

# 1450S Series 4" Thermal Fixed, Casement & Projected Windows

## Product Information



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### GLAZING

The windows can be interior or exterior glazed with .050 thick extruded aluminum glazing beads accommodating thicknesses from 1/8" up to 1". Dual glazing is an option utilizing an interior panel sash that can either be hinged with 4-bar stainless steel hinges or a more economical take out sash. Venetian blinds are available with the dual glazed window options. See the quick reference chart below for all glazing options. For actual details refer to the glazing section in the back of the 1450S section for optional glazing and blind details.

Glazing Thickness	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	9/16"	5/8"	3/4"	7/8"	1"	1-1/4"	1-3/8"	1-1/2"
Monolithic	X	X	X	-	-	X	X	-	-	-	-	-	-	-
Insulated	-	-	-	-	-	-	-	-	X	X	X	-	-	-
Dual Glazed	Exterior	-	X	X	-	-	-	-	-	-	-	-	-	-
	Interior	X	X	X	-	-	-	-	-	-	-	-	-	-
Triple Glazed	Exterior	-	-	-	-	-	-	-	-	-	-	-	-	-
	Interior	-	-	-	-	-	-	-	-	-	-	-	-	-

Winco has different gaskets and glazing methods that can accommodate odd thicknesses of glass. If you do not see what you are looking for within this chart please contact your local representative for information regarding your specific project needs.

### HARDWARE

All exposed locking hardware, strikes and keepers are solid white bronze alloy with US25D brushed finish. All four bar arms, casement arms, friction arms and key release limit arms are stainless steel conforming to AAMA 904.1. Five knuckle butt hinges are fabricated of 6063-T6 aluminum with nylon bushings and a stainless steel hinge pin.

Window Type	Butt Hinge	4-Bar Arms	Casement Arms	Friction Adjustable	Roto Operator	Cam Lock	Pole Ring Cam Lock	Access Control Lock	Lift Lock	Pole Ring Lift Lock	Pull Handle	Key Release Limit Arm	Fixed Limit Stop	Under Screen Push Bar
PO - Awning	-	X	-	-	O <sup>2</sup>	X	O <sup>3</sup>	O	O <sup>2</sup>	O <sup>2</sup>	O	O	O	O <sup>5</sup>
PI - Hopper	-	X	-	-	-	X	O	O	O	O	-	O	O	-
Casement - Outswing w/ Butt Hinges	X	-	O	X	O <sup>2</sup>	O	O <sup>3</sup>	O	X	O	X	O	O	O <sup>5</sup>
Casement - Inswing w/ Butt Hinges	X	-	O	X	-	O	O	O	X	O	-	O	O	-
Casement - Outswing w/ concealed Hinges	-	-	X	-	O <sup>2,4</sup>	O	O <sup>3</sup>	O	O	O	X	O	O	O <sup>2,5</sup>
Casement - Inswing w/ concealed Hinges	-	-	X	-	-	O	O	O	X	O	-	O	O	-

X = Standard Hardware

O = Optional Hardware

Note:

- <sup>1</sup> Not all hardware is compatible with each other, contact your local Winco representative for information
- <sup>2</sup> Size limitations exist on some hardware, contact your local Winco representative for information
- <sup>3</sup> A pole ring pull will be provided on a project out vent is optional pole ring cam locks are required and no screen is furnished
- <sup>4</sup> Minimum width requirement for optional roto operators on casement windows with concealed casement arm hinging
- <sup>5</sup> Under screen push bars are not recommended by Winco if optimum water performance is a requirement

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