

500 SERIES

INSUL - TEC



FULLY WELDED REPLACEMENT VINYL WINDOWS

500 series Insul-Tec window includes: Euro-White vinyl welded frame and sash, and extra strength double insulated glass. Tempered glass extends lead time.

Rough opening size orders will be cut back: ¼" width & ½" height for replacement and ½" width & ½" height for new construction windows.

Windows manufactured every 1/8" width & height

Energy Package glass includes: Low-E high performance glass, argon gas, and multi-layered warm edge spacer.

Color Options:

Solid colors include: cocoa (light brown) and almond (beige).

Exterior colors include: bronze (dark brown), cocoa (light brown), almond (beige), terra brown, basic brown, and sandstone.

Custom colors are also available (exterior only).

Setup charge for custom color: take standard color price and add per order \$ 476.20

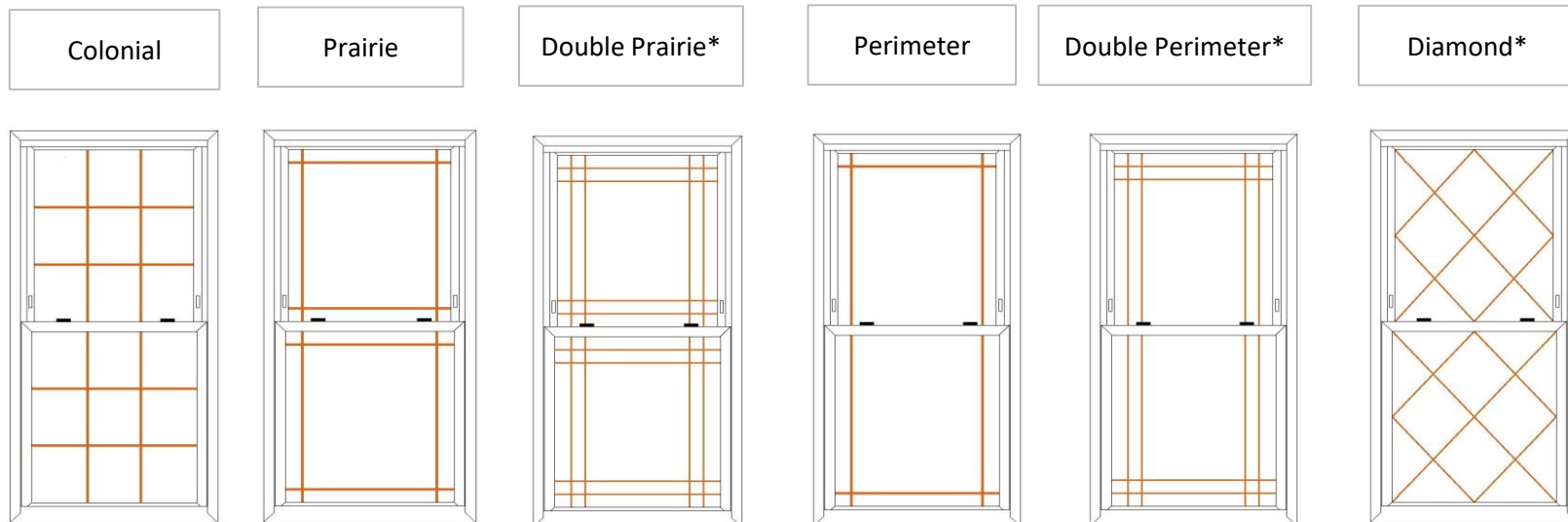
Pricebook released:	3/19/2019
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"0" mullion per linear inch	\$ 0.37
Factory mulled per mull	\$ 42.86
4 9/16" jamb extension per linear foot - white	\$ 2.52
6 9/16" jamb extension per linear foot - white	\$ 3.78
4 9/16" jamb extension per linear foot - pine wood	\$ 6.14
6 9/16" jamb extension per linear foot - pine wood	\$ 7.95
Brick mould per linear foot	\$ 5.55

TEMPERED GLASS UPCHARGE		
United Inches	Double Pane	Triple Pane
0-60	\$ 102.85	\$ 143.99
61-83	\$ 142.28	\$ 199.19
84-100	\$ 173.15	\$ 284.96
101-120	\$ 276.60	\$ 451.06
121-130	\$ 395.74	\$ 660.43
131-140	\$ 457.45	\$ 789.36
141-150	\$ 625.53	\$ 1,088.51

NOTES

GRID STYLES



Colonial and prairie grid available as flat narrow, flat wide, contour narrow and contour wide; they may also have SDL. Grid styles marked with asterisks do not come with SDL, may extend the lead time, must be quoted and may not be available with all grid materials and colors. Diamond grid available as flat narrow only with limited color options.

DH500 Insul-Tec - Welded Replacement Double Hung

Width Min/Max - 16-52", Height Min/Max - 27-85", UI Max - 130



United Inches	WINDOW				GLASS					
	EUROWHITE	BEIGE	COCOA	Standard exterior color**	Energy Package	Sun Seal	Tempered	Obscure	XR-9 - Triple Pane Glass + Argon	XR-10 - Triple Pane Glass + Krypton
0 - 60	\$ 258.57	\$ 289.60	\$ 310.29	\$ 165.71	\$ 27.43	\$ 59.43	Please see front page price chart	\$ 25.71	\$ 85.00	\$ 220.00
61 - 83	\$ 284.29	\$ 318.40	\$ 341.14	\$ 165.71	\$ 37.94	\$ 69.94		\$ 35.57	\$ 85.00	\$ 220.00
84 - 101	\$ 294.46	\$ 329.79	\$ 353.35	\$ 165.71	\$ 46.17	\$ 78.17		\$ 43.29	\$ 85.00	\$ 220.00
over 101- add per UI	\$ 4.77	\$ 5.34	\$ 5.73	\$ 187.14	\$ 0.63	\$ 1.26		\$ 0.44	\$ 85.00	\$ 220.00

United Inches	GRID (price per whole window)					OTHER				
	Flat Colonial or Prairie (5/8" or 13/16") GBG*	Contour Colonial or Prairie (11/16") GBG*	Contour Colonial or Prairie (1") GBG*	Upcharges for 2 tone grid - price per UI		Full screen	Locking screen	Foam filled frame & sash	Self locking locks	Frame with nailing fin
0 - 60	\$ 29.14	\$ 34.86	\$ 38.00	Flat	\$ 0.23	\$ 11.43	\$ 17.14	\$ 23.80	\$ 11.89	\$ 7.00
61 - 87	\$ 40.31	\$ 46.03	\$ 52.29	Contour	\$ 0.26	\$ 15.71	\$ 23.57	\$ 23.80	\$ 11.89	\$ 7.00
88 - 101	\$ 49.06	\$ 54.77	\$ 62.86			\$ 18.57	\$ 27.86	\$ 23.80	\$ 11.89	\$ 7.00
over 101- add per UI	\$ 0.57	\$ 0.66	\$ 0.74			\$ 22.86	\$ 34.29	\$ 23.80	\$ 11.89	\$ 7.00

DH500 includes: exterior foam applied (2 sides), double cam locks from 24" width, dual vent latches, half screen, expander & sill angle

4 9/16" jamb extension per linear foot - primed white \$ 2.52

6 9/16" jamb extension per linear foot - primed white \$ 3.78

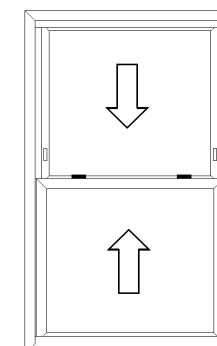
4 9/16" jamb extension per linear foot - pine wood \$ 6.14

6 9/16" jamb extension per linear foot - pine wood \$ 7.95

Factory mulled \$ 42.86

Brick mould per linear foot \$ 5.55

Oriel/cottage \$ 42.86



* GBG - Grid between glass

** Full screen included

SH505 Insul-Tec - Welded Replacement Single Hung

Width Min/Max - 16-48", Height Min/Max - 27-80", UI Max - 115



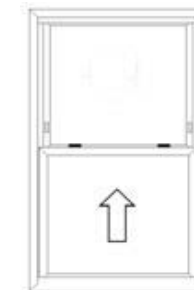
United Inches	WINDOW				GLASS					
	EUROWHITE	BEIGE	COCOA	Standard exterior color	Energy Package	Sun Seal	Tempered	Obscure	XR-9 - Triple Pane Glass + Argon	XR-10 - Triple Pane Glass + Krypton
0 - 60	\$ 259.57	\$ 290.72	\$ 311.48	\$ 150.00	\$ 27.43	\$ 59.43	Please see front page price chart	\$ 25.71	\$ 85.00	\$ 220.00
61 - 83	\$ 285.29	\$ 319.52	\$ 342.35	\$ 150.00	\$ 37.94	\$ 69.94		\$ 35.57	\$ 85.00	\$ 220.00
84 - 101	\$ 295.46	\$ 330.92	\$ 354.55	\$ 150.00	\$ 46.17	\$ 78.17		\$ 43.29	\$ 85.00	\$ 220.00
over 101- add per UI	\$ 4.77	\$ 5.34	\$ 5.72	\$ 171.43	\$ 0.63	\$ 1.26		\$ 0.44	\$ 85.00	\$ 220.00

United Inches	GRID (price per whole window)					OTHER		
	Flat Colonial or Prairie (5/8" or 13/16") GBG*	Contour Colonial or Prairie (11/16") GBG*	Contour Colonial or Prairie (1") GBG*	Upcharges for 2 tone grid - price per UI		Foam filled frame & sash	Self locking locks	Frame with nailing fin
0 - 60	\$ 29.14	\$ 34.86	\$ 38.00	Flat	\$ 0.23	\$ 23.80	\$ 11.89	\$ 7.00
61 - 87	\$ 40.31	\$ 46.03	\$ 52.29	Contour	\$ 0.26	\$ 23.80	\$ 11.89	\$ 7.00
88 - 101	\$ 49.06	\$ 54.77	\$ 62.86			\$ 23.80	\$ 11.89	\$ 7.00
over 101- add per UI	\$ 0.57	\$ 0.66	\$ 0.74			\$ 23.80	\$ 11.89	\$ 7.00

SH505 includes: exterior foam applied (2 sides), double cam locks over 24" width, dual vent latches, half screen, expander & sill angle

4 9/16" jamb extension per linear foot - primed white	\$ 2.52
6 9/16" jamb extension per linear foot - primed white	\$ 3.78
4 9/16" jamb extension per linear foot - pine wood	\$ 6.14
6 9/16" jamb extension per linear foot - pine wood	\$ 7.95
Factory mulled	\$ 42.86
Brick mould per linear foot	\$ 5.55

Oriel/cottage \$ 42.86



* GBG - Grid between glass

SL520 Insul-Tec Welded Replacement 2-lite Slider

Width Min/Max - 27'-80", Height Min/Max - 16-67", UI Max - 132



United Inches	WINDOW				GLASS					
	EUROWHITE	BEIGE	COCOA	Standard exterior color**	Energy Package	Sun Seal	Tempered	Obscure	XR-9 - Triple Pane Glass + Argon	XR-10 - Triple Pane Glass + Krypton
0 - 60	\$ 238.57	\$ 267.20	\$ 286.29	\$ 165.71	\$ 27.43	\$ 59.43	Please see front page price chart	\$ 25.71	\$ 85.00	\$ 220.00
61 - 83	\$ 272.86	\$ 305.60	\$ 327.43	\$ 165.71	\$ 37.94	\$ 69.94		\$ 35.57	\$ 85.00	\$ 220.00
84 - 101	\$ 315.71	\$ 353.60	\$ 378.86	\$ 165.71	\$ 46.17	\$ 78.17		\$ 43.29	\$ 85.00	\$ 220.00
over 101 - add per UI	\$ 5.09	\$ 5.70	\$ 6.10	\$ 187.14	\$ 0.63	\$ 1.26		\$ 0.44	\$ 85.00	\$ 220.00

United Inches	GRID (price per whole window)					OTHER			
	Flat Colonial or Prairie (5/8" or 13/16") GBG*	Contour Colonial or Prairie (11/16") GBG*	Contour Colonial or Prairie (1") GBG*	Upcharges for 2 tone grid - price per UI		Full screen	Foam filled frame & sash	Self locking locks	Frame with nailing fin
0 - 60	\$ 29.14	\$ 34.86	\$ 38.00	Flat	\$ 0.23	\$ 11.43	\$ 23.80	\$ 11.89	\$ 7.00
61 - 87	\$ 40.31	\$ 46.03	\$ 52.29	Contour	\$ 0.26	\$ 15.71	\$ 23.80	\$ 11.89	\$ 7.00
88 - 101	\$ 49.06	\$ 54.77	\$ 62.86			\$ 18.57	\$ 23.80	\$ 11.89	\$ 7.00
over 101 - add per UI	\$ 0.57	\$ 0.66	\$ 0.74			\$ 22.86	\$ 23.80	\$ 11.89	\$ 7.00

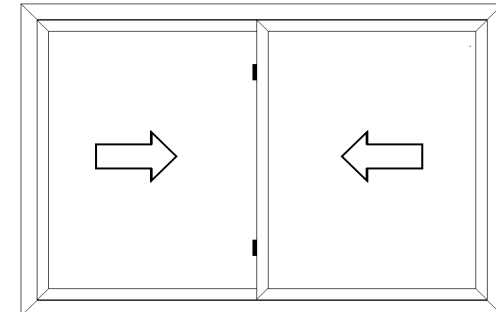
SL520 includes: exterior foam applied (2 sides), double cam locks over 24" height, half screen, expander & sill angle

9/16" jamb extension per linear foot - primed white	\$ 2.52
9/16" jamb extension per linear foot - primed white	\$ 3.78
4 9/16" jamb extension per linear foot - pine wood	\$ 6.14
6 9/16" jamb extension per linear foot - pine wood	\$ 7.95
Factory mulled	\$ 42.86
Brick mould per linear foot	\$ 5.55

EzSlide (per ft width) \$ 10.00

* GBG - Grid between glass

** Full screen included



SL525 Insul-Tec - Welded Replacement 3-lite Slider

For ratio ¼ - ½ - ¾: Width Min/Max - 56-108", Height Min/Max - 16-67", UI Max - 140

For ratio ⅓ - ⅔ - 1: Width Min/Max - 39-108", Height Min/Max - 16-67", UI Max - 140



United Inches	WINDOW				GLASS					
	EUROWHITE	BEIGE	COCOA	Standard exterior color**	Energy Package	Sun Seal	Tempered	Obscure	XR-9 - Triple Pane Glass + Argon	XR-10 - Triple Pane Glass + Krypton
0 - 83	\$ 335.14	\$ 375.36	\$ 402.17	\$ 165.71	\$ 37.94	\$ 69.94	Please see front page price chart	\$ 35.57	\$ 125.00	\$ 320.00
84 - 101	\$ 389.14	\$ 435.84	\$ 466.97	\$ 165.71	\$ 46.17	\$ 78.17		\$ 43.29	\$ 125.00	\$ 320.00
over 101- add per UI	\$ 5.43	\$ 6.08	\$ 6.51	\$ 187.14	\$ 0.63	\$ 1.26		\$ 0.44	\$ 125.00	\$ 320.00

United Inches	GRID (price per 1 sash)					OTHER			
	Flat Colonial or Prairie (5/8" or 13/16") GBG*	Contour Colonial or Prairie (11/16") GBG*	Contour Colonial or Prairie (1") GBG*	Upcharges for 2 tone grid - price per UI		Full screen	Foam filled frame & sash	Self locking locks	Frame with nailing fin
0 - 83	\$ 23.71	\$ 27.27	\$ 30.83	Flat	\$ 0.23	\$ 15.71	\$ 23.80	\$ 23.77	\$ 7.00
84 - 101	\$ 28.86	\$ 33.19	\$ 37.51	Contour	\$ 0.26	\$ 18.57	\$ 23.80	\$ 23.77	\$ 7.00
over 101	\$ 34.29	\$ 39.43	\$ 44.57			\$ 22.86	\$ 23.80	\$ 23.77	\$ 7.00

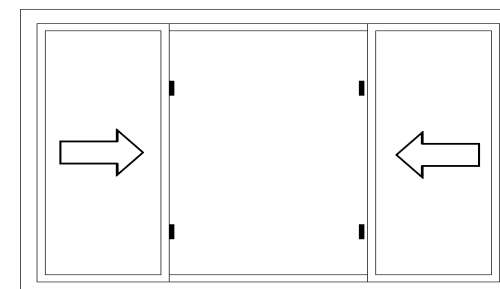
SL525 includes: exterior foam applied (2 sides), double cam locks over 24" height, two half screens, expander & sill angle

1 9/16" jamb extension per linear foot - primed white	\$ 2.52
3 9/16" jamb extension per linear foot - primed white	\$ 3.78
4 9/16" jamb extension per linear foot - pine wood	\$ 6.14
6 9/16" jamb extension per linear foot - pine wood	\$ 7.95
Factory mulled	\$ 42.86
Brick mould per linear foot	\$ 5.55

EzSlide (per ft width) \$ 10.00

* GBG - Grid between glass

** Full screen included



PW510 Insul-Tec - Welded Replacement Picture Window

Width Min/Max - 11-84", Height Min/Max - 11-84", UI Max - 140

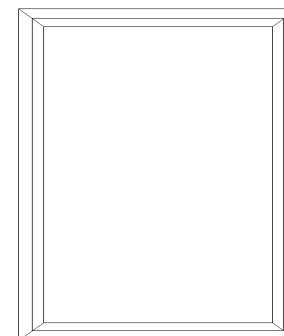


United Inches	WINDOW				GLASS					
	EUROWHITE	BEIGE	COCOA	Standard exterior color	Energy Package	Sun Seal	Tempered	Obscure	XR-9 - Triple Pane Glass + Argon	XR-10 - Triple Pane Glass + Krypton
0 - 60	\$ 191.43	\$ 214.40	\$ 229.71	\$ 150.00	\$ 27.43	\$ 59.43	Please see front page price chart	\$ 25.71	\$ 85.00	\$ 220.00
61 - 83	\$ 253.86	\$ 284.32	\$ 304.63	\$ 150.00	\$ 37.94	\$ 69.94		\$ 35.57	\$ 85.00	\$ 220.00
84 - 101	\$ 304.71	\$ 341.28	\$ 365.66	\$ 150.00	\$ 46.17	\$ 78.17		\$ 43.29	\$ 85.00	\$ 220.00
over 101- add per UI	\$ 4.14	\$ 4.64	\$ 4.97	\$ 187.14	\$ 0.63	\$ 1.26		\$ 0.44	\$ 127.44	\$ 262.44

United Inches	GRID (price per whole window)					OTHER	
	Flat Colonial or Prairie (5/8" or 13/16") GBG*	Contour Colonial or Prairie (11/16") GBG*	Contour Colonial or Prairie (1") GBG*	Upcharges for 2 tone grid - price per UI		Foam filled frame	Frame with nailing fin
0 - 60	\$ 29.14	\$ 34.86	\$ 38.00	Flat	\$ 0.23	\$ 23.80	\$ 7.00
61 - 87	\$ 40.31	\$ 46.03	\$ 52.29	Contour	\$ 0.26	\$ 23.80	\$ 7.00
88 - 101	\$ 49.06	\$ 54.77	\$ 62.86			\$ 23.80	\$ 7.00
over 101- add per UI	\$ 0.57	\$ 0.66	\$ 0.74			\$ 23.80	\$ 7.00

PW510 includes: exterior foam applied (2 sides), expander & sill angle

Units over 120 UI may come with metal spacer



Triple Strength Glass upcharge	
Additional upcharge for each UI over 130	\$ 4.55

* GBG - Grid between glass

4 9/16" jamb extension per linear foot - primed white	\$ 2.52
6 9/16" jamb extension per linear foot - primed white	\$ 3.78
4 9/16" jamb extension per linear foot - pine wood	\$ 6.14
6 9/16" jamb extension per linear foot - pine wood	\$ 7.95
Factory mulled	\$ 42.86
Brick mould per linear foot	\$ 5.55

DL550 - Welded Replacement Deadlite

Width Min/Max - 10-60", Height Min/Max - 10-66", UI Max - 125



WINDOW		
Eurowhite	Standard exterior color	Custom exterior color - take standard exterior color price and add 1-time charge
\$ 1.20 per UI **	\$ 85.71	\$ 476.19 per order

**Minimum price (net) - \$45.00



United Inches	GLASS					
	Energy Package	Sun Seal	Tempered	Obscure	XR-9 - Triple Pane Glass + Argon	XR-10 - Triple Pane Glass + Krypton
0 - 60	\$ 27.43	\$ 59.43	Please see front page price chart	\$ 25.71	\$ 85.00	\$ 220.00
61 - 88	\$ 37.94	\$ 69.94		\$ 35.57	\$ 85.00	\$ 220.00
89 - 101	\$ 46.17	\$ 78.17		\$ 43.29	\$ 85.00	\$ 220.00
over 101- add per UI	\$ 0.63	\$ 1.26		\$ 0.43	\$ 85.00	\$ 220.00

United Inches	GRID (price per whole window)					OTHER	
	Flat Colonial or Prairie (5/8" or 13/16") GBG*	Contour Colonial or Prairie (11/16") GBG*	Contour Colonial or Prairie (1") GBG*	Upcharges for 2 tone grid - price per UI		Foam filled frame	Frame with nailing fin
0 - 60	\$ 29.14	\$ 34.86	\$ 38.00	Flat	\$ 0.23	\$ 23.80	\$ 7.00
61 - 87	\$ 40.31	\$ 46.03	\$ 52.29	Contour	\$ 0.26	\$ 23.80	\$ 7.00
88 - 101	\$ 49.06	\$ 54.77	\$ 62.86			\$ 23.80	\$ 7.00
over 101- add per UI	\$ 0.57	\$ 0.66	\$ 0.74			\$ 23.80	\$ 7.00

DL550 includes: sash vinyl frame (1 1/8") with no locks/handles

* GBG - Grid between glass

BH570 - Welded Replacement Basement Hopper

Width Min/Max - 13-36", Height Min/Max - 14-24", UI Max - 55 UI



United Inches	WINDOW				GLASS					
	EUROWHITE	BEIGE	COCOA	Standard exterior color	Energy Package	Sun Seal	Tempered	Obscure	XR-9 - Triple Pane Glass + Argon	XR-10 - Triple Pane Glass + Krypton
0 - 40	\$ 157.14	\$ 176.00	\$ 188.57	\$ 150.00	\$ 18.29	\$ 50.29	Please see front page price chart	\$ 17.14	\$ 85.00	\$ 220.00
41 - 55	\$ 171.43	\$ 192.00	\$ 205.71	\$ 150.00	\$ 22.86	\$ 54.86		\$ 21.43	\$ 85.00	\$ 220.00

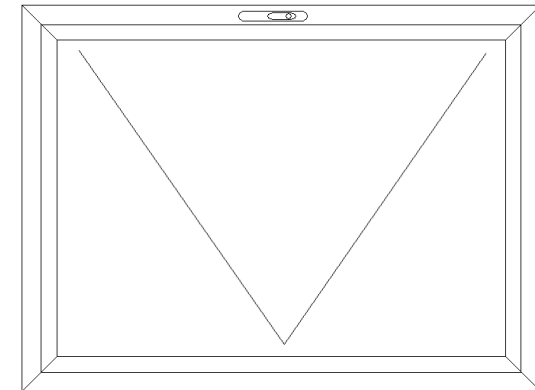
United Inches	GRID (price per whole window)					OTHER	
	Flat Colonial or Prairie (5/8" or 13/16") GBG*	Contour Colonial or Prairie (11/16") GBG*	Contour Colonial or Prairie (1") GBG*	Upcharges for 2 tone grid - price per UI		Foam filled frame	Frame with nailing fin
0 - 40	\$ 19.43	\$ 22.00	\$ 25.06	Flat	\$ 0.23	\$ 23.80	\$ 7.00
41 - 55	\$ 24.29	\$ 27.14	\$ 31.34	Contour	\$ 0.26	\$ 23.80	\$ 7.00

BH570 includes: exterior foam applied (2 sides), full screen, expander & sill angle

4 9/16" jamb extension per linear foot - primed white	\$ 2.52
6 9/16" jamb extension per linear foot - primed white	\$ 3.78
4 9/16" jamb extension per linear foot - pine wood	\$ 6.14
6 9/16" jamb extension per linear foot - pine wood	\$ 7.95

Factory mulled	\$ 42.86
Plexiglass with dryer vent hole	\$ 47.62
Brick mould per linear foot	\$ 5.55

* GBG - Grid between glass



Welded Bay/Bow - Information



Welded Vinyl Bay/Bow

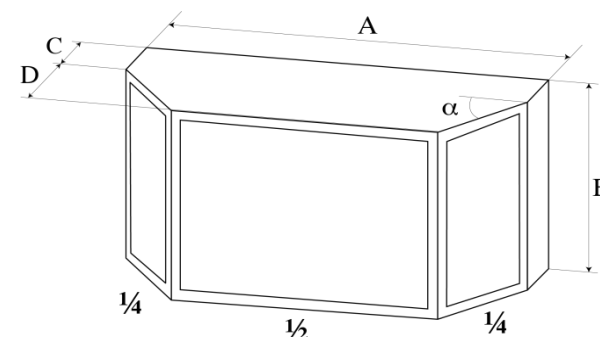
Oak Finished Box	\$ 177.63	Optional Operating Window	\$ 95.06
Box Bay / Bow to 12" Jamb (min. 10")	\$ 169.65	Extended Sill & Ears	\$ 117.45
Box Bay / Bow over 12 inches Jamb	\$ 300.15	Chain System	\$ 81.20
For Additional Window	quote	Edge Banding	\$ 4.53 per linear foot

Bay or Bow includes: 1 ¼" birch jamb, 2" insulated head and seat board, and two operating windows.

** A Roof is Required on Bay & Bow Whenever The Distance Between The Top of The Window and Overhang is More Than 8 Inches.
The Roof Should Extend At Least 2 Inches Beyond The Window sill. Bays & Bows MUST Be Installed With Knee Brackets or Cable System.

Bay windows may be split ⅓ - ⅓ - ⅓ or ¼- ½-¼

- A - Total Width
- B - Total Height
- C - Jamb Size
- D - Exterior Projection (without jamb size)
- α - Angle (10, 15, 30 or 45 degrees for Bay; 10 or 15 degrees for Bow)



Width, Height, Angle, and Jamb size must always be specified at the time of ordering.

Bay and Bow Windows may be made from casements, double hungs, and picture windows.

Standard hinging: LSR, PW-DH-PW, LSSR, PW-DH-DH-PW

(L/R - Left/Right Casement, S - Stationary (Picture) Window, DH - Double Hung, PW - Picture Window)

Estimated Exterior Projection Chart

30 degree BAY						45 degree BAY					
$\frac{1}{4} - \frac{1}{2} - \frac{1}{4}$			$\frac{1}{3} - \frac{1}{3} - \frac{1}{3}$			$\frac{1}{4} - \frac{1}{2} - \frac{1}{4}$			$\frac{1}{3} - \frac{1}{3} - \frac{1}{3}$		
Width	Ends	Proj.	Width	Ends	Proj.	Width	Ends	Proj.	Width	Ends	Proj.
50	11 3/4	6 1/2	50	16	8 1/2	50	12 1/2	10	50	17 1/2	13 1/2
55	13 1/4	7	55	18	9 1/2	55	14	11	55	19 3/4	15
60	14 1/2	7 3/4	60	19 3/4	10 1/2	60	15 1/2	12	60	21 3/4	16 1/2
65	15 3/4	8 1/2	65	21 1/2	11 1/4	65	17	13	65	24	18
70	17 1/4	9	70	23 1/2	12 1/4	70	18 1/4	14	70	26	19 1/2
75	18 1/2	9 3/4	75	25 1/4	13 1/4	75	19 3/4	15	75	28	20 3/4
80	19 3/4	10 1/2	80	27	14	80	21 1/4	16	80	30	22 1/4
85	21 1/4	11	85	29	15	85	22 3/4	17 1/4	85	32 1/4	24
90	22 1/2	11 3/4	90	30 3/4	15 3/4	90	24 1/4	18 1/2	90	34 1/4	25 1/4
95	23 3/4	12 1/2	95	32 1/2	16 3/4	95	25 3/4	19 1/4	95	36 1/4	26 3/4
100	25 1/4	13 1/4	100	34 1/2	17 3/4	100	27 1/4	20 1/4	100	38 1/2	28 1/4
102 2/4	25 3/4	13 1/2	102 1/2	35 1/4	18 1/4	102 1/2	28	20 3/4	102 1/2	39 1/2	29
105	26 1/2	13 3/4	105	36 1/4	18 3/4	105	28 1/2	21 1/2	105	40 1/2	29 1/2
107 2/4	27 1/4	14 1/4	107 1/2	37 1/4	19	107 1/2	29 1/4	22	107 1/2	41 1/2	30 1/2
110	27 3/4	14 1/2	110	38	19 3/4	110	30	22 1/2	110	42 1/2	31 1/4
112 2/4	28 1/2	15	112 1/2	39	20 1/4	112 1/2	30 3/4	23	112 1/2	43 1/2	32
115	29 1/4	15 1/4	115	40	20 3/4	115	31 1/2	23 1/2	115	44 1/2	32 3/4
117 2/4	30	15 3/4	117 1/2	40 3/4	21	117 1/2	32 1/4	24	117 1/2	45 3/4	33 1/2
120	30 1/2	15 3/4	120	41 3/4	21 1/2	120	33	24 1/2	120	46 3/4	34
122 2/4	31 1/4	16 1/4	122 1/2	42 3/4	22	122 1/2	33 3/4	25	122 1/2	47 3/4	35
125	32	16 1/2	125	43 1/2	22 1/4	125	34 1/2	25 1/2	125	48 3/4	35 1/2
127 2/4	32 1/2	16 3/4	127 1/2	44 1/2	22 3/4	127 1/2	35 1/4	26	127 1/2	49 3/4	36 1/4
130	33 1/4	17	130	45 1/2	23 1/4	130	36	26 1/2	130	50 3/4	37
132 2/4	34	17 1/2	132 1/2	46 1/4	23 1/2	132 1/2	36 3/4	27 1/4	132 1/2	51 3/4	37 3/4
135	34 1/2	17 3/4	135	47 1/4	24	135	37 1/2	27 1/2	135	53	38 1/2
137 2/4	35 1/4	18	137 1/2	48 1/4	24 1/2	137 1/2	38 1/4	28	137 1/2	54	39 1/4
140	36	18 1/2	140	49	25	140	38 3/4	28 1/2	140	55	40
142 2/4	36 1/2	18 3/4	142 1/2	50	25 1/2	142 1/2	39 1/2	29	142 1/2	56	40 1/2
144	37	19	144	50 1/2	25 3/4	144	40	29 1/2	144	56 1/2	41

over 50" - stationary windows only

Estimated Exterior Projection Chart

10 degree BAY					
1/4 - 1/2 - 1/4			1/3 - 1/3 - 1/3		
Width	Ends	Proj.	Width	Ends	Proj.
57	13 1/4	2 1/2	43	13 1/4	2 1/2
68 1/2	16 1/4	3	51 1/2	16	3
80	19 1/4	3 1/2	60	19	3 1/2
91 1/2	22	4	68 1/2	21 7/9	4
103	25	4 1/2	77	24 7/9	4 1/2
115	27 3/4	4 3/4	85 1/2	27 1/2	5
125	30 1/4	5 1/2	94	30 2/7	5 1/2
137	33 1/2	6	102 1/2	33 2/7	6
			111	36	6 1/2
			119	38 1/2	7
			128	42	7 1/2
			137	44 7/9	8

Number of lites	Width	Projection	Projection
		10 degree	15 degree
3 Lite Bow	57	3 1/4	4 3/4
	67	4	5 3/4
	69	4	6
	80	4 3/4	7
4 Lite Bow	65	5 1/4	8
	75	6 1/4	7 1/2
	90	7 1/2	11 1/2
	92	7 3/4	11 3/4
	93	7 3/4	11 3/4
	94	7 3/4	12
	100	8 1/2	12 3/4
	115	9 3/4	14 3/4
	5 Lite Bow	92	9 1/4
100		10 1/4	15 1/2
105		10 3/4	16 1/2
110		11 1/4	17 1/4
115		11 3/4	18
120		12 1/4	18 3/4
130		13 1/4	20 1/2
140		14 1/2	22
144		14 3/4	22 3/4
6 Lite Bow	92	11 3/4	18 1/4
	100	12 3/4	20
	106	13 1/2	21 1/4
	113	14 1/2	22 1/2
	115	14 3/4	23
	117	15	23 1/2
	125	16 1/4	25
	135	17 1/2	27 1/4
	140	18 1/4	28 1/4
144	18 3/4	29	

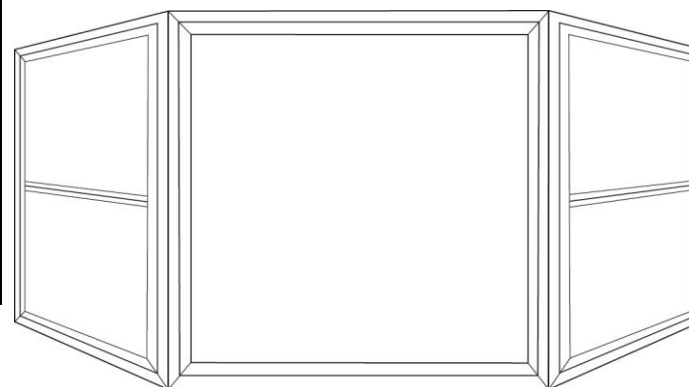
Welded Vinyl Bay/Bow 3 Lite

Width Min/Max - 42-146.5", Height Min/Max - 24-75"



Opening Width	BASE PRICE - EUROWHITE				Standard exterior color	Beige	Cocoa	Projection over 24"
	Opening Height							
	24-45	45-58	59-72	73-75				
42 - 60	\$ 1,532.04	\$ 1,671.81	\$ 1,853.85	\$ 1,993.62	\$ 522.00	add 12%	add 20%	\$ 83.52
61 - 72	\$ 1,685.90	\$ 1,762.24	\$ 1,959.56	\$ 2,161.57	\$ 522.00			\$ 99.18
73 - 84	\$ 1,749.32	\$ 1,917.28	\$ 2,225.00	\$ 2,414.09	\$ 522.00			\$ 99.18
85 - 96	\$ 1,936.07	\$ 2,071.14	\$ 2,329.53	\$ 2,546.81	\$ 522.00			\$ 99.18
97 - 108	\$ 2,498.65	\$ 2,687.75	\$ 3,021.31	\$ 3,189.26	\$ 522.00			\$ 120.06
109 - 120	\$ 2,701.58	\$ 2,931.78	\$ 3,240.68	\$ 3,349.91	\$ 522.00			\$ 120.06
121 - 132	\$ 2,779.10	\$ 3,085.64	\$ 3,394.54	\$ 3,625.91	\$ 522.00			\$ 151.38
133 - 144	\$ 2,983.98	\$ 3,290.54	\$ 3,600.61	\$ 3,835.51	\$ 522.00			\$ 151.38

Opening Width	GLASS - PRICE PER WHOLE BAY			
	Energy Package	Sun Seal	Tempered	XR-9 - Triple Pane Glass + Argon
42 - 60	\$ 95.70	\$ 193.14	\$ 261.01	\$ 258.83
61 - 72	\$ 114.84	\$ 212.28	\$ 313.21	\$ 258.83
73 - 84	\$ 133.98	\$ 231.42	\$ 365.41	\$ 258.83
85 - 96	\$ 153.12	\$ 250.56	\$ 417.61	\$ 258.83
97 - 108	\$ 172.26	\$ 269.70	\$ 469.81	\$ 258.83
109 - 120	\$ 208.81	\$ 306.25	\$ 569.46	\$ 258.83
121 - 132	\$ 229.69	\$ 327.13	\$ 626.41	\$ 258.83
133 - 144	\$ 287.10	\$ 384.54	\$ 783.01	\$ 258.83



Opening Width	GRIDS - PRICE PER WHOLE BAY		
	Flat Colonial or Prairie (5/8" or 13/16")	Contour Colonial or Prairie 11/16"	Contour Colonial or Prairie 1"
42 - 60	\$ 87.00	\$ 104.40	\$ 112.24
61 - 72	\$ 104.40	\$ 121.80	\$ 134.69
73 - 84	\$ 121.80	\$ 139.20	\$ 157.13
85 - 96	\$ 139.20	\$ 156.60	\$ 179.58
97 - 108	\$ 156.60	\$ 174.00	\$ 202.03
109 - 120	\$ 189.81	\$ 207.21	\$ 244.86
121 - 132	\$ 208.80	\$ 226.20	\$ 269.35
133 - 144	\$ 261.00	\$ 278.40	\$ 336.69

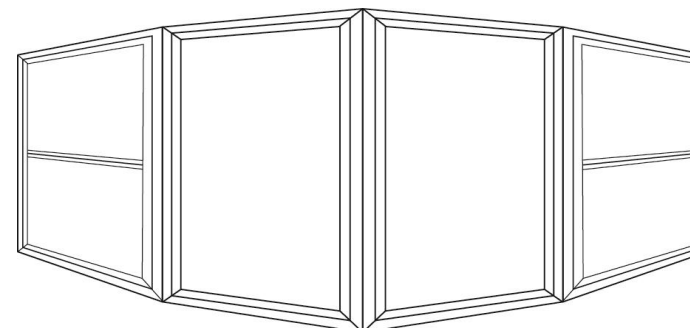
Welded Vinyl Bow 4 Lite

Width Min/Max - 59-146.5", Height Min/Max - 24-75"



Opening Width	BASE PRICE - EUROWHITE				Standard exterior color	Beige	Cocoa	Projection over 24"
	Opening Height							
	24-45	45-58	59-72	73-75				
59 - 84	\$ 1,840.67	\$ 2,029.77	\$ 2,316.35	\$ 2,505.44	\$ 696.00	add 12%	add 20%	\$ 99.18
85 - 96	\$ 2,027.42	\$ 2,162.49	\$ 2,420.88	\$ 2,638.16	\$ 696.00			\$ 99.18
97 - 108	\$ 2,590.00	\$ 2,779.10	\$ 3,112.66	\$ 3,280.61	\$ 696.00			\$ 120.06
109 - 120	\$ 2,701.58	\$ 2,931.78	\$ 3,240.68	\$ 3,349.91	\$ 696.00			\$ 120.06
121 - 132	\$ 2,779.10	\$ 3,085.64	\$ 3,394.54	\$ 3,625.91	\$ 696.00			\$ 151.38
133 - 144	\$ 2,983.98	\$ 3,290.53	\$ 3,600.60	\$ 3,835.50	\$ 696.00			\$ 151.38

Opening Width	GLASS - PRICE PER WHOLE BAY			
	Energy Package	Sun Seal	Tempered	XR-9 - Triple Pane Glass + Argon
59 - 84	\$ 146.17	\$ 276.09	\$ 398.62	\$ 345.10
85 - 96	\$ 167.05	\$ 296.97	\$ 455.57	\$ 345.10
97 - 108	\$ 187.93	\$ 317.85	\$ 512.51	\$ 345.10
109 - 120	\$ 208.81	\$ 338.73	\$ 569.46	\$ 345.10
121 - 132	\$ 229.69	\$ 359.61	\$ 626.41	\$ 345.10
133 - 144	\$ 287.10	\$ 417.02	\$ 783.01	\$ 345.10



Opening Width	GRIDS - PRICE PER WHOLE BAY		
	Flat Colonial or Prairie (5/8" or 13/16")	Contour Colonial or Prairie 11/16"	Contour Colonial or Prairie 1"
59 - 84	\$ 132.88	\$ 156.08	\$ 171.41
85 - 96	\$ 151.84	\$ 175.04	\$ 195.88
97 - 108	\$ 170.84	\$ 194.04	\$ 220.38
109 - 120	\$ 189.81	\$ 213.01	\$ 244.85
121 - 132	\$ 208.80	\$ 232.00	\$ 269.35
133 - 144	\$ 261.00	\$ 284.20	\$ 336.69

Welded Vinyl Bow 5 Lite

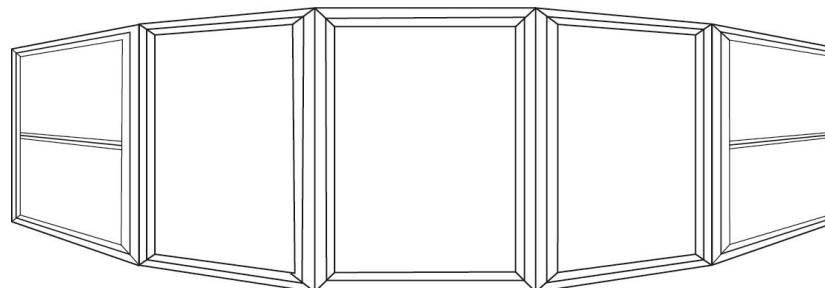
Width Min/Max - 84-146.5", Height Min/Max - 24-75"



Opening Width	BASE PRICE - EUROWHITE				Standard exterior color	Beige	Cocoa	Projection over 24"
	Opening Height							
	24-45	45-58	59-72	73-75				
84 - 96	\$ 2,137.17	\$ 2,410.83	\$ 2,690.36	\$ 2,907.64	\$ 870.00	add 12%	add 20%	\$ 99.18
97 - 108	\$ 2,642.20	\$ 2,831.30	\$ 3,164.86	\$ 3,332.81	\$ 870.00			\$ 120.06
109 - 120	\$ 2,753.78	\$ 2,983.98	\$ 3,292.88	\$ 3,402.11	\$ 870.00			\$ 120.06
121 - 132	\$ 2,831.30	\$ 3,137.84	\$ 3,446.74	\$ 3,678.11	\$ 870.00			\$ 151.38
133 - 144	\$ 2,983.98	\$ 3,290.53	\$ 3,600.60	\$ 3,835.50	\$ 870.00			\$ 151.38

Opening Width	GLASS - PRICE PER WHOLE BAY			
	Energy Package	Sun Seal	Tempered	XR-9 - Triple Pane Glass + Argon
84 - 96	\$ 191.40	\$ 353.80	\$ 522.01	\$ 431.38
97 - 108	\$ 215.33	\$ 377.73	\$ 587.26	\$ 431.38
109 - 120	\$ 239.25	\$ 401.65	\$ 652.51	\$ 431.38
121 - 132	\$ 263.18	\$ 425.58	\$ 717.76	\$ 431.38
133 - 144	\$ 287.10	\$ 449.50	\$ 783.01	\$ 431.38

Opening Width	GRIDS - PRICE PER WHOLE BAY		
	Flat Colonial or Prairie (5/8" or 13/16")	Contour Colonial or Prairie 11/16"	Contour Colonial or Prairie 1"
84 - 96	\$ 174.00	\$ 203.00	\$ 224.46
97 - 108	\$ 195.75	\$ 224.75	\$ 252.52
109 - 120	\$ 217.50	\$ 246.50	\$ 280.58
121 - 132	\$ 239.25	\$ 268.25	\$ 308.63
133 - 144	\$ 261.00	\$ 290.00	\$ 336.69



Welded Vinyl Bow 6 Lite

Width Min/Max - 97-146.5", Height Min/Max - 24-75"



Opening Width	BASE PRICE - EUROWHITE				Standard exterior color	Beige	Cocoa	Projection over 24"
	Opening Height							
	24-45	45-58	59-72	73-75				
97 - 108	\$ 2,642.20	\$ 2,831.30	\$ 3,164.86	\$ 3,332.81	\$ 1,044.00	add 12%	add 20%	\$ 120.06
109 - 120	\$ 2,753.78	\$ 2,983.98	\$ 3,292.88	\$ 3,402.11	\$ 1,044.00			\$ 120.06
121 - 132	\$ 3,140.45	\$ 3,443.47	\$ 3,767.64	\$ 3,990.79	\$ 1,044.00			\$ 151.38
133 - 144	\$ 3,250.86	\$ 3,569.15	\$ 3,890.96	\$ 4,116.46	\$ 1,044.00			\$ 151.38

Opening Width	GLASS - PRICE PER WHOLE BAY			
	Energy Package	Sun Seal	Tempered	XR-9 - Triple Pane Glass + Argon
97 - 108	\$ 215.33	\$ 410.21	\$ 587.26	\$ 517.65
109 - 120	\$ 239.25	\$ 434.13	\$ 652.51	\$ 517.65
121 - 132	\$ 300.77	\$ 495.65	\$ 820.27	\$ 517.65
133 - 144	\$ 310.07	\$ 504.95	\$ 845.64	\$ 517.65

Opening Width	GRIDS - PRICE PER WHOLE BAY		
	Flat Colonial or Prairie (5/8" or 13/16")	Contour Colonial or Prairie 11/16"	Contour Colonial or Prairie 1"
97 - 108	\$ 195.75	\$ 230.55	\$ 252.52
109 - 120	\$ 217.50	\$ 252.30	\$ 280.58
121 - 132	\$ 273.41	\$ 308.21	\$ 352.70
133 - 144	\$ 281.88	\$ 316.68	\$ 363.63

