

Different vessels require different degrees of protection from the elements. FREEMAN MARINE provides a variety of COASTAL MOTION standard duty window styles that fulfill virtually all requirements.

Freeman Marine COASTAL MOTION windows for leisure yachts and commercial boats are custom built to meet your specific requirements.

When you need easy-to-install, fixed and sliding, clamp-grip style windows designed to endure saltwater conditions, look to Freeman to supply windows that meet your exact specifications.



Freeman Marine COASTAL MOTION windows, available with single pane, insulated glass or electrically heated glass, are custom built with either radius or mitered (square) corners.

Standard finishes for Freeman Marine COASTAL MOTION windows are anodized black or anodized clear (silver) marine grade aluminum. Powder coat finish is available for a modest up charge; standard colors are: black, white, light gray or almond. Custom colors are available at extra cost.

Freeman Marine COASTAL MOTION windows can be fabricated in shapes ranging from rectangles, single and double slopes, squares, parallelograms, and circles.

Glass tints range from clear, Solex (green), solar bronze, solar gray, solar cool bronze (mirror finish) and 14% dark gray and obscure-P516.

Other choices such as direction of slide, thickness of glass, and alternative mounting methods can be specified. The design of a marine window is limited only by your imagination.

See series and style details on reverse side

Freeman Marine evaluates each customer's requirements with a wealth of experience for specifying shipset closures that provide security at sea. Motion Windows fabricates their custom sized and shaped windows to an unparalleled level of quality. Call Freeman Marine for your complete shipset – Freeman Marine doors, hatches and portlights, and COASTAL MOTION windows... all conveniently available only from Freeman Marine.

COASTAL MOTION WINDOWS - 5000 SERIES

- Ideal for both New and Refit Applications
- Custom Sized and Shaped to Meet Individual Specifications
- Fixed & Sliding Configurations
- Pilot House, Salon, Windshield and Side Windows
 - Patrol & Security Craft
 - Motoryachts and Sailing Yachts
 - Commercial Fishing Boats
 - Utility Vessels

STYLES:

- **1200 SERIES** - Specified when shipset includes both fixed and sliding windows.
- **1250 SERIES** - The 1250-series is a stationary (fixed) clamp ring window designed specifically for marine applications with 3/8" or 1/2" glazing requirements including heated glass.
- **1275 SERIES** - The 1275-series is a top hinged clamp ring window designed specifically for marine applications used primarily in forward facing applications where ventilation is required.
- **1600 SERIES** - Often chosen when shipset is for fixed windows only as glass may be replaced without removing frame from mounting location.
- **1800 SERIES** - Incorporate dual pane insulated glass providing superior insulation, minimal air and wind intrusion, reduced condensation, and noise reduction. Manufactured with solid tempered glass, true double seals, anodized perforated aluminum spacers, and high quality two-part absorption media for a long, trouble free life.

Insulated glass panes are 1/8 inch; Not for use in windshields or locations where heavy weather / wave impact is possible.



1275 Series Hinged Window

1200 Series Sliding Windows

The 1200-series is a clamp-grip window designed specifically for coastal pleasure and work vessels. These windows offer the choice of pane slide directions and configurations:

- **Forward (front pane sliding to aft/rear)**
- **Rear (aft/rear pane sliding to front)**
- **Double-sliding glass**

A unique high-back slider track design and ample drains give the 1200-series quick water evacuation and excellent slide capability.

To obtain a better weather seal at the juncture or "lap" of the sliding and fixed panes, the glass "lap" should be facing aft, away from wind, rain, and water while the vessel is underway. For installations where the "aft/rear pane slides to front", the sliding section should be on the inside track. Conversely, if the requirement is that the "front pane slides to aft/rear", then the sliding section should be on the outside track. Many vessels use the side forward pilothouse windows as a lookout (front pane sliding to aft/rear) to communicate with crew, maneuver and for ventilation. 1200-series sliding windows allow for this type of installation. Where both panes slide, the same rule applies - glass "lap" faces aft.

1250 Series Fixed Windows

The 1250-series is a stationary (fixed) clamp ring window designed specifically for marine applications with 3/8" or 1/2" glazing requirements including heated glass.

1275 Series Clamp Grip, Top Hinge

The 1275-series is a top hinged clamp ring window designed specifically for marine applications. It is used primarily in forward facing applications where ventilation is required. This style of window can be fabricated either as a top vent/fixed bottom or a fully vented configuration. It features a choice of 3/8" or 1/2" glass.

To insure proper operation, the vent opening dimensions should not exceed 36" wide by 30" high.

1200 Series



Standard Duty, Clamp Grip, Fixed Glass
5110-M846-1200, Exterior

Standard Duty, Clamp Grip, Horizontal Sliding
5310-M846-1200, Exterior

1250 Series

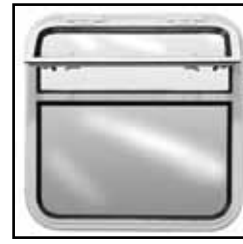


1250 Exterior View, Open



1250 Installed

1275 Series



1275 Exterior View, Open



1275 Hold Open



1275 Hinge



1275 Interior View, Closed

STANDARD DUTY MITERED CORNER DETAILS



1250 Series, Inside view



1250 Series, Outside view



1600 Series, Outside view

UPGRADE TO POWDER COAT



C241-BK01
Black Texture
Semi Gloss



T009-BG01
Almond
90% Gloss



T009-WH11
White
90% Gloss



T009-GR230
Light Grey
90% Gloss

*These color samples are representative only and will vary from the actual color depending on the computer monitor or printer used to view them. For an accurate color, gloss and texture, contact www.propowdernw.com

1600 Series Sliding Windows

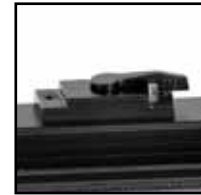
The 1600-series is a clamp-grip window that is best suited where fixed windows with 1/4" glazing requirements are specified. When a sliding window with the "inside track aft/rear pane sliding to front" is desired, the yacht-worthy precision of 1600-series sliding windows will be appreciated. Quality components consisting of a "Dual-Fin Weather Seal" and "Motion Slider Track" result in windows that slide easily and seal tight.

1800 Series Sliding Windows

Sliding glass is always on the inner track, therefore this window is recommended for "aft/rear pane slides to front" applications only. Insulated glass panes are 1/8 inch; Not for use in windshields or locations where heavy weather / wave impact is possible.



1600 Series Vertical Window Hold Open



1600, 1800 Series Window Latch



Quality Finished Interior Clamp Rings and Hardware



Drainage Slot Covers on Sliding Windows

1600 Series



Standard Duty, Clamp Grip, Fixed Glass
5110-M846-1600, Interior



1600, Exterior, Triangle

1800 Series



Standard Duty, Clamp Grip, Horizontal Sliding, Insulated Glass
5310-M846-1800 Interior, Open



Standard Duty, Clamp Grip, Horizontal Sliding, Insulated Glass
5310-M846-1800 Interior, Closed



1800 Series "T" Slider



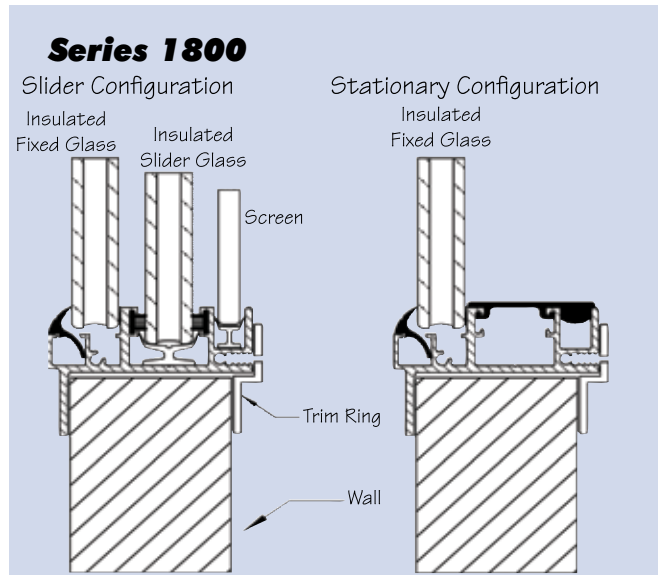
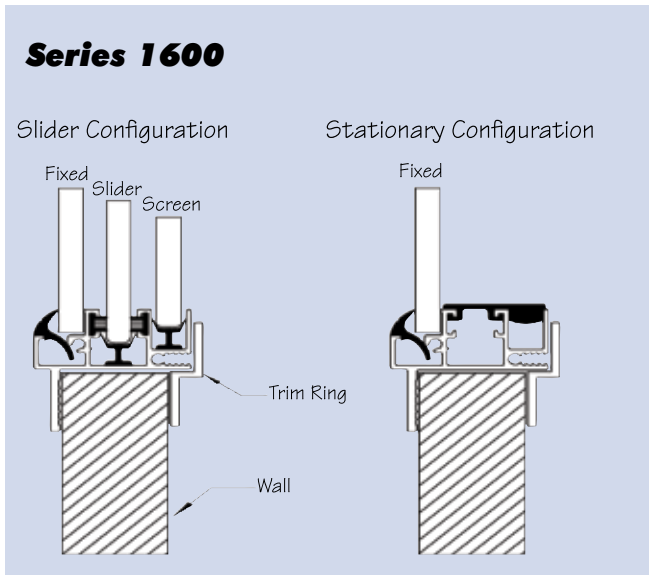
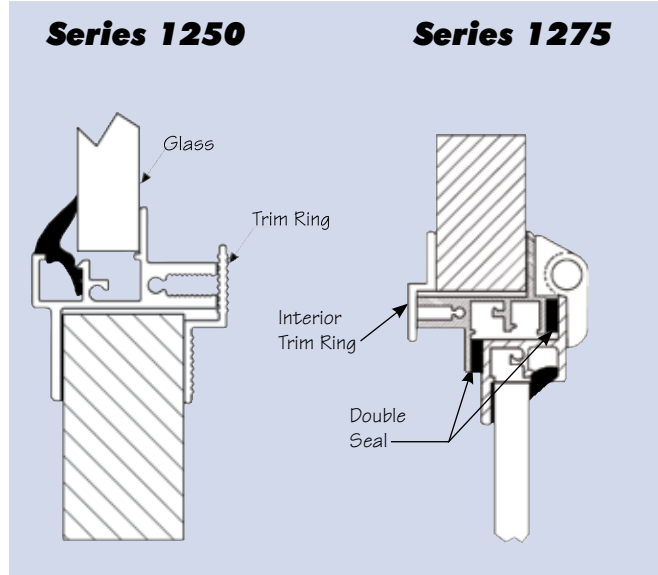
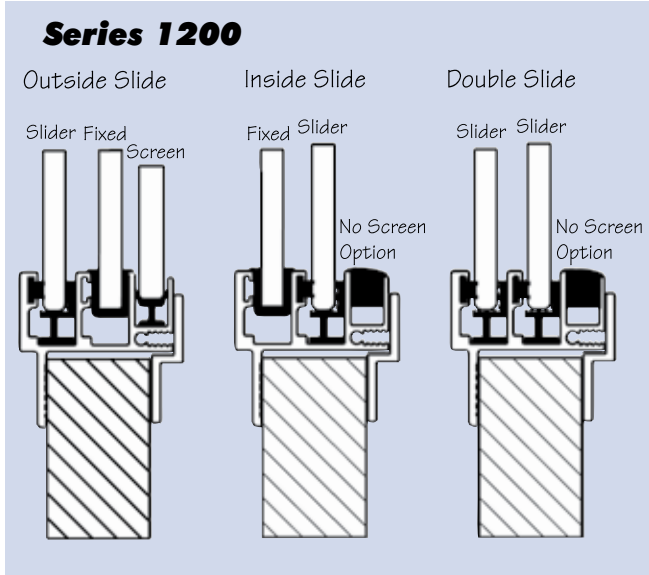
Standard Duty, Clamp Grip, Vertical Sliding,
5410-M846-1600, Interior, Open



Standard Duty, Clamp Grip, Horizontal Sliding, Insulated Glass
5310-M846-1800 Exterior, Open



Standard Duty, Clamp Grip, Horizontal Sliding, Insulated Glass
5310-M846-1800 Exterior, Closed



| | RADIUS | WALL THICKNESS | GLASS THICKNESS | APPLICATION |
|--------------------|--|---|---------------------------------------|--|
| 1200 Series | 2-3/4" (70mm) | 1/8" to 2-1/2" (3mm to 63mm) | 1/4" (6mm) | Sliding Windows Outside Slide • Inside Slide Double Slide • Fixed |
| 1250 Series | 3" (76mm) | 1/8" to 2-1/2" (3mm to 63mm) | 3/8" to 1/2" (10mm to 13mm) | Fixed |
| 1275 Series | 3" (76mm) | 1/8" to 2-1/2" (3mm to 63mm) | 3/8" to 1/2" (10mm to 13mm) | Top Hinge • Top Vent Bottom Fixed |
| 1600 Series | 2-1/2", 3-0", 7-1/2" (63mm, 76mm, 191mm) | 1/8" to 2-1/2" (3mm to 63mm) | 1/4" (6mm) | Inside Slide Fixed |
| 1800 Series | 3" (76mm) | 3/4" to 3-1/4" (19mm to 83mm) | 1/2" Insulated Unit (13mm) | Inside Slide Fixed |

(metric equivalents are reference only - built to inch dimensions)