

Series 663 Single Hung • Series 663G Single Hung

Series 671 Double Hung • Series 6621 Fixed • Series 6621G Fixed

3 7/8" Impact/Blast Grade Thermal Hung Window



CONFIGURATIONS

Single Hung • Double Hung • Fixed

Series 663 and 663G single hung windows retain all the characteristics of the 660 family of window products with the added benefits of an impact grade rating. These window products are approved for use in High Velocity Hurricane Zone (HVHZ) as large missile impact resistant. Florida Product Approval 14627.1.

Series 671 double hung window retains all the characteristics of the 670 family of window products with the added benefit of an impact grade rating. This window product is approved for use in High Velocity Hurricane Zone (HVHZ) as large missile impact resistant. Florida Product Approvals 12907.1.

Series 6621 and 6621G impact rated fixed windows can be used with Series 663 Impact Grade Single Hung and Series 671 Impact Grade Double Hung windows. 6621 and 6621G windows are approved for use in High Velocity Hurricane Zone (HVHZ) areas and are large missile impact resistant. Florida Product Approvals 13767.1 and 14831.7.

Features

Benefits

Thermal barrier in vent and frame	Enhances energy saving potential
Weather-stripped sash and sill	Improves U-Factor performance
Continuous interlock meeting rails	Provides superior air and water performance
Automatic sash locks available	Improves air infiltration resistance
Anodized and painted finishes available	Increased convenience in operation
Snap in Grid (663G and 6621G only)	Multiple options to answer economic and aesthetic concerns
	Removeable for glass cleaning and reglazing



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 3 7/8" Impact/Blast Grade Thermal Hung Window

Main Frame Construction

The frames have a depth of 3 7/8" and are constructed of 6063-T6 aluminum alloy. The nominal material wall thickness for the frame is .080", and the sill has a minimum wall thickness of .094". Corners are of screw spline construction and sealed. See Illustration 1.

Sash Frame Construction

The sash consists of aluminum members with .080" nominal material wall thickness of 6063-T6 alloy. Corners are of screw spline construction and sealed. Dual weather-stripped, continuous interlock at the sash meeting rail(s) offers superior weathering and structural performance. See Illustration 2.

Weather Stripping

All sash are weather-stripped with FIN-SEAL® or equal. Two holes or slots per sash through the window frame facilitate weepage.

Screens

Screen frames are extruded 6063-T6 aluminum alloy. Screens are easily removed by retracting two plungers located on the interior face of the screen frame near the sill at each jamb. Full or half screens are available. 18 x 16 mesh screens are available in fiberglass and .011" diameter aluminum. 18 x 18 mesh screens are available in .009" diameter stainless steel.

Thermal Barrier

Sills are thermally isolated with two thermal struts, consisting of glass reinforced polyamide nylon, mechanically crimped in raceways extruded in the exterior and interior extrusions. All other frames and sash are thermally broken using the latest technology in two-part high density polyurethane. See Illustration 3.

Hardware

Sweep locks, access controlled sweep locks, pole ring sweep locks, and keepers are of cast white bronze with a US25D finish. Automatic head and sill locks are fabricated of aluminum alloy and finished to match the window. Two types of balance systems are available. A spring loaded block and tackle balance rated Class 1 with a .70 MAF* ratio is standard. A high performance torsion spring and extension spring balance rated Class 5 with a .30 MAF* ratio is optional. EFCO reserves the right to substitute a higher performance balance as project conditions dictate, i.e., large, heavy sash requiring minimum operating force.

Glazing

Sash is inside glazed with an extruded aluminum screw applied glazing bead. Glazing of 9/16" to 1-1/8" can be accommodated. Series 6621 fixed frame windows accommodate glass or panels from 3/4" to 1 1/4" thick.

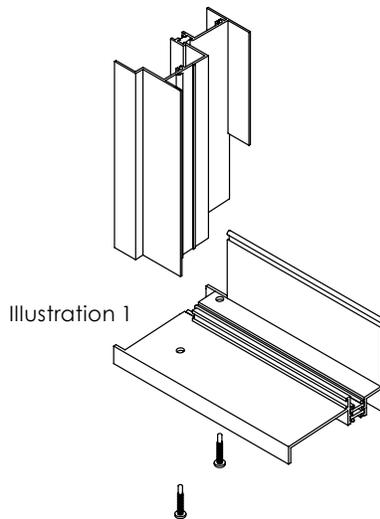


Illustration 1

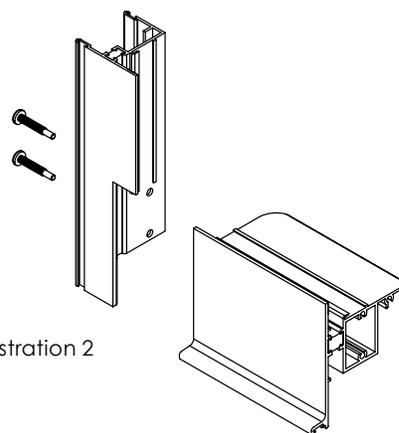


Illustration 2

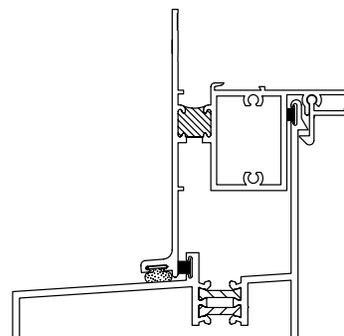
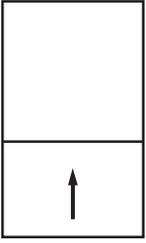


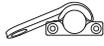
Illustration 3

HUNG WINDOW HARDWARE CHART

Single Hung



Sweep Lock



Pole Ring Sweep Lock



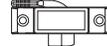
Allen Keyed Sweep Lock



Pole Socket



Auto Lock

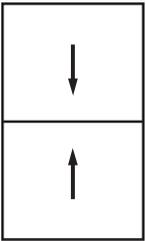


Thumb Lock (HX32 Only)

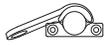


Internal Tilt Lock (Tilt Sash Only)

Double Hung



Sweep Lock



Pole Ring Sweep Lock



Allen Keyed Sweep Lock



Pole Socket



Auto Lock



Internal Tilt Lock (Tilt Sash Only)



Pull Handle

