

GUTMANN S70+ & S70V+ WINDOWS

► System Description

The Gutmann S70+ Fixed system is a thermally insulated aluminium window system and have been designed and engineered to provide the highest level of quality. The profile section depth for both the frame and leaf is 2 3/4" (70mm) and is thermally broken. These windows may be installed as independent units or adapted to fit into most of the storefronts, window wall or curtain wall systems.

- AAMA AW90 Performance Class.
- Symmetrical, stable structural design with identical corner and T connectors.
- Thermally and structurally optimised winglet insulator with high-strength polyamide thermal barrier.
- Euro groove for free choice of hardware.
- Surface mounted fittings up to sash weight of 300kg; concealed fittings up to 180kg.
- Glass up to 2 23/64" (60mm) in the sash, 1 31/32" (50mm) in the fixed panel.
- Passed Life Cycle Test AAMA 910
- Average weighted system "U" value for the wall assembly shall not exceed 0.26 Btu/hr/ft²-F° for double glazed and 0.17 Btu/hr/ft²-F° with triple glazed. This value may vary according to glass selection and framing configuration.



► System Properties of Classes

	Water tightness	ASTM E 547-00 (16) and ASTM E 331-00 (16) 720 Pa
	Air permeability	ASTM E 283-04 (12) 300 Pa
	Wind load	ASTM E 330-14 Structural Performance = 6480 Pa, 6840 Pa / Design Pressure = 4320 Pa

► Thermal Insulation

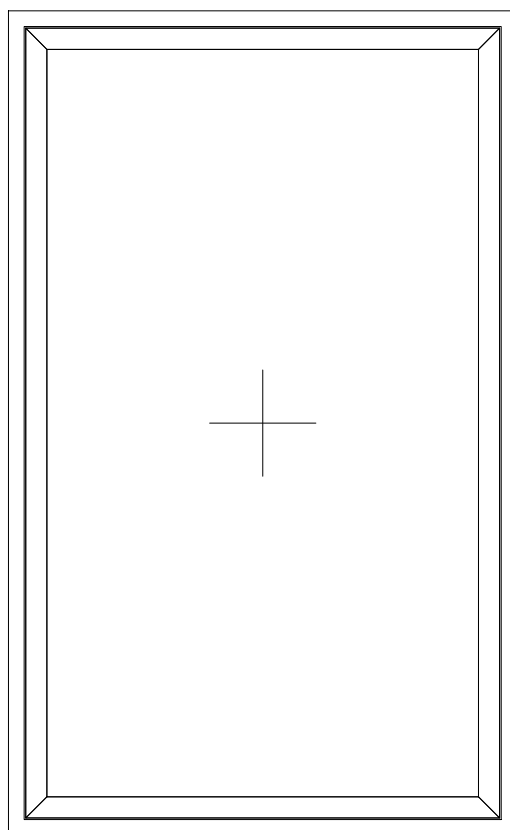


S70+ FIXED WINDOW TYPICAL SYSTEM DETAILS



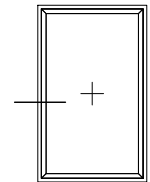


**Type of Opening
(View Outside)**

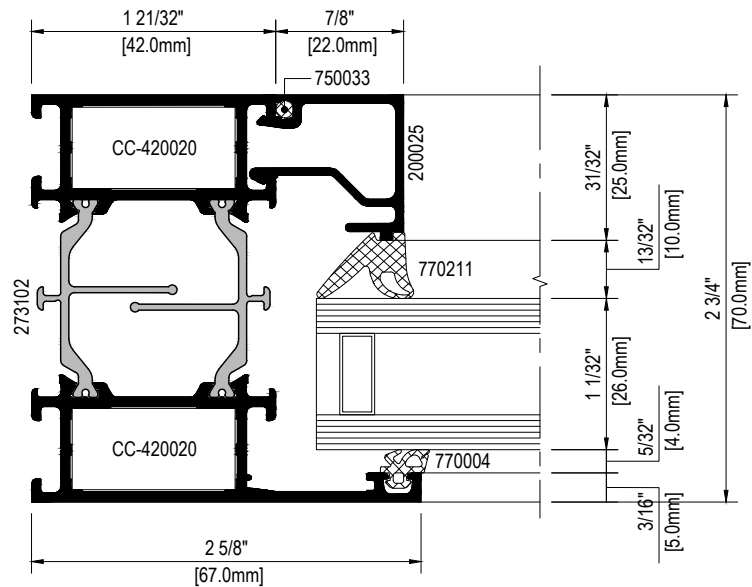


FIXED WINDOW

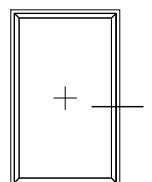
Section Detail



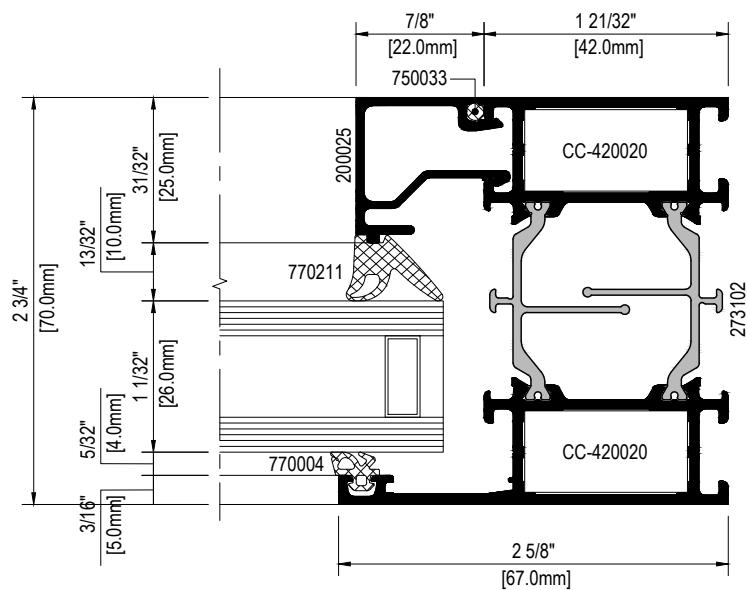
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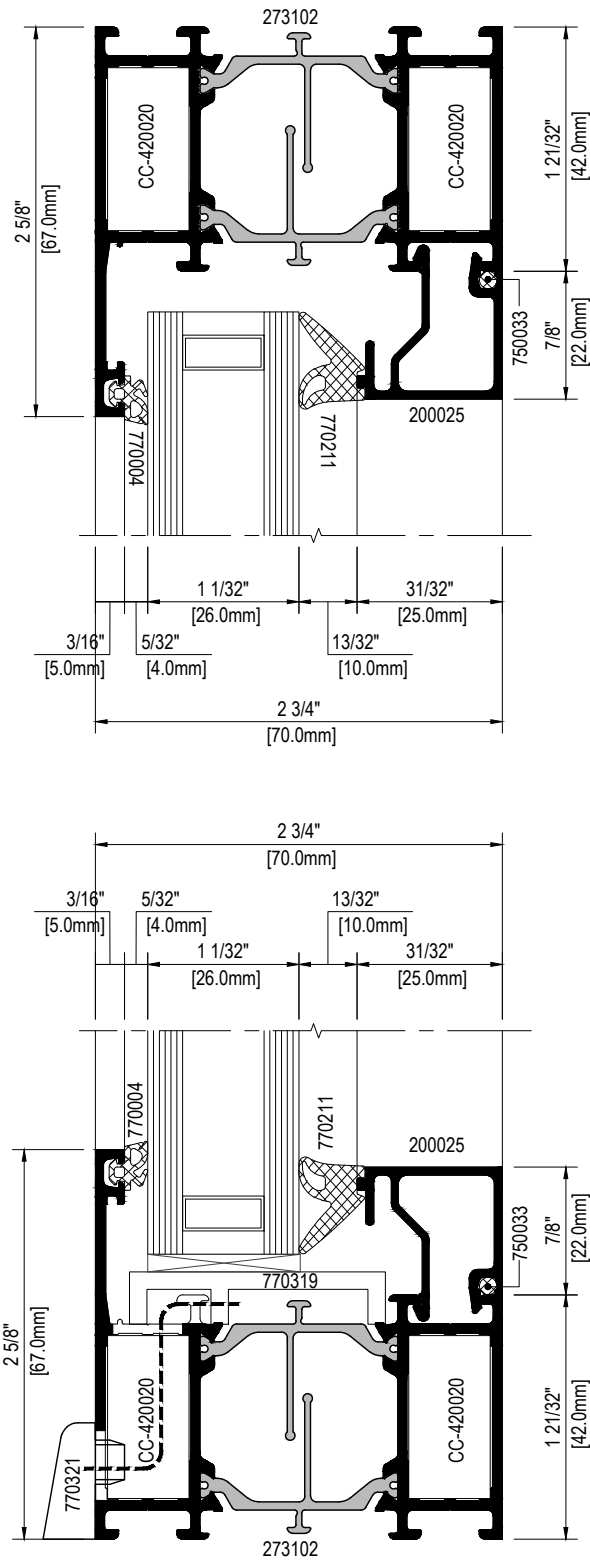
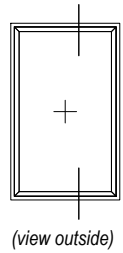
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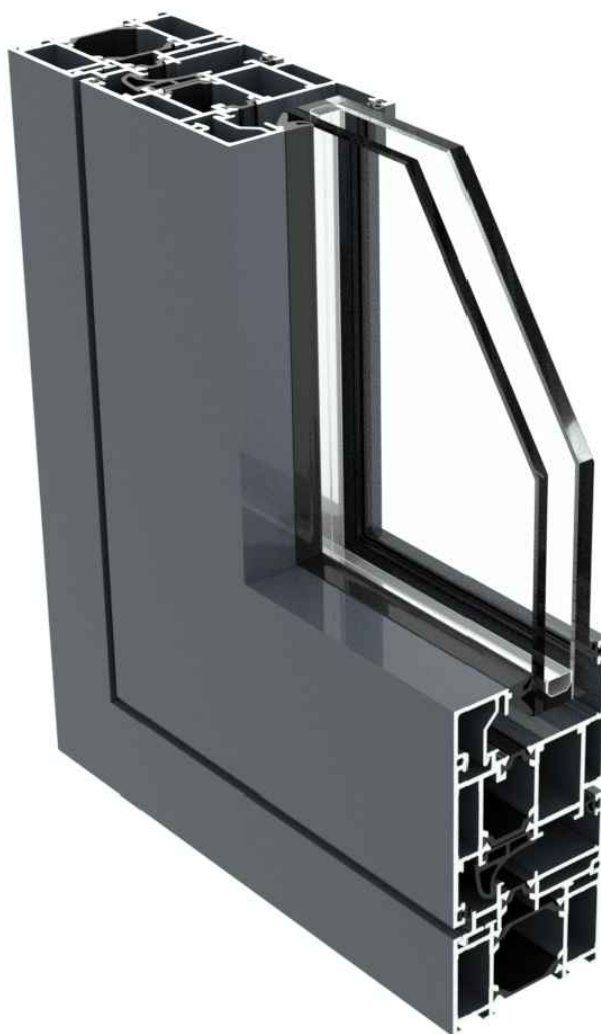
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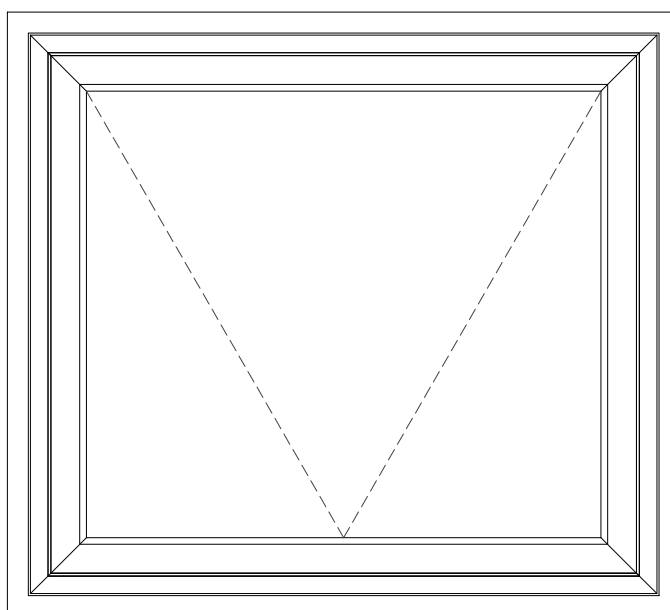
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S70+ TOP HUNG WINDOW TYPICAL SYSTEM DETAILS

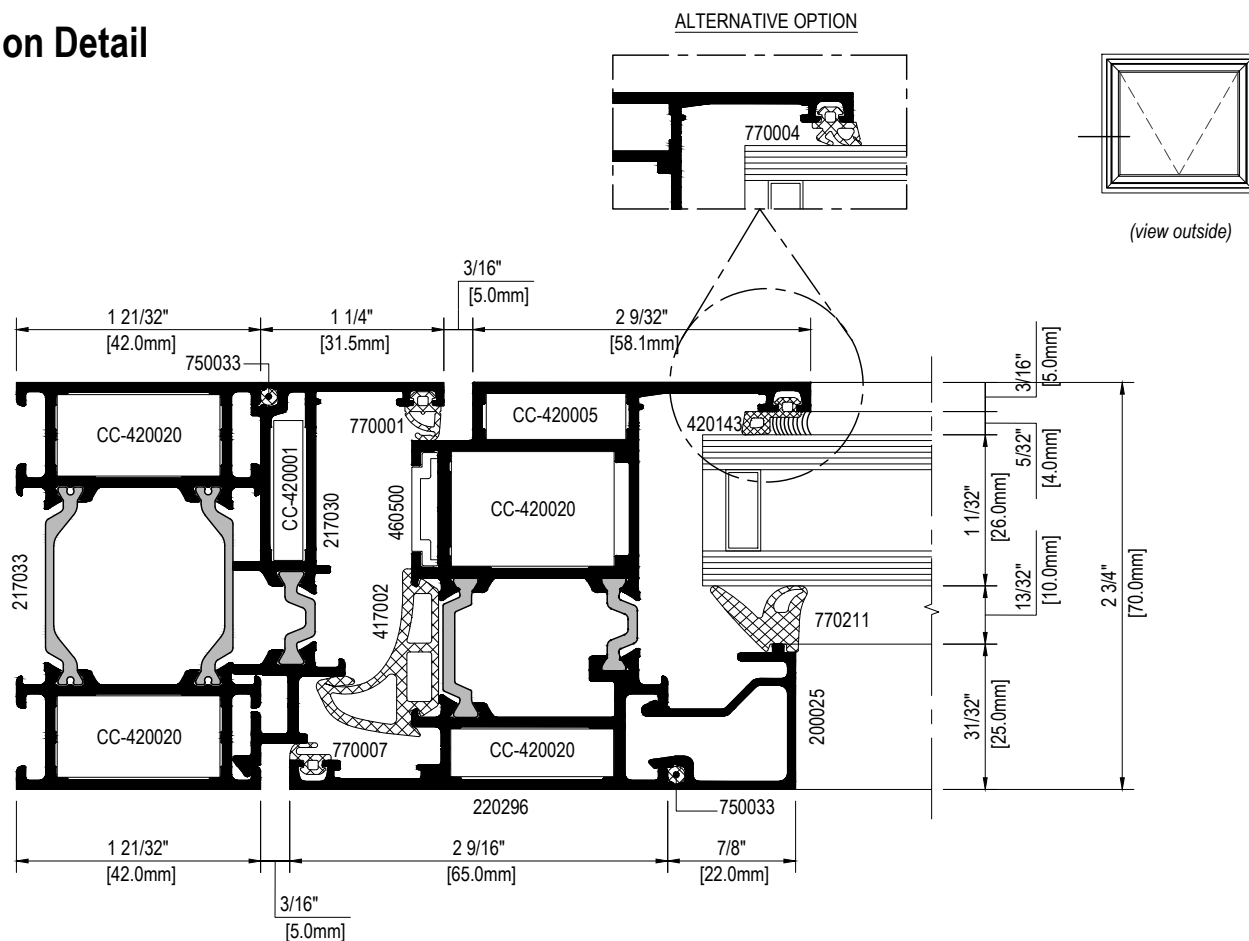


Type of Opening (View Outside)

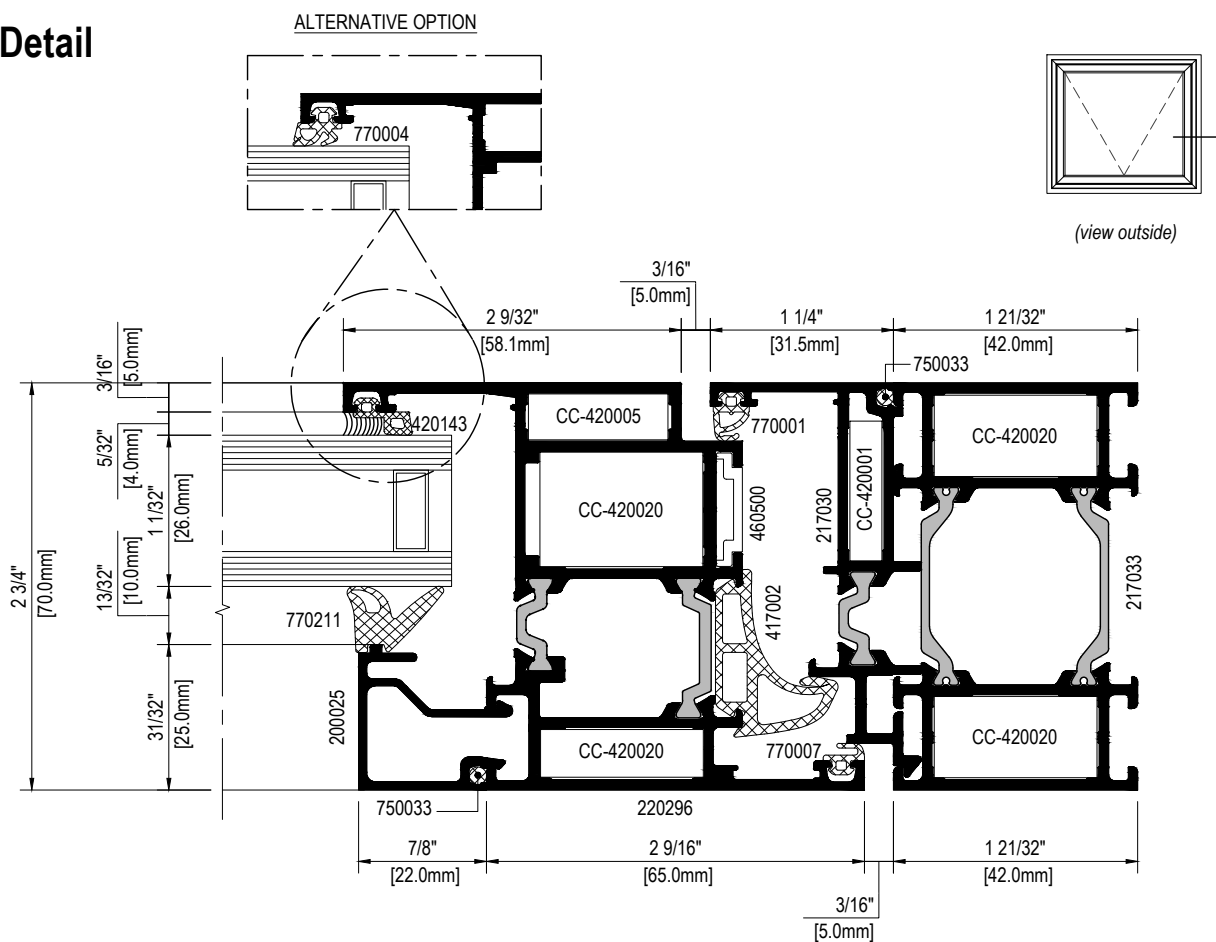


TOP HUNG WINDOW
(Open-Out)
Glazing Bead Outside

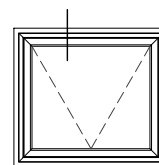
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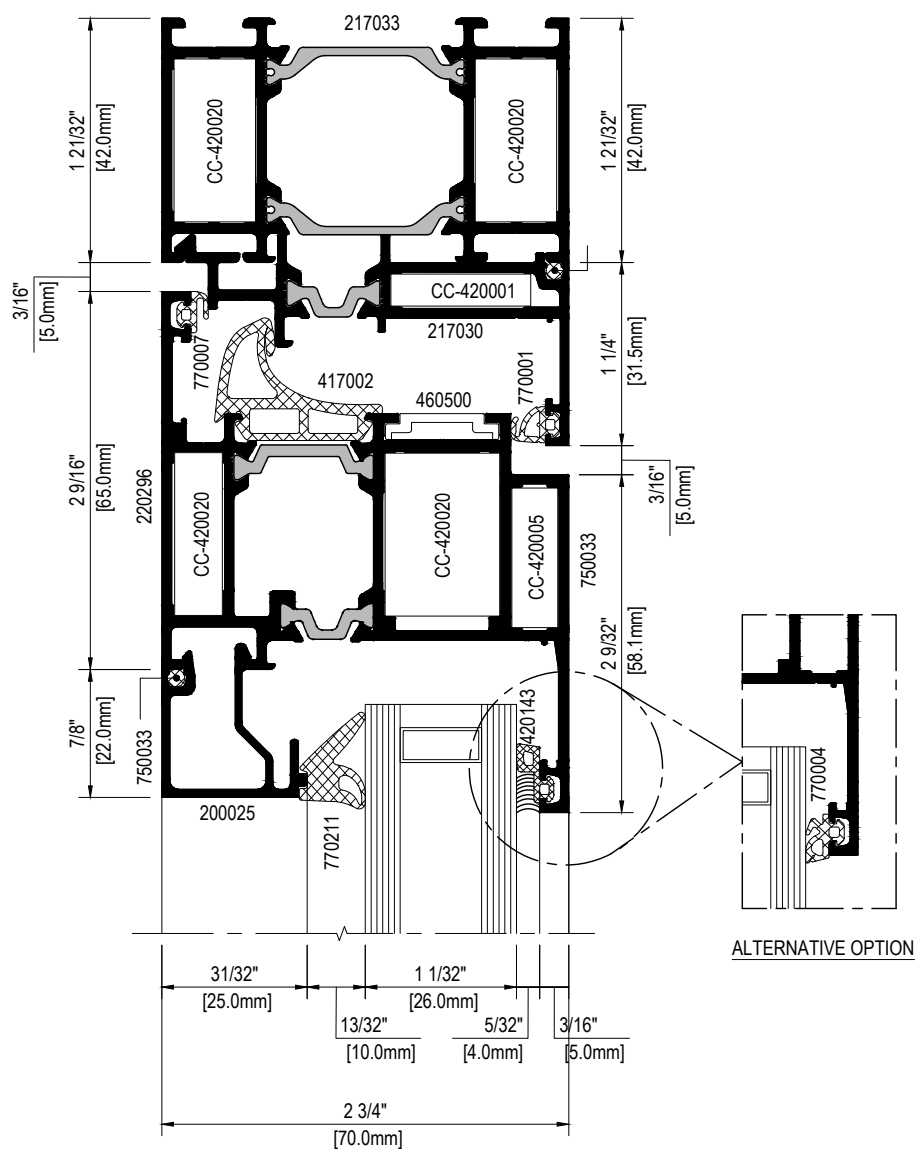
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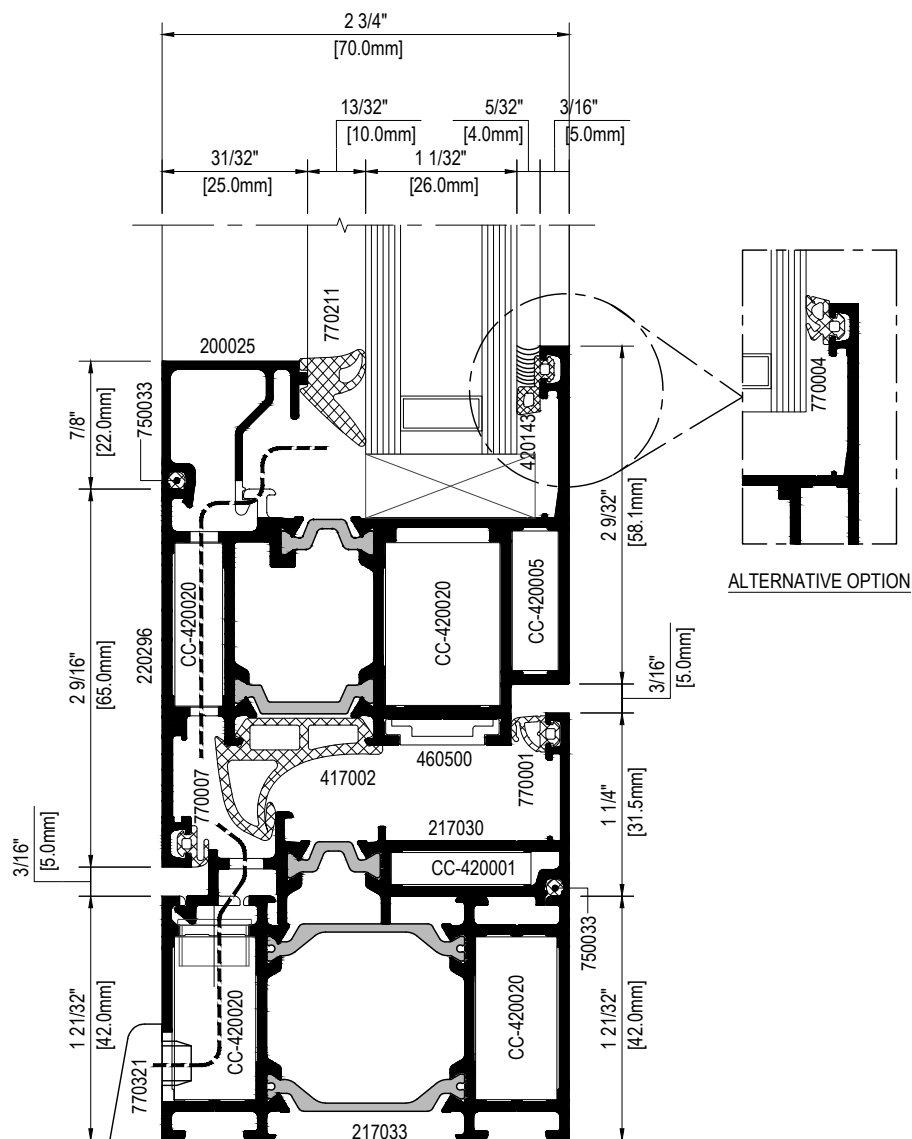
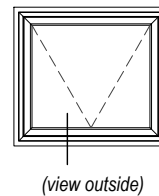
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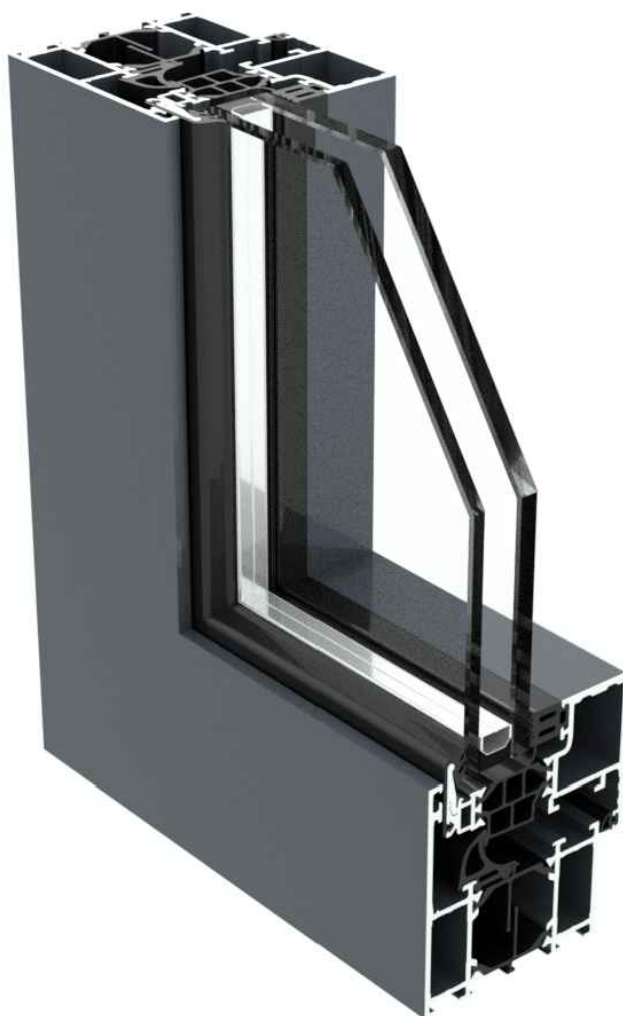
(view outside)



Section Detail

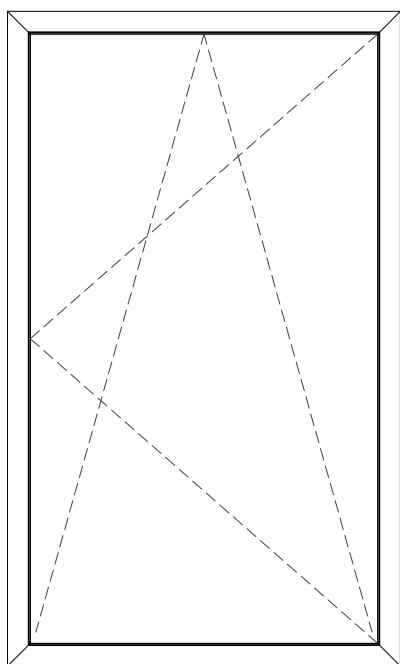


S70V+ TILT & TURN WINDOW TYPICAL SYSTEM DETAILS

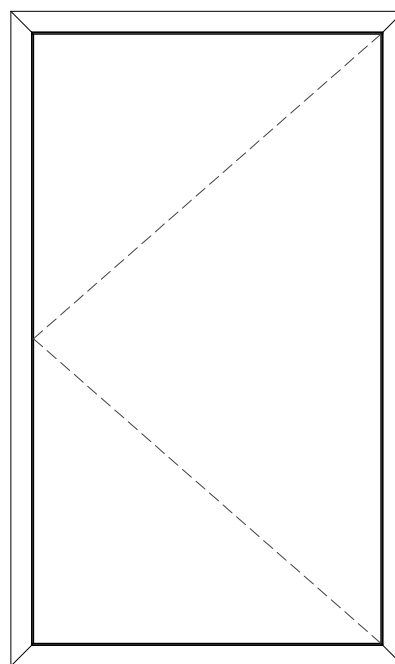




Type of Opening (View Outside)

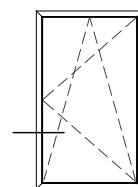
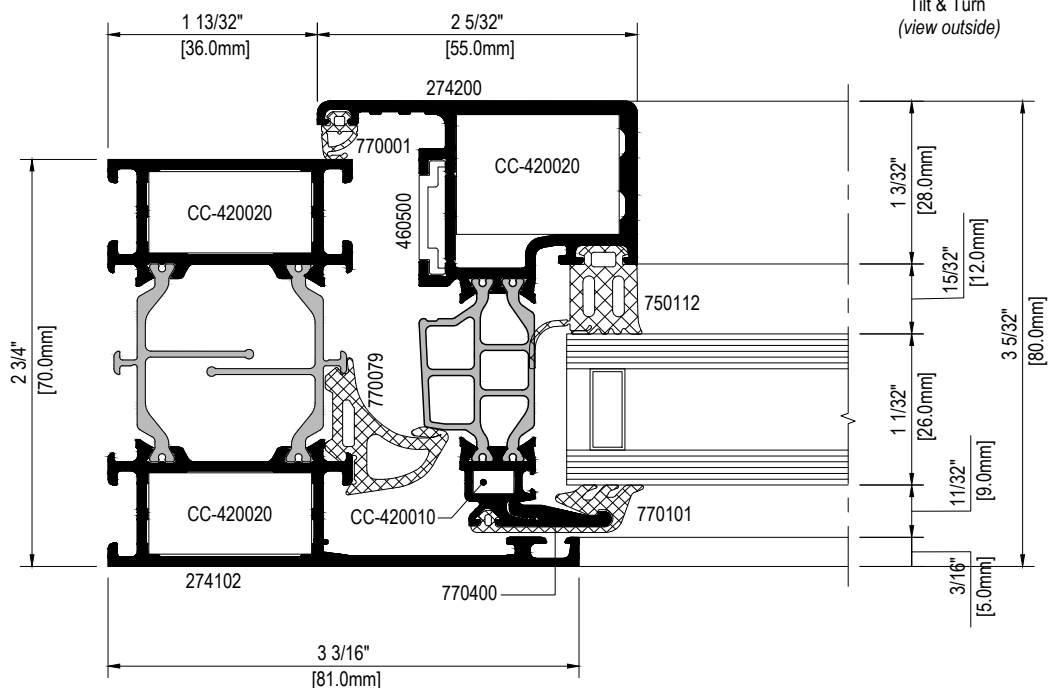


TILT & TURN
Open - In

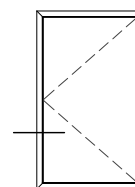


TURN ONLY
Open - In

Section Detail

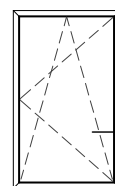
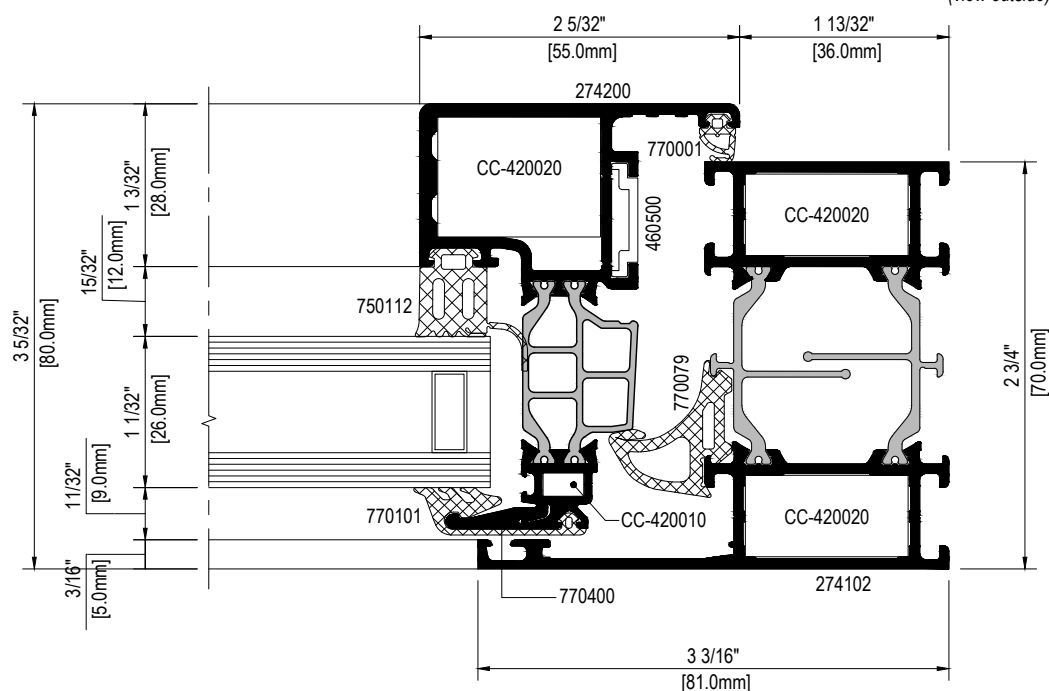


Tilt & Turn
(view outside)

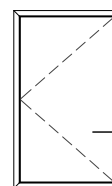


Turn Only
(view outside)

Section Detail

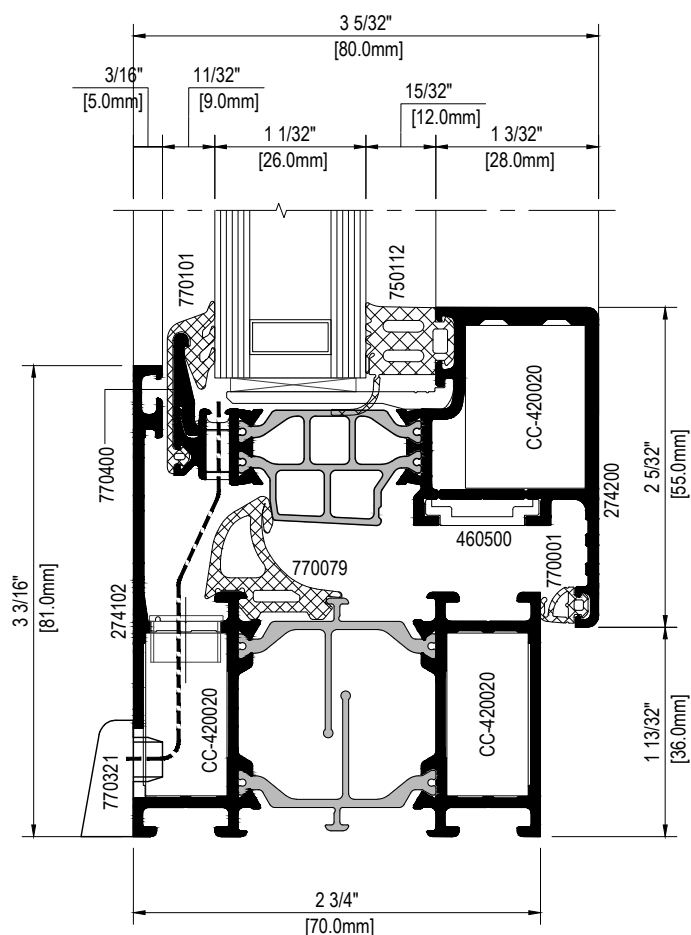
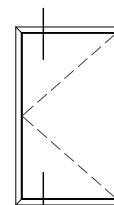
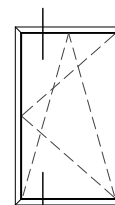
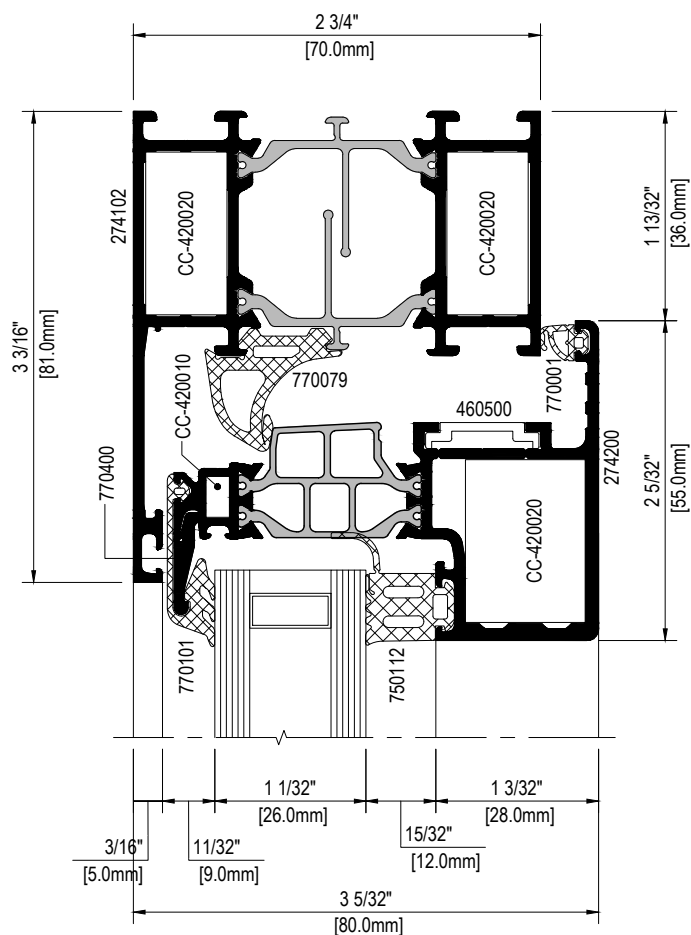


Tilt & Turn
(view outside)



Turn Only
(view outside)

Section Detail



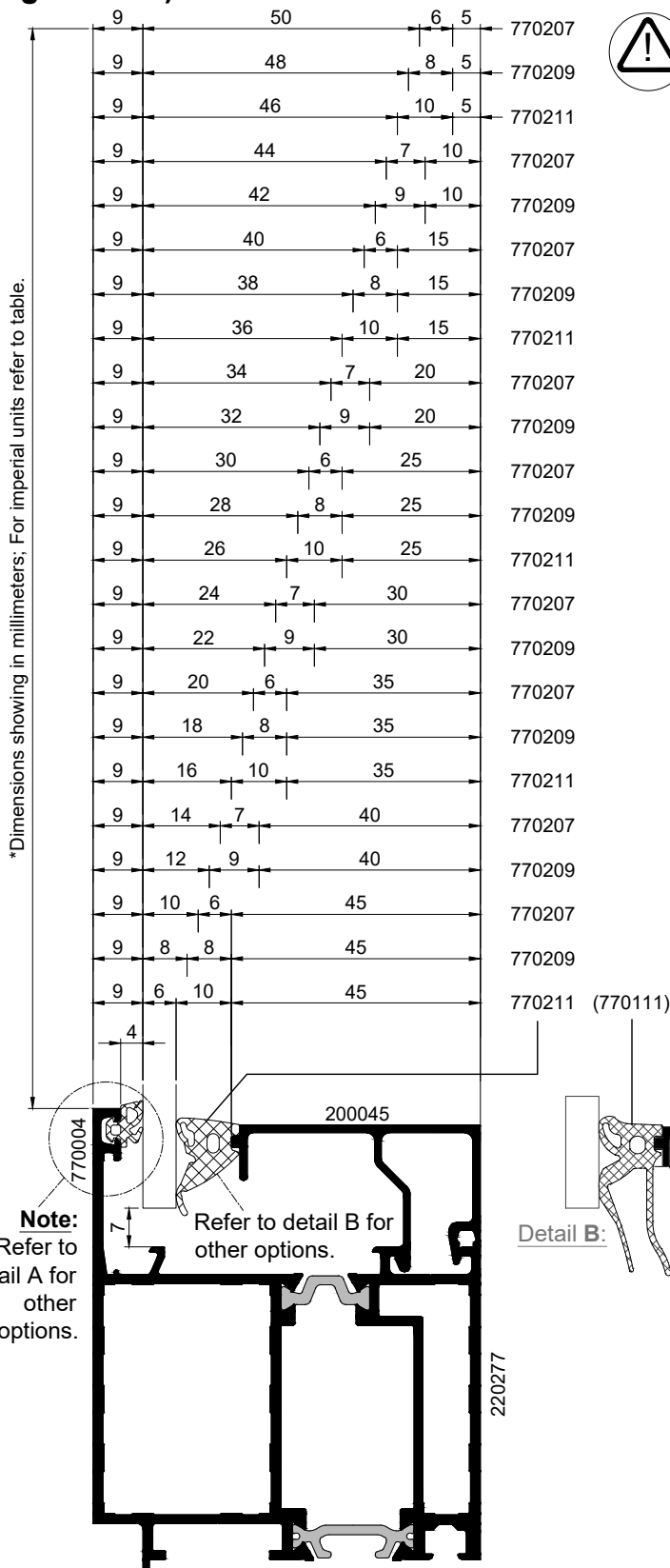
For your notes

Date

GLAZING TABLE DETAILS



S70+ (with Gasket 770004) - Panel Thickness Frame 1/4" - 1 31/32"(6mm - 50mm) (Hinged Door)



Gap width for Glazing gaskets

770107 / 770207 = 1/4" - 9/32"(6mm - 7mm)

770109 / 770209 = 5/16" - 11/32"(8mm - 9mm)

770111 / 770211 = 13/32" - 7/16"(10mm - 11mm)

Variations for application of outer and inner glazing gaskets 770014 & 420143, 770107 - 770111 only by devoid of thermal insulation requirement

Detail A:

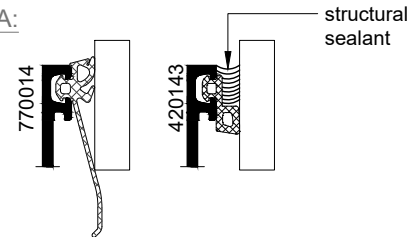


Table for Outer glazing gaskets and glazing bars

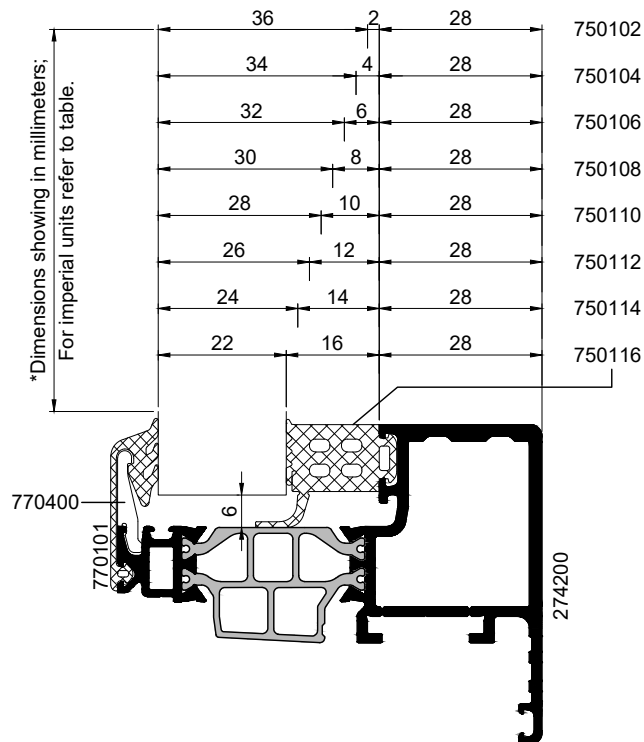
The tables always apply to dry glazing via specified EPDM profiles.

Frame					
inner glazing gasket 770004 or variation (see above)					
Filling thickness	Outer glazing gasket			Glazing bar no.	Dim.
	Variation Gasket no.	Gasket no.	Dim.		
1/4" [6mm]	770111	770211	13/32" [10mm]	200045	1 25/32" [45mm]
5/16" [8mm]	770109	770209	5/16" [8mm]	200045	1 25/32" [45mm]
13/32" [10mm]	770107	770207	1/4" [6mm]	200045	1 25/32" [45mm]
15/32" [12mm]	770109	770209	11/32" [9mm]	200040	1 9/16" [40mm]
9/16" [14mm]	770107	770207	9/32" [7mm]	200040	1 9/16" [40mm]
5/8" [16mm]	770111	770211	13/32" [10mm]	200035	1 3/8" [35mm]
23/32" [18mm]	770109	770209	5/16" [8mm]	200035	1 3/8" [35mm]
25/32" [20mm]	770107	770207	1/4" [6mm]	200035	1 3/8" [35mm]
7/8" [22mm]	770109	770209	11/32" [9mm]	200030	1 3/16" [30mm]
15/16" [24mm]	770107	770207	9/32" [7mm]	200030	1 3/16" [30mm]
1 1/32" [26mm]	770111	770211	13/32" [10mm]	200025	31/32" [25mm]
1 3/32" [28mm]	770109	770209	5/16" [8mm]	200025	31/32" [25mm]
1 3/16" [30mm]	770107	770207	1/4" [6mm]	200025	31/32" [25mm]
1 1/4" [32mm]	770109	770209	11/32" [9mm]	200020	25/32" [20mm]
1 11/32" [34mm]	770107	770207	9/32" [7mm]	200020	25/32" [20mm]
1 13/32" [36mm]	770111	770211	13/32" [10mm]	200015	19/32" [15mm]
1 1/2" [38mm]	770109	770209	5/16" [8mm]	200015	19/32" [15mm]
1 9/16" [40mm]	770107	770207	1/4" [6mm]	200015	19/32" [15mm]
1 21/32" [42mm]	770109	770209	11/32" [9mm]	203010	13/32" [10mm]
1 23/32" [44mm]	770107	770207	9/32" [7mm]	203010	13/32" [10mm]
1 13/16" [46mm]	770111	770211	13/32" [10mm]	203005	3/16" [5mm]
1 7/8" [48mm]	770109	770209	5/16" [8mm]	203005	3/16" [5mm]
1 31/32" [50mm]	770107	770207	1/4" [6mm]	203005	3/16" [5mm]

Note:

The tables facilitate prior theoretical planning, which may require a higher or lower seal during practical implementation based on actual glass and filling thickness.

S70V+ Panel Thickness for Sash (274200) 7/8" - 1 13/32"(22mm - 36mm) (Tilt & Turn Window)



Sash 274200			
Outer glazing gasket 770101			
Filling thickness	Inner glazing gasket		Glazing bar no.
	Gasket no.	Dim.	
7/8" [22mm]	750116	5/8" [16mm]	770400
15/16" [24mm]	750114	9/16" [14mm]	770400
1 1/32" [26mm]	750112	15/32" [12mm]	770400
1 3/32" [28mm]	750110	13/32" [10mm]	770400
1 3/16" [30mm]	750108	5/16" [8mm]	770400
1 1/4" [32mm]	750106	1/4" [6mm]	770400
1 11/32" [34mm]	750104	5/32" [4mm]	770400
1 13/32" [36mm]	750102	3/32" [2mm]	770400

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