

# Side-Mounted Casement

A practical operating solution for casement windows that extend down to finished floor level.

The Side-Mounted Casement was developed for casement windows that carry down to the finished floor. In this condition, standard hardware located on the lower rail can be awkward to reach and less practical for daily operation.

By moving the operating hardware to the side of the sash, the window remains easier to operate while maintaining clean proportions, narrow sightlines, and the intended architectural appearance.

## Core advantages

- Designed for casements extending to finished floor level
- Side-mounted operating hardware
- More comfortable reach height
- Supports taller operable casement designs
- Available across multiple Synergy Group product platforms



Finished-floor casement condition with side-mounted operating hardware.

## Designed for Finished-Floor Casement Conditions

Casement windows that extend to the finished floor are often used to create taller glass proportions, draw more daylight into the room, and strengthen the connection between the interior and exterior. The design condition is visually clean, but it changes how the window is used.

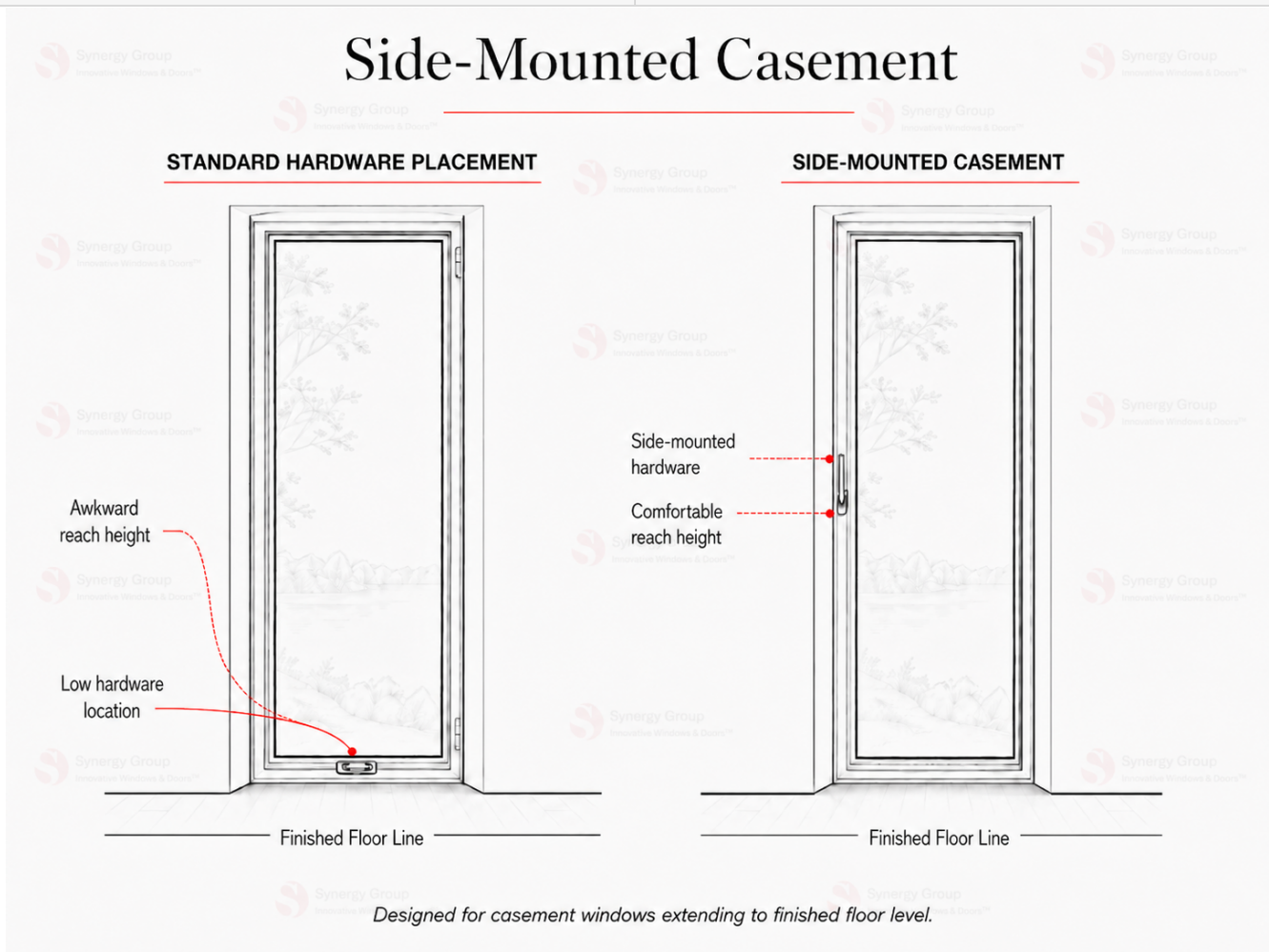
With standard casement hardware mounted on the lower rail, the operating point may sit too close to the floor. That can require the user to bend or reach down to operate the window. The Side-Mounted Casement addresses this condition by moving the operating point to the side of the sash, keeping the hardware at a more practical height.

### The issue with standard hardware

When a tall casement continues down to the finished floor, lower-rail hardware can become awkward to reach. The window may look correct architecturally, but the operating point can feel too low in daily use.

### The side-mounted solution

Side-mounted operation relocates the operating point to the side of the sash. The result is a more practical reach height without changing the clean vertical proportion of the window.



Standard lower hardware placement compared with side-mounted casement operation.

## Side-Mounted Operation

Instead of locating the operating hardware on the bottom rail, the Side-Mounted Casement positions the hardware vertically along the side of the sash. This creates a more comfortable reach height while preserving the appearance of a tall, clean casement unit.

The configuration is especially useful where the sash and glass continue down to the floor and the project still requires an operable window. The window can maintain its intended height, narrow sightlines, and design clarity while becoming easier to use.



Side-mounted operation shown in a finished-floor casement condition.

### Why side-mounted operation matters

- Improves reach and everyday usability
- Keeps the operating point at a more practical height
- Maintains clean vertical proportions
- Preserves narrow architectural sightlines
- Supports taller operable casement designs
- Allows the operation to adapt to the architecture

## Typical Applications

<p><b>Finished Floor Conditions</b></p> <p>For casement units where the sash and glass continue down to, or near, the finished floor.</p>	<p><b>Tall Operating Casements</b></p> <p>For taller operable units where standard lower hardware placement is not ideal.</p>	<p><b>Architectural Window Layouts</b></p> <p>For custom projects where clean proportions, practical operation, and design intent need to work together.</p>
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## Available Across Synergy Group Wood, Aluminum, and Replica Steel Platforms

Platform	Description
All-Wood	For projects requiring traditional wood construction, custom detailing, and finish flexibility. Synergy Group can support standard and custom wood options, from Clear Pine through premium hardwood species such as Black Walnut, with a wide range of custom hardware options available.
Wood-Aluminum	For projects requiring a wood interior with a durable aluminum-clad exterior. The Side-Mounted Casement can be engineered into standard Synergy casement systems and is also available in Narrow Line Tier II - XL and Narrow Line Tier III - Heritage XL configurations.
All-Aluminum	For applications requiring aluminum construction, exterior durability, and clean architectural sightlines. The Side-Mounted Casement is available within Narrow Line Tier IV - All-Aluminum XL under the SynComm brand.
Replica Steel	For steel-inspired or heritage-driven designs requiring narrow profiles, divided lite patterns, and historically influenced detailing. Side-mounted operation allows these design requirements to be paired with more practical operation in finished-floor casement conditions.

The Side-Mounted Casement is available across several Synergy Group platforms so the operating solution can be adapted to the material, finish, performance, and design requirements of the project.

## Narrow Line Availability

The Side-Mounted Casement can also be integrated into select Narrow Line configurations. This allows finished-floor casement conditions to pair with larger sizes, welded joinery, narrow sightlines, and either wood-aluminum or all-aluminum construction depending on project requirements.

- Narrow Line Tier II - XL
- Narrow Line Tier III - Heritage XL
- Narrow Line Tier IV - All-Aluminum XL

## Technical Summary

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<b>Product type</b>	Operating casement window
<b>Operation</b>	Side-mounted hardware configuration
<b>Primary design condition</b>	Casements extending to finished floor level
<b>Available material platforms</b>	All-Wood, Wood-Aluminum, All-Aluminum, Replica Steel
<b>Available Narrow Line configurations</b>	Narrow Line Tier II - XL, Narrow Line Tier III - Heritage XL, Narrow Line Tier IV - All-Aluminum XL
<b>Design purpose</b>	Improves hardware access while maintaining clean architectural sightlines
<b>Typical applications</b>	Custom residential, traditional, contemporary, and heritage projects

## Design Takeaway

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The Side-Mounted Casement allows the operating solution to adapt to the architecture. Instead of allowing standard lower hardware placement to limit the design, the operating point is moved to a more usable location while the window retains its intended height, proportions, and visual clarity.

For architects, designers, builders, and homeowners, this creates a cleaner path to specifying operable casement windows in finished-floor conditions without sacrificing usability or design intent.

To discuss Side-Mounted Casement availability for a specific project, contact the Synergy Group team.