

SCREEN OPTIONS

Letting Air In While Keeping Pests Out



ABOUT US

Since 1998, Solar Innovations® has grown to become a leader in the architectural glazing industry, providing innovative solutions to customers all over the world. With over 25,000 projects completed, our Pine Grove, PA LEED Gold-designed manufacturing facility produces the most complete product line in the industry. With this capability, we provide a cohesive look across the entirety of a project's glazing needs. Our door, window, skylight, and structure systems have been recognized to be among the highest in quality and performance for both the commercial and residential markets. As a single-source manufacturer of aluminum, wood, and vinyl products, we tailor our systems to meet the project's specific needs. To further stand out, our custom hardware is machined in-house, delivering a level of craftsmanship to our products that is unmatched in the industry. Also, most of our engineering and product testing is done in our modern testing facility, providing our customers with exacting standards and specifications.

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Why Solar Innovations®?

INNOVATIVE

Solar Innovations® — it's in the name. Our customers' needs force us to think outside the box. That, paired with creative thinking from our team, makes our products stand head and shoulders above the rest. No project is too big or too small for us to handle.

HIGH-PERFORMING

With two in-house test labs, our products exhibit some of the highest performance ratings in the industry. Solar Innovations® offers the largest, impact-rated folding glass walls and the only impact-rated glazed structure with operable vents, windows, and doors. Our products can be designed and engineered to your specific location.

Our product certifications include:

- NFRC
- AAMA
- Florida Impact
- Miami Dade
- Texas certification (TDI)

DURABLE

Our systems can be designed to meet coastal requirements, limiting visible wear and tear. We have advanced aluminum finishes and stainless steel components, reducing the corrosive effects of the elements in coastal regions.

SINGLE-SOURCE PROVIDER

We are a single-source supplier of aluminum, wood, and vinyl-composite glazing systems. With the most complete product line on market, our systems bring complete cohesion across your project. Solar Innovations® machines much of its own hardware, bringing our systems to the highest level of quality.

ECO-FRIENDLY PRODUCTS

By using local suppliers we not only boost our local economy, but also reduce transportation times and fuel emissions. Our thermal-performance products as well as our skylight and structure solutions for daylighting reduce energy consumption. Also, our products include recycled content and are LEED friendly.

LEED credit categories (other credits may also apply.)

- Materials & Resources (recycled content)
- Indoor Environmental Quality (daylight)
- Energy & Atmosphere (performance)
- Regional Priority (within 500 miles of our facility).

ECO-FRIENDLY FACILITY

Solar Innovations® takes environmental responsibility seriously; our LEED Gold designed facility includes a solar array that meets 85% of our electricity needs and an expansion plan to put us at Net Zero. Through aggressive recycling policies, our waste is 98.5% landfill free.

AMERICAN MADE

All of our products are designed, engineered and manufactured in our 400,000 square foot facility in the rural setting of Pine Grove, PA.

EASY TO OPERATE

All of our systems are user-friendly and straightforward. No matter the shape, size, or type of project, our products remain practical and manageable.

INSTALLATION

Whether a product is purchased directly from Solar Innovations® or through our dealer network, we can install and service all of our products within a six-hour radius of Pine Grove, PA. Our expertly-trained team is registered to complete installation and service work in at least 18 states.

REPAIR & REPLACEMENT SERVICES

Our team has the technical skill and experience to evaluate your situation and determine the most effective options for repair, service, or replacement of your product. All drawings and information are saved for each project, so a preliminary site visit isn't always required.



Get in Touch

There are three convenient ways to work with Solar Innovations®. If you aren't quite sure please feel free to call us directly at 800 618 0669.

1. SOLAR INNOVATIONS®' DEALER NETWORK

Our extensive network of dealers throughout the United States has experience in the glazing industry and with our products. Dealers are frequently able to visit the job site and work one-on-one with the customer, aiding in design, local permits, and installation.

2. ARCHITECTS, GLAZIERS OR CONTRACTORS

Your architect, glazier, or contractor can work with our inside sales designer to ensure you receive the best product information. Specifications, quotes, and drawings can be directed to you to review.

3. INSIDE SALES DESIGNER

Contact our inside sales designers directly to help plan and specify your project at 800 618 0669.

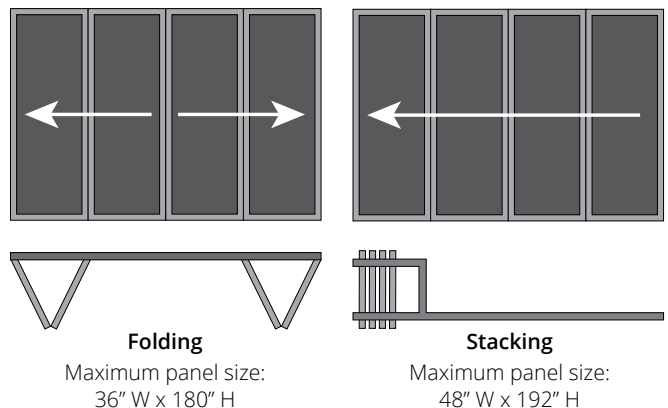
FOLDING & STACKING



Folding and stacking screens mimic the flow of their glass door counterparts. Folding screens are hinged and fold left or right to be flush against a wall, while stacking screens are individually operated with top hung panels. Just as with glazed folding doors, operable swing door panels can be integrated into the door units to provide an entrance. Folding and stacking screen panels can also be used to create an outdoor room in place of a glass sunroom or pool house, allowing you to enjoy nature without bothersome insects.

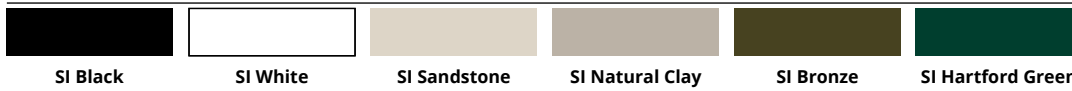
Folding and stacking screens are available in all of our standard finishes and screen options. These are smooth, non-pleated screens that can be used in most project applications.

CONFIGURATIONS



Frame Finish Options

Paint STANDARD - AAMA 2603 (5 year warranty). Finishes available while in stock.



Anodized Additional cost



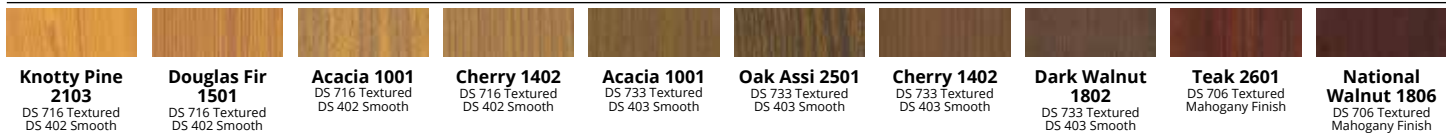
Paint DESIGNER - AAMA 2604 (5 year warranty), AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*



Powder Coat Solids AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*†

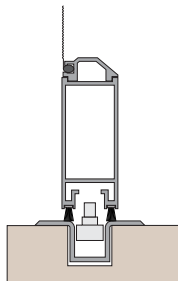
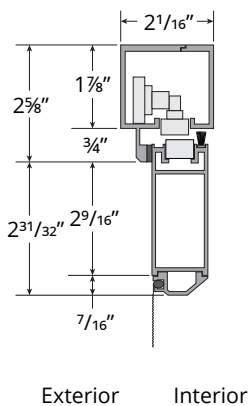


Decoral Finishes (Powder Coat)*

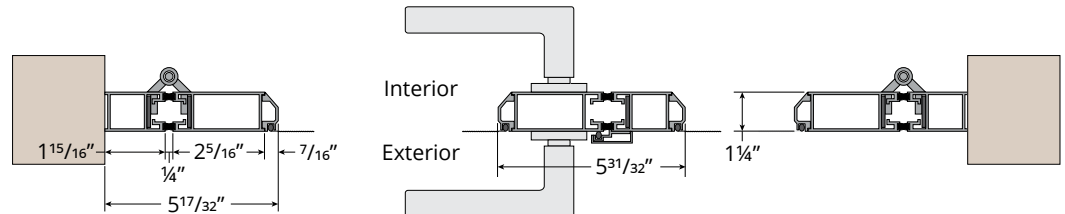


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Folding Screen Head & Sill Details



Folding Screen Jamb Details



Screen Options



Charcoal Mesh Screen

Pet Screen

Clear Advantage Screen

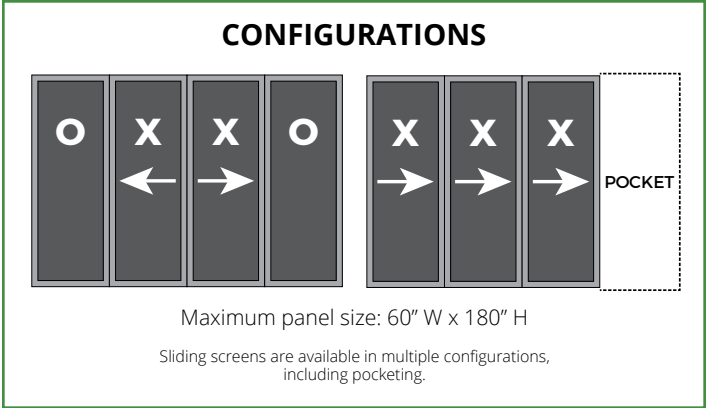
Charcoal Aluminum Screen

Aluminum Screen



Sliding screens are generally used on large openings, most commonly on the exterior of sliding glass doors. The panels of this system can be pocketed into a wall cavity, be center split, or stack to the left or right when fully open.

A common application of a sliding screen system is to create protected outdoor space like a screened porch.



Frame Finish Options

Paint STANDARD - AAMA 2603 (5 year warranty). Finishes available while in stock.



Anodized Additional cost



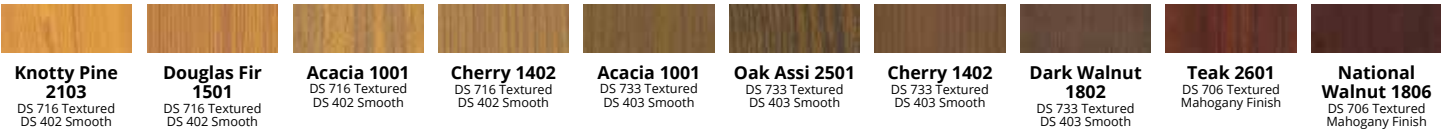
Paint DESIGNER - AAMA 2604 (5 year warranty), AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*



Powder Coat Solids AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*†

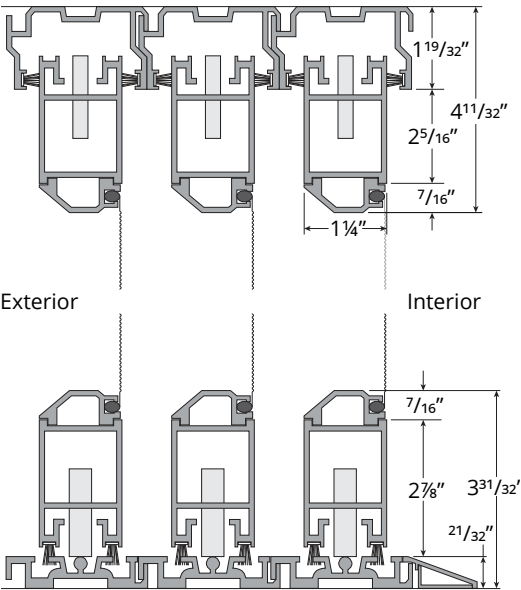


Decoral Finishes (Powder Coat)*

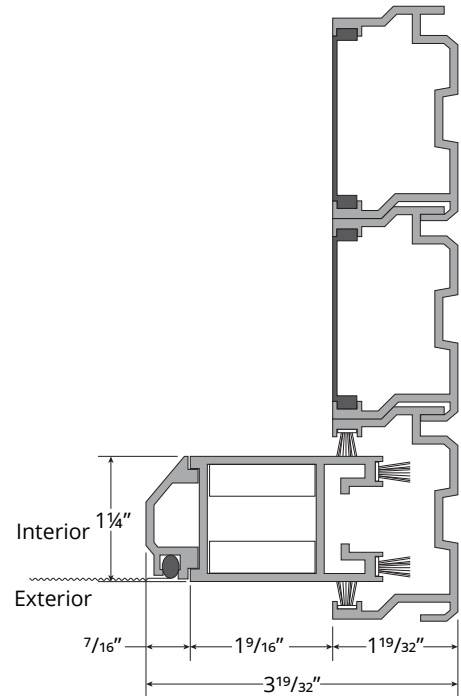


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Sliding Screen Head & Sill Details



Sliding Screen Jamb Details



Screen Options





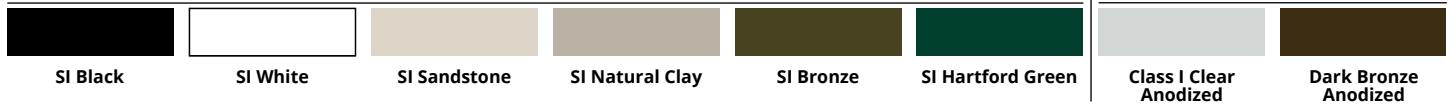
Solar Innovations® traditional screen doors are available in both outswing single, as well as French door configurations. The screen door is constructed from an aluminum frame which mimics the sitelines of our swing doors.

For a consistent look, both the screen and swing door can utilize the same handle style. The hinges used on our screen doors are

the same as the ones in our hurricane-rated folding door system, which prevents rust and potential operation issues. There are five types of screens to choose from and the frames are available in all of our standard and designer finishes. Sizes range up to 42" W x 120" H for terrace doors and up to 84" W x 120" H for French doors.

Frame Finish Options

Paint STANDARD - AAMA 2603 (5 year warranty). Finishes available while in stock.



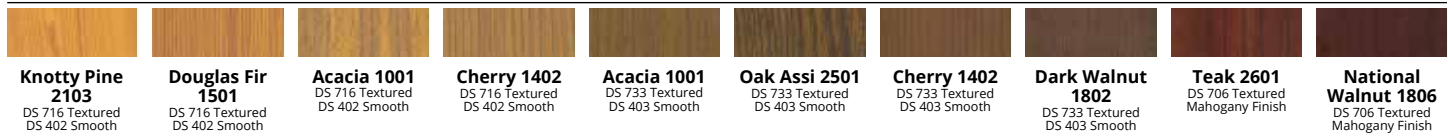
Paint DESIGNER - AAMA 2604 (5 year warranty), AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*



Powder Coat Solids AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*†

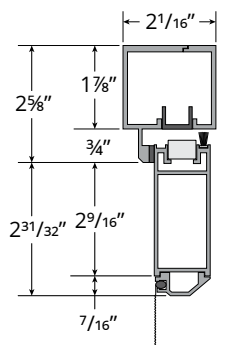


Decoral Finishes (Powder Coat)*

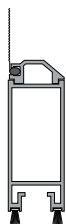


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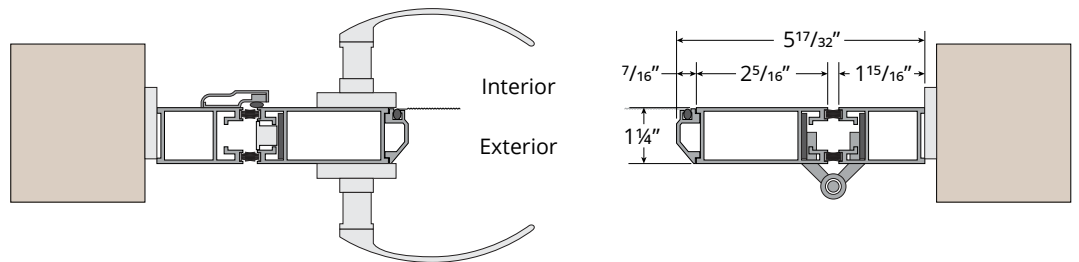
Swinging Screen Head & Sill Details



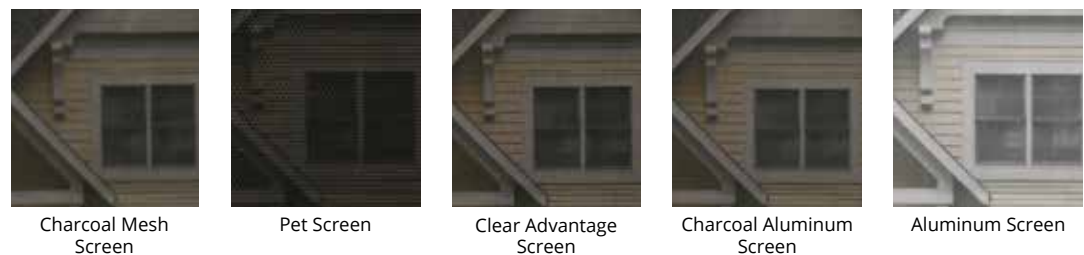
Exterior Interior



Swinging Screen Jamb Details



Screen Options





Fixed screens are used on casement, awning, hopper, tilt turn, and sliding glass windows. This type of screen is the typical selection for residential and commercial applications and is attached in a stationary position. Fixed screens can be easily removed for cleaning.

These screens can also be placed on the interior of an operable skylight or ridge vent to protect from insects. For casement and awning windows, screens are typically placed on the inside of the frame, closest to the interior space. Screens on tilt turn and hopper windows are placed on the exterior side since the window opens to the interior. Sizes range up to 96" W x 192" H.

Frame Finish Options

Paint STANDARD - AAMA 2603 (5 year warranty). Finishes available while in stock.



Anodized Additional cost



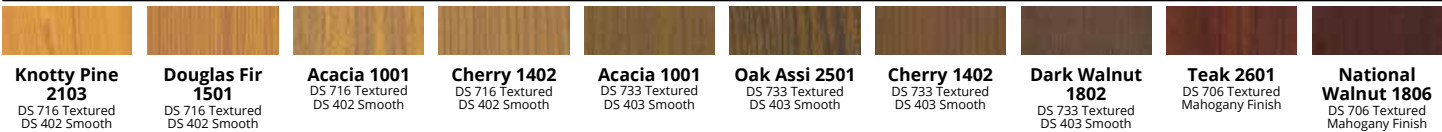
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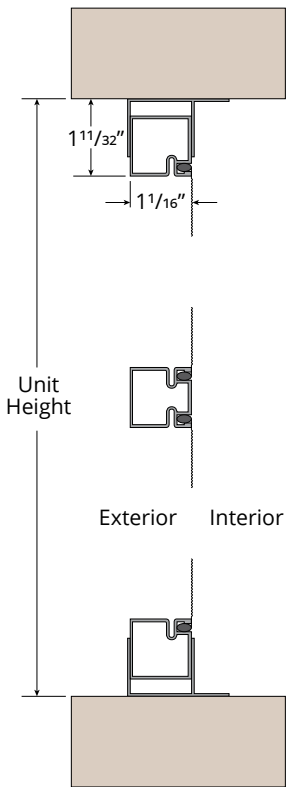


Decoral Finishes (Powder Coat)*

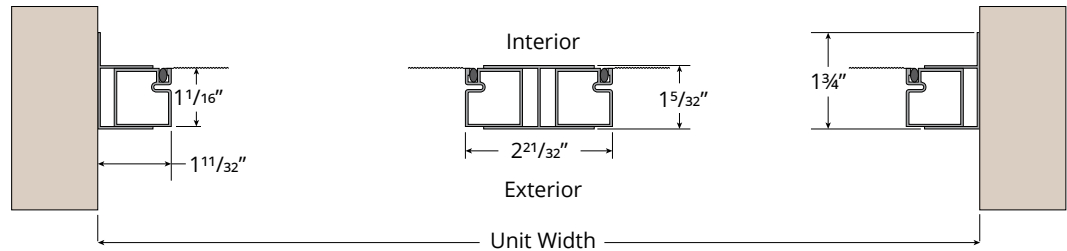


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Fixed Screen Head & Sill Details



Fixed Screen Jamb Details




































Screen Options



COMPARISON

	Folding	Stacking	Sliding	Swinging	Fixed
Page Number	2	2	3	4	5
Type of Screen	Retractable	Retractable	Retractable	Retractable	Retractable
Maximum Width					
- Single Panel	36"	48"	60"	42"	96"
- Multiple Panels/ Sections	720" (using 20 panels)	Unlimited	600" (using 10 panels; can be dual- or multi-tracked)	84" (French Door configuration)	NA
Maximum Height	180"	192"	180"	120"	192"
Screen Fabric	Smooth	Smooth	Smooth	Smooth	Smooth
Screen Fabric Colors	Charcoal Mesh Pet Clear Advantage Charcoal Aluminum Aluminum	Charcoal Mesh Pet Clear Advantage Charcoal Aluminum Aluminum	Charcoal Mesh Pet Clear Advantage Charcoal Aluminum Aluminum	Charcoal Mesh Pet Clear Advantage Charcoal Aluminum Aluminum	Charcoal Mesh Pet Clear Advantage Charcoal Aluminum Aluminum
Standard Frame Colors	<div>White</div> <div>Black</div> <div>Bronze</div> <div>Clear Anodized</div> <div>Dark Bronze Anodized</div>	<div>White</div> <div>Black</div> <div>Bronze</div> <div>Clear Anodized</div> <div>Dark Bronze Anodized</div>	<div>White</div> <div>Black</div> <div>Bronze</div> <div>Clear Anodized</div> <div>Dark Bronze Anodized</div>	<div>White</div> <div>Black</div> <div>Bronze</div> <div>Clear Anodized</div> <div>Dark Bronze Anodized</div>	<div>White</div> <div>Black</div> <div>Bronze</div> <div>Clear Anodized</div> <div>Dark Bronze Anodized</div>
Designer Frame Colors	<div>Sandstone</div> <div>Natural Clay</div> <div>Hartford Green</div>	<div>Sandstone</div> <div>Natural Clay</div> <div>Hartford Green</div>	<div>Sandstone</div> <div>Natural Clay</div> <div>Hartford Green</div>	<div>Sandstone</div> <div>Natural Clay</div> <div>Hartford Green</div>	<div>Sandstone</div> <div>Natural Clay</div> <div>Hartford Green</div>
Standard Size Kits					
Vertical Pull					
Horizontal Pull	✓	✓	✓		
Motorized					
Application	Bifold, Slide & Stack, and Swing Doors; Bifold and Slide & Stack Windows	Slide & Stack Doors and Windows	Bifold, Slide & Stack, Sliding, Lift-Slide, and Swing Doors; Bifold, Slide & Stack, and Sliding Windows	Swing Doors	Bifold, Tilt-Turn, Sliding, and Hopper Windows

Note: Screen systems need not be paired with a door or window. They can be installed independently in applications like a screened-in porch.

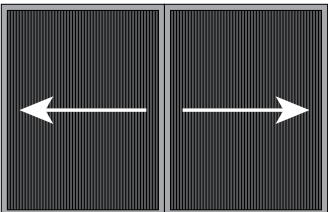
B Series Retractable	C Series Ecoscreen	G Series Sheer	G Series Milano	S Series Retractable	W-V Series Retractable	W-H Series Retractable
8	9	10	10	11	12	12
Retractable	Retractable	Pleated	Retractable	Retractable	Retractable	Retractable
177"	144"	63"	60"	240"*	168"	252"
354" (2 sections that meet in the center)	288" (2 sections that meet in the center)	480" (using 6 panels)	108" (2 sections that meet in the center)	NA	336" (2 sections that meet in the center)	504" (2 sections that meet in the center)
126"	125"	125"	100"	192"	132"	132"
Pleated	Smooth	Pleated	Smooth	Smooth	Smooth	Smooth
Weather Resistant Black Polyester	Charcoal Insect Screen Blind (sun filter fabric)	Charcoal Insect Screen	Charcoal Insect Screen	Tuffscreen Soltis 86 Satine	Phifer Patio Mesh Phifer Tuffscreen Tuff No-Seeum	Phifer Patio Mesh Phifer Tuffscreen Tuff No-Seeum
 Black  Grey  Pearl White	 White  Bronze  Clear Anodized	 White  Black  Adobe  Brown  Tan	 White  Adobe  Desert tan  Brownstone	 White  Black  Mocha  Brown  Ivory  Bronze  Grey  Taupe  Green	 White  Black  Bronze  Clear Anodized**  Sandalwood	 White  Black  Bronze  Clear Anodized
✓			✓			
				✓		
✓	✓	✓	✓		✓	✓
				✓		
Bifold, Slide & Stack, Sliding, Lift-Slide, and Swing Doors; Bifold, Tilt-Turn, Slide & Stack, Sliding, Casement, Awning, and Hopper Windows	Bifold, Sliding, and Lift-Slide Doors	Bifold, Slide & Stack, Clear Glass Walls, Sliding, Lift-Slide, and Swing Doors; Bifold, Slide & Stack, and Sliding Windows	Bifold, Slide & Stack, Clear Glass Walls, Sliding, Lift-Slide, and Swing Doors; Bifold, Slide & Stack, and Sliding Windows	Bifold, Slide & Stack, Clear Glass Walls, Sliding, and Lift-Slide Doors	Bifold Doors and Windows	Bifold Doors and Windows

* Fabric seam location will depend on fabric type. ** 70mm & 80mm

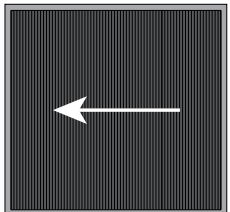
B SERIES RETRACTABLE

B Series Screens are a pleated screen suited for larger openings. These screens consist of either a single or double panel configuration, and have the capability to meet on a 90° corner to enclose a space with only one visible, vertical division. This screen can be paired with folding doors, sliding doors, French doors, lift slide doors, or screen rooms.

CONFIGURATIONS



Maximum Double Screen Size:
344" W x 126" H



Maximum Single Screen Size:
177" W x 126" H

Please note:
Acceptable
sizes vary
depending
on height and
width.

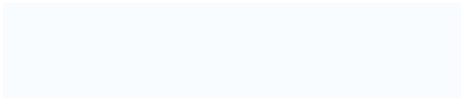
Frame Finish Options



Black



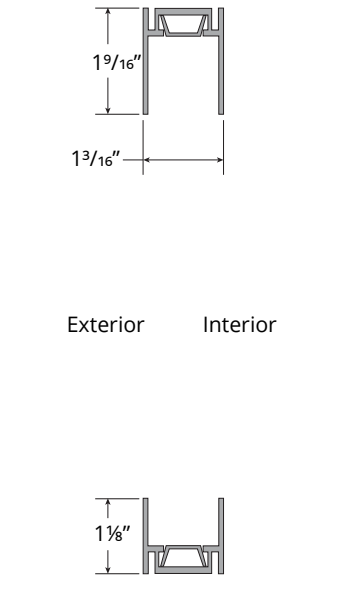
Grey



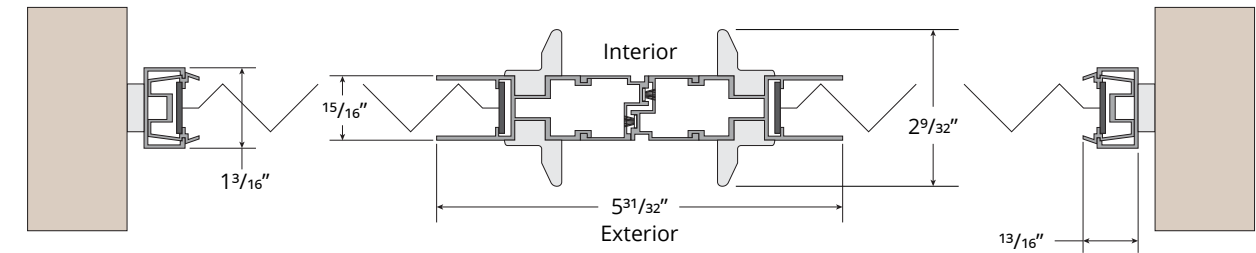
Pearl White

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B Series Retractable Screen Head & Sill Details



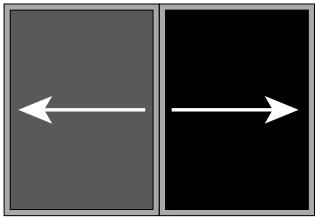
B Series Retractable Screen Jamb Details



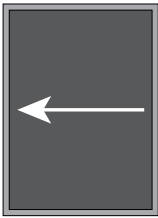
C Series EcoScreens combine the functionality of both an insect screen and privacy shade. The unit is available in an all-screen configuration, an all-blind configuration, or a combination blind and screen unit. The blinds and screens are retracted from vertical cassettes on both sides of the opening and feature an anti-slam mechanism. The blind portion of the unit can also function as a projector screen for your home theater system.



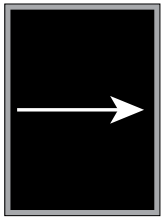
MAXIMUM PER PANEL SIZES



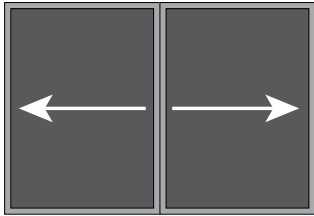
Combined:
144" W x 90" H



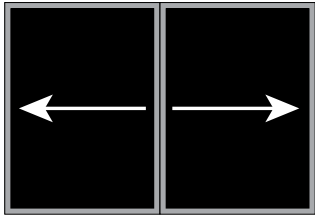
Single Insect Screen:
144" W x 125" H



Single Eco Shade:
144" W x 90" H



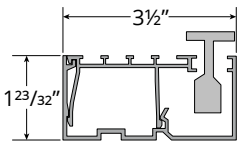
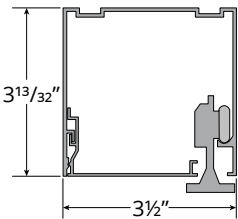
Double Insect Screen:
288" W x 125" H



Double Eco Shade:
288" W x 90" H



C Series Ecoscreen
Screen Head & Sill
Details



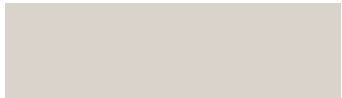
Frame Finish Options



White



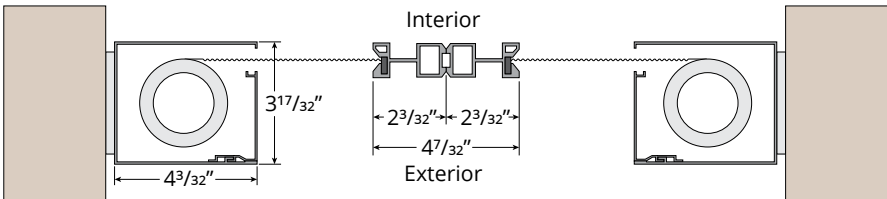
Bronze



Clear Anodized

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C Series Ecoscreen Screen Jamb Details



G SERIES RETRACTABLE



Sheer

Solar Innovations® offers a retractable screen with a stylish, pleated material that can be operated with one hand. Units may include one to six panels and can be parted at any vertical rail. G Series Screens have an ADA compliant sill track and are available in several frame finish options. These screens can typically be designed to match the vertical rail alignment of the door system they are complementing, minimizing siteline interruptions.

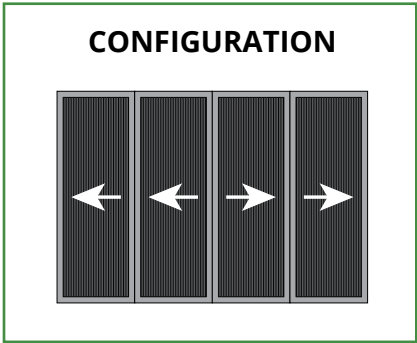
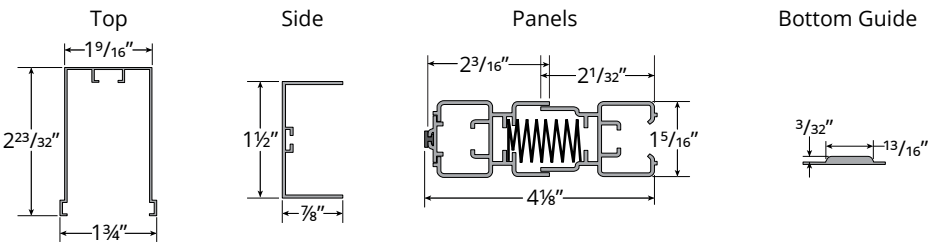
Maximum Combined Screen Panels Per Opening:

3 from right / 3 from left = 6 total panels

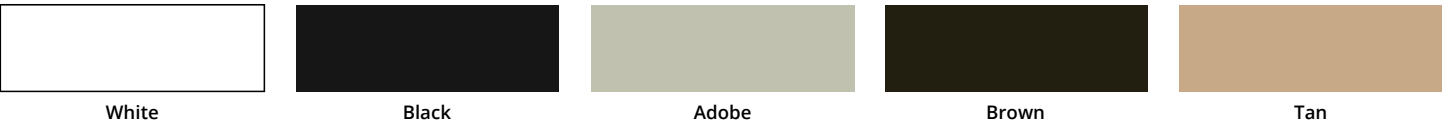
Maximum Per Panel Size:

63" W x 125" H

G Series Sheer Retractable Screen Details



Frame Finish Options



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Milano

A retractable door screen can be easily integrated into either a single door or French door opening. The screens can be either a single unit that pulls left to right or a double panel which joins in the middle and then retracts back to the framing. Our Milano screens are held together in the center with industrial strength magnets. Screens allow users to easily pass from inside to outside and can be stopped at any point on the track with the anti-slam feature. Several frame finishes and sizes are available that will suit most openings.

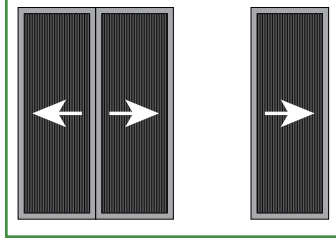
Maximum Size Double:

108" W x 100" H

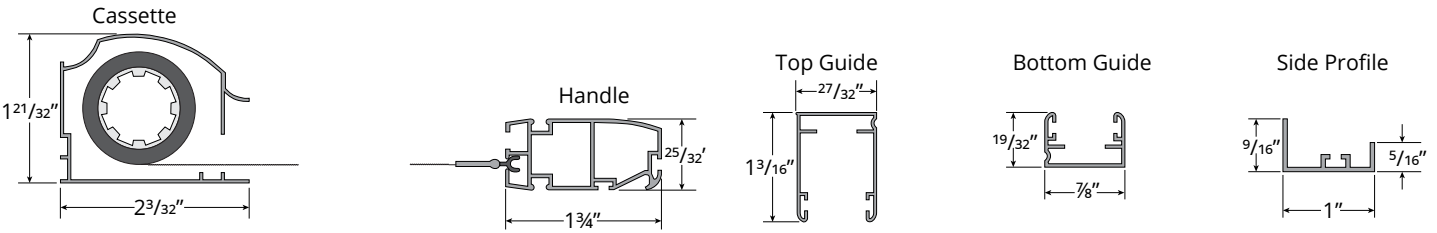
Maximum Size Single:

60" W x 100" H

CONFIGURATIONS



G Series Milano Retractable Screen Details



Frame Finish Options



White



Brownstone



Desert Tan



Adobe

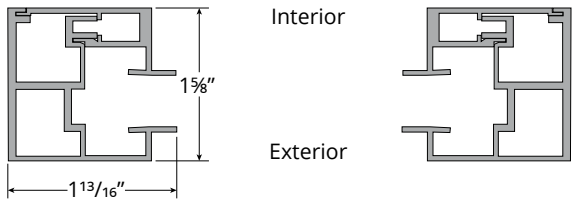
Please Note: Depending upon color selection, extra cost and lead times may apply for all finishes other than Solar Innovations® stock standards. Color illustrations are shown as accurate as standard photography and printing processes allow. Final finish selection should be made from a physical sample; please contact Solar Innovations® to receive samples. All product and finish options are subject to vendor availability. Solar Innovations® reserves the right to discontinue any option at any time without notice. Additional options, including custom color matches, are available; contact a Solar Innovations® sales designer for details.

S SERIES RETRACTABLE



S Series Screens are vertically retractable screens that provide the ability to enjoy the outdoors while being protected from pests. S Series Screens feature a specialty zipper system which guides the fabric within the track and prevents insects from entering. The zipper system can also prevent sunlight from entering the room if black out fabric is selected.

S Series Retractable Jamb Details



Frame Finish Options



Please Note: Depending upon color selection, extra cost and lead times may apply for all finishes other than Solar Innovations® stock standards. Color illustrations are shown as accurate as standard photography and printing processes allow. Final finish selection should be made from a physical sample; please contact Solar Innovations® to receive samples. All product and finish options are subject to vendor availability. Solar Innovations® reserves the right to discontinue any option at any time without notice. Additional options, including custom color matches, are available; contact a Solar Innovations® sales designer for details.

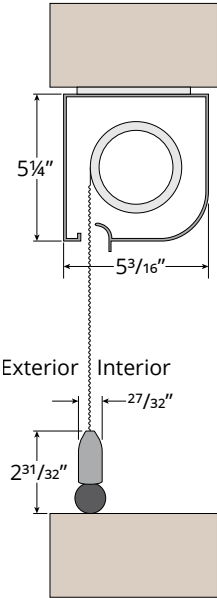
CONFIGURATION

Maximum Sizes:
240" W x 192" H*

Please note: Acceptable sizes may vary depending on height and width.

*Fabric seam location will depend on fabric type.

S Series Retractable Head & Sill Details



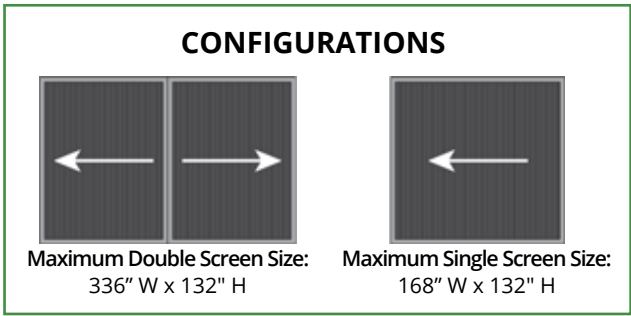


W SERIES RETRACTABLE

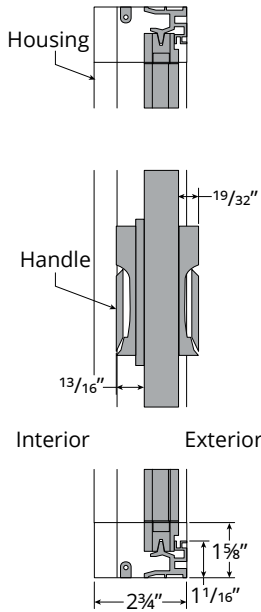


W-V screens

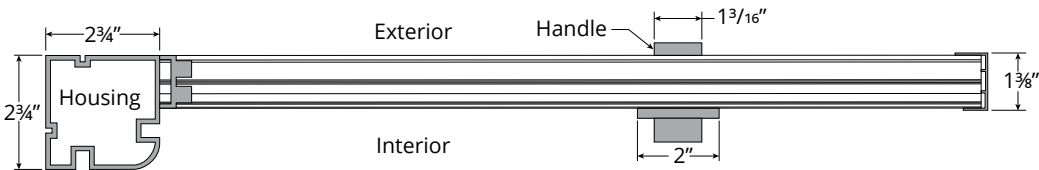
W-V screens are a horizontally retractable system that allow for unobstructed views without any visible frames, pull bars or seams. They are capable of screening openings up to 336" W x 132" H. Operable with just a single hand, these durable screens are made with a wind and pet resistant mesh. These screens can also be configured in a 90° no-post situation.



W-V Series Retractable Head & Sill Details



W-V Series Retractable Jamb Details



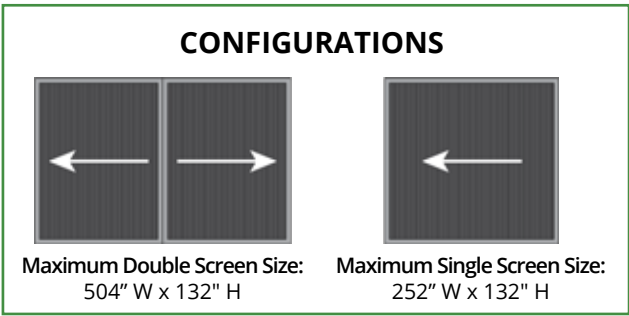
Frame Finish Options



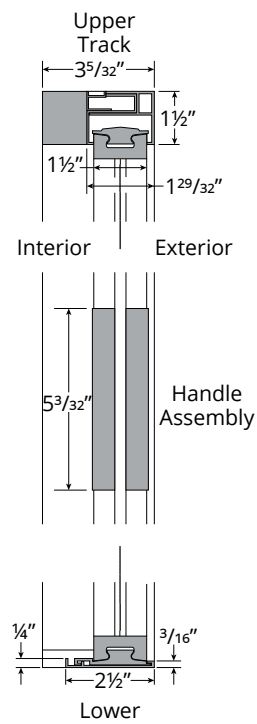


W-H screens

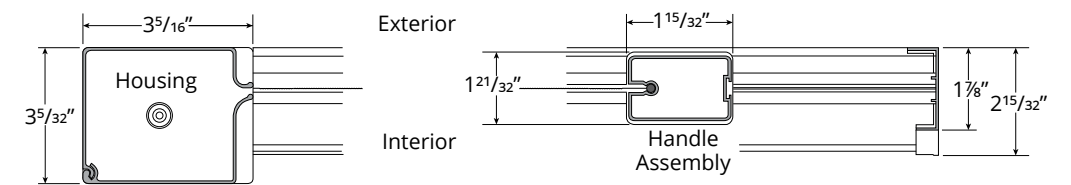
W-H screens are a horizontally retractable system and can be paired with a wide array of door types. A single screen can open up to 252", or paired with an opposing screen to double the protection to 504". This system features an auto-stop function that can stop anywhere along its track, allowing for easy access. These screens can also be configured in a 90° no-post situation.



W-H Series Retractable Head & Sill Details



W-H Series Retractable Jamb Details



Frame Finish Options



SHADE OPTIONS

MANUAL ROLLER SHADES

Manual roller shades are designed to be pulled by hand against the eave line of your structure. When pulled taut, the shade will click and easily hold in place. This tension system is a less expensive shade option and is extremely easy to operate in any application.

GRAVITY FED SHADES

Gravity fed shades are typically used in sloped roofs, but can also be used in vertical wall applications. These shades are individually sized to fit between the rafters of an interior glass roof and are available in numerous materials and colors. This system is available in motorized or manual pull cord options, operates in a Roman fold style, and can be used in humid environments such as greenhouses.

WIDE SPAN SHADES

Wide span shades extend from eave to eave, or follow the natural slope of a glass structure. Available in multiple fabric, texture, and color options, these shades trap heat above them, which allows the living space of a structure to remain cooler. These Roman fold style shades are fully operable and are available in either manual or motorized options.

PLEATED SHADES

Pleated shades can be used on the roof and vertical walls of a glass structure. The pleats not only provide an appealing visual pattern but also soften daylight coming into your structure. These shades are generally mounted at the eave and pull upwards toward the ridge, except for angled corners, which operate inversely. Pleated shades are suitable for extremely humid environments and come in both manual or motorized pull options.

PINOLEUM BLINDS

Pinoleum blinds are traditionally used in conservatories, sunrooms, and on skylights. These blinds are comprised of individual wooden reeds that are woven together to diffuse light. Due to the wooden reeds, this system should not be used in humid environments. Manual or motorized units are available.

SOLAR R BLINDS

Solar R Blinds are typically used to increase energy efficiency and control temperature. These smooth shades have an aluminum backing which reflects sunlight to limit solar heat gain. They are generally mounted at the eave of a structure and pull upwards toward the ridge, except for angled corners which operate inversely. Solar R Blinds are available in either manual or motorized options, and when operated, the shades move on a roller into a cassette via the pulley system. This system is not recommended for use in humid environments.



Wide Span Shades



Pinoleum Shades

For additional information refer to our shades brochure or visit solarinnovations.com/shades.



Pleated Shades

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