

Window Installation Time Comparison



Test times rounded to closest hour. Actual times were 45 minutes for Quickclamp, 5.5 to 7.5 hours for weld-in and 4.0 to 4.5 hours for bolt-in.

Much faster installation

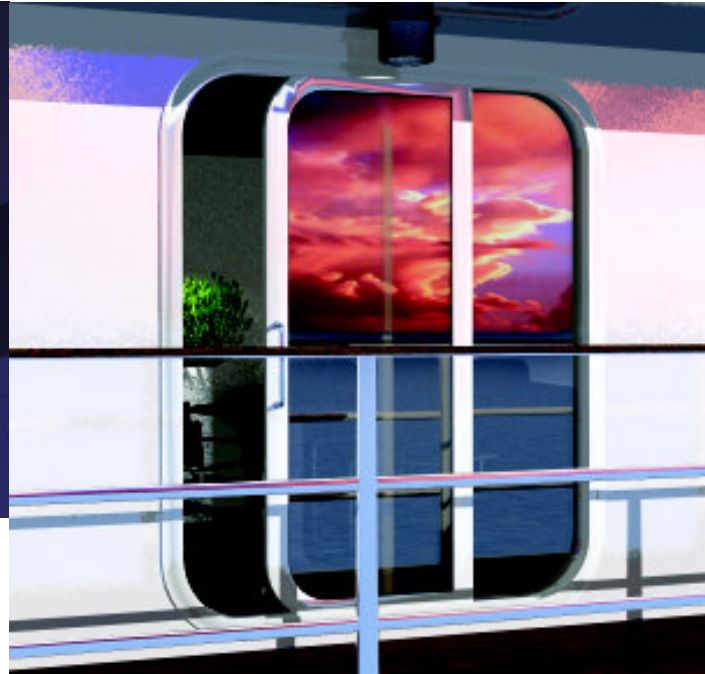
- Simply fit into bulkhead and tighten the pre-fitted clamp ring
- Installation labor is reduced by approximately 80%
- Install complete finished windows in 30 to 60 minutes
- Complete and fully painted units that are easy to install
- No complex welding skills needed for installation
- No hole patterns to match or drill
- Reduces problems with shell plate-weld seams
- Avoids problems with aperture and hole pattern errors

Easier and safer installation

- Installation can be performed from the interior of the vessel
- All fastening is accomplished from the interior of the vessel
- Work is done in a dry, clean and safe environment
- Exterior landings and tarps are not affected

Many inherent design advantages

- Superior finish and design esthetics
- No visible fasteners on outside of window
- Optional hidden fasteners on inside of window
- Significantly reduces annual maintenance
- Sloped sills to avoid water buildup and staining
- Install isolated aluminum frames in steel structures
- Substantial weight savings with aluminum frames
- Eliminates burnt out glazing seals with weld-in windows
- Eliminates shell plate distortion and fatigue of weld-in windows



PCM Quickclamp technology lets you install completely finished high quality doors, windows and hatches MUCH faster than any other method. Your projects will be more profitable, look better and require less maintenance over the long term.

Pacific Coast Marine began building its reputation over 20 years ago by supplying rugged and very high quality marine closures for the North Pacific and world wide work boat fleets. PCM now is the largest supplier of high quality marine doors, windows and hatches in the world. Applications include megayachts, cruise ships, ocean tugs, ocean crew boats, offshore oil platforms, military vessels, fast ferries and merchant ships. PCM is trusted technology, tested at sea.



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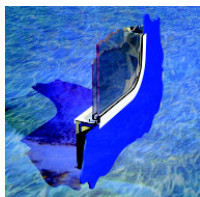
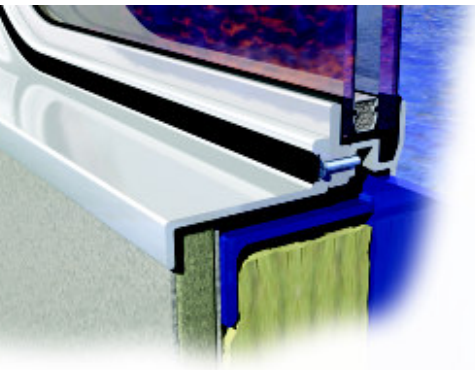
QUICK CLAMP DESIGNER: LANGDON YLONEN



QUICKCLAMP

Superior time-saving marine door, window and hatch technology for one installation or thousands...



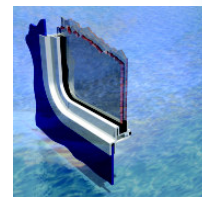


Late assembly Quickclamp windows, doors and hatches are designed to be installed over the interior detail of the project.

This allows you to complete most of the areas around the openings and avoid construction damage to the finished windows or doors.

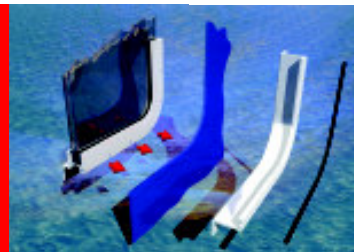
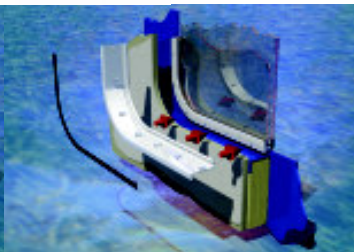
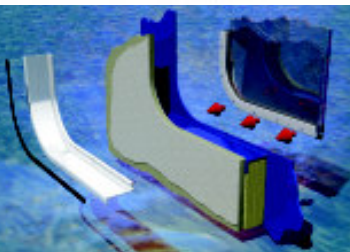
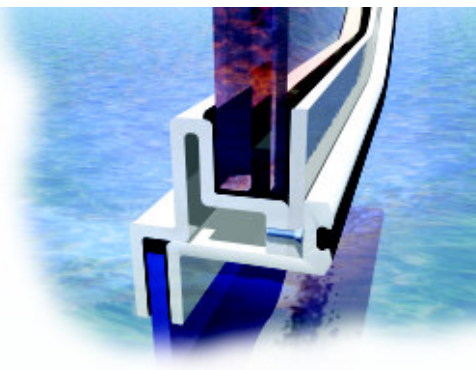


Big help for your big projects



Early assembly Quickclamp windows, doors and hatches are designed to be installed on the initial structure of the project.

This allows you to seal off the interior of the project and protect the finish work being done.

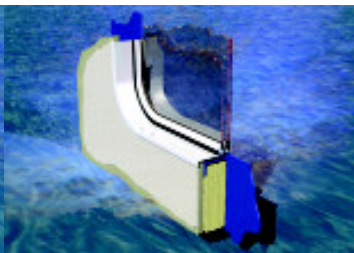
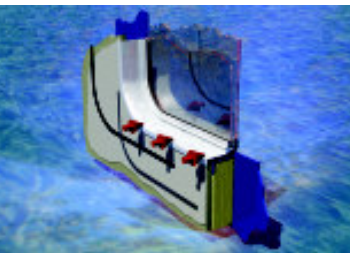


Step 1: Install the window in the shell plate opening and seal it.

Step 2: Install the clamp ring and tighten all fasteners.

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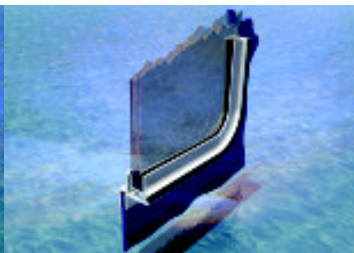
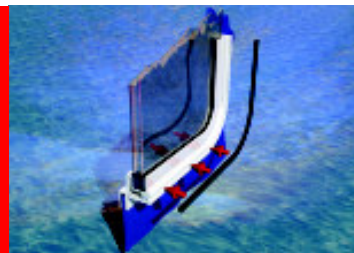


More installation freedom
 Two versatile designs allow early or late installation
 Installation sequence can be tailored to your exact requirements
 Install early to create an enclosed interior environment
 Install later to protect the window system and trim
 Can be installed after all welding, burning and painting are finished
 Clamp ring can be the finish trim for interior joiner work

Superior long term performance
 Clamp-in windows eliminate all exterior fasteners
 Overcomes the basic problems of through-bolt sealing
 Eliminates leaks and rust stains that occur with many bolt-in windows
 No need to remove interior joiner work to remove windows
 Proven in large cruise ships, fast ferries, megayachts & work boats

Options
 Custom designs to suit your project
 Single or double pane glazing
 Many glass thickness, tint and insulation options are available
 Anodized, plated, powder coated or painted finishes
 Radius or mitered corners on steel or aluminum frames

Accepted by
 United States Coast Guard & American Bureau of Shipping
 Det Norske Veritas & Lloyds Register of Shipping
 State of Alaska DOT, Alaska Marine Highway
 Washington State DOT, Washington State Ferries
 Available in non rated and A-0 fire rated
 IMO A.754(18) to comply with SOLAS regulations



Step 3: Install the decorative moulding in the clamp ring.

Step 4: Done! You have installed a fully finished window!

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