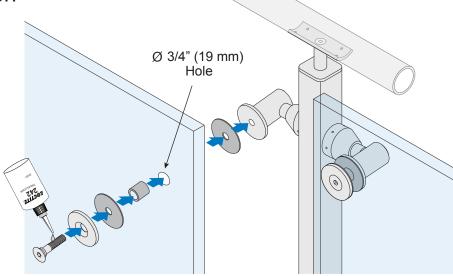
Use curved adapter to mount to round posts.

Glass Fabrication for RB50 and RB51 Fittings

3/4" (19 mm) diameter hole Required for RB50 and RB51 Fittings.

Glass Panel Installation

Disassemble Glass Clamps to



* Loctite® is recommended on all screw threads during final assembly.

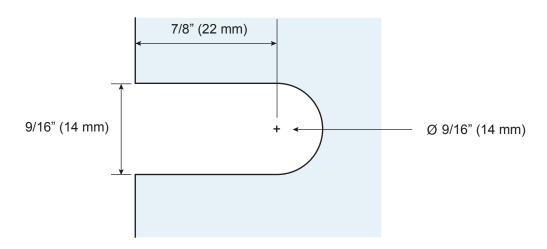
CRL

install glass.

ZP-SERIES CLAMP INSTALLATION Glass Fabrication for ZP-Series Clamps

For use with 1/2" (12 mm) or 9/16" (14 mm) Glass.

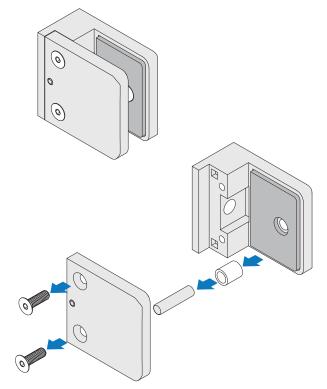
Finger slot glass fabrication required at each clamp location.



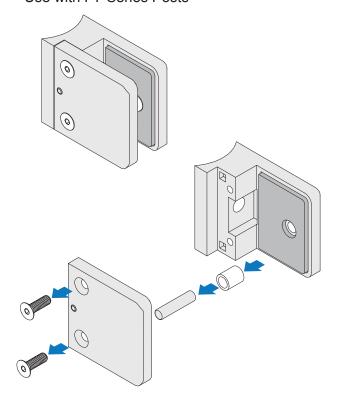
ZP-Series Clamp Preparation

Disassemble ZP-Series Clamp and place small parts in safe place.

ZP912_ Clamp Use with P1, P2, P3, and P8 Series Posts

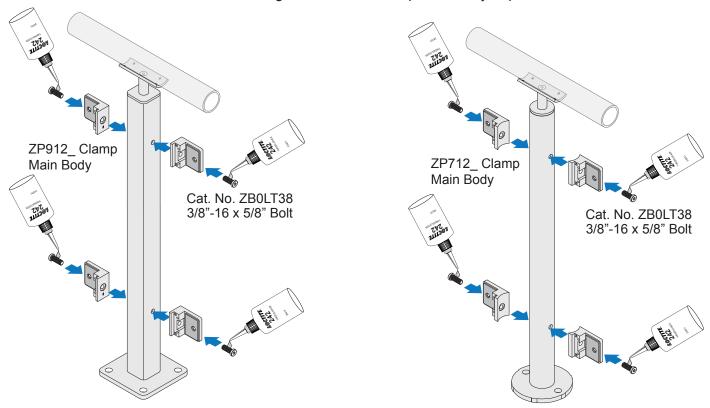


ZP712_ Clamp Use with P7 Series Posts

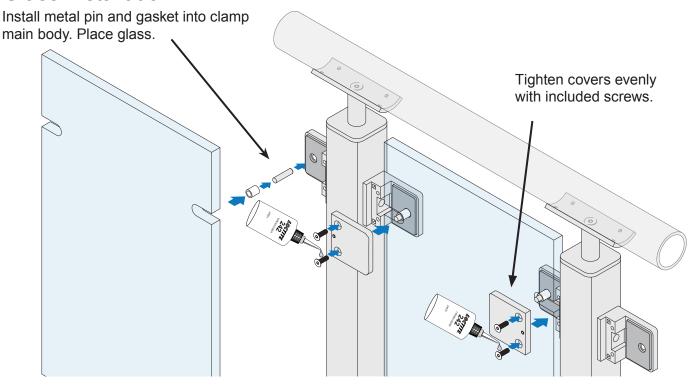


ZP-SERIES CLAMP INSTALLATION (CONTINUED) Attachment to Post

Use Cat. No. ZB0LT38 3/8"-16 X 5/8" Long Bolt to attach clamp main body to posts.



Glass Installation



* Loctite® is recommended on all screw threads during final assembly.

This concludes the Installation Documentation for your product. For further information please contact us at:

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