POLY SHUTTERS



SIZE STANDARDS

PRICING & SURCHARGES

ORDERING NOTES

SPECIFICATIONS

FOR ADDITIONAL INFORMATION ON INSTALLATION, OPERATION & CARE, VISIT LEVOLOR.COM/PREMIER.

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Reference Guide Revision & Discontinuation History

LEVOLOR® PREMIER™ POLY SHUTTERS

Revision History

This section provides an overview of Reference Guide revision updates. Revisions listed in this section reset each Spring launch.

Date	Revision Description	Affected Page(s)
02/04/25	Remove Rear Tilt option except for Specialty Shapes.	Various
02/04/25	Add C72, S77 & Z75 frames.	Various
02/04/25	Update Color Coordination chart	LPPS-71

Discontinuation History

This section provides an overview of discontinued frames and colors. Discontinued items listed reset each Spring launch.

Date	Discontinued Description	Affected Page(s)
FRAMES		
COLORS		

Our unique styles can be ordered in 2 1/2", 3 1/2", or 4 1/2" elliptical louvers. Poly Shutters feature easy operation and the freedom to control light, heat, airflow, noise, and view and offer privacy.

RECTANGULAR SHUTTERS

- Standard Hinged Panels
- Bi-Fold Track Configurations
- Bypass Track Configurations

Special applications include:

- French Doors
- Bay/Corner Windows
- Café Shutters
- Double-Hung Shutters
- Bypass Open Louver Track
- Bypass Triple Track

Operating systems include:

- Front Tilt
- Concealed Tilt
- Smart Shades automation

SPECIALTY SHAPES

A wide range of framed and unframed specialty shapes are available as stand-alone shutters or combined with standard hinged panels below in one continuous opening. Specialty shapes feature fully operable horizontal louvers.

INNOVATION

Poly Shutters with the advanced premium finish combine the beautiful look of a finely painted shutter with the unmatched durability of poly material.

STRUCTURAL STRENGTH AND SAFETY

Key elements of Poly Shutters, such as stiles, louvers, and T-posts, are reinforced with aluminum and molded resin blocks, adding exceptional stability to the shutter panels.

INSTALLER FRIENDLY

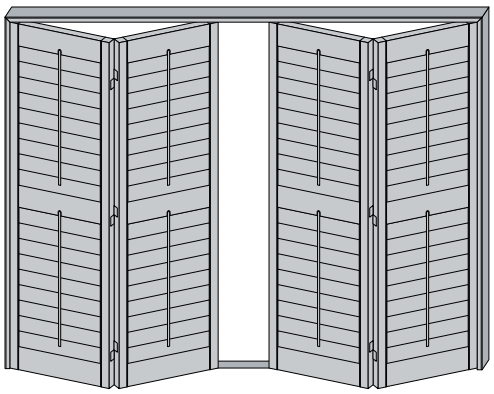
Poly Shutters are designed for quick and easy installation by a Certified Installer.

POLY SHUTTERS PROMISE

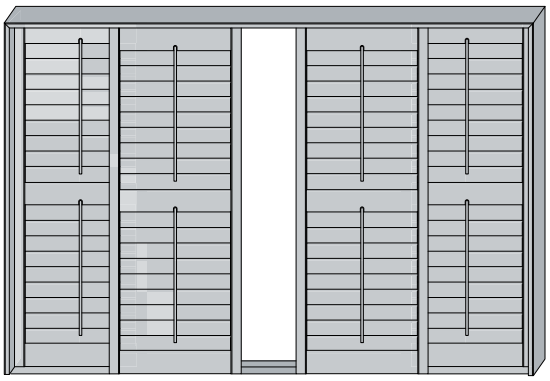
Backed by an industry-exclusive promise that our shutters will not warp, crack, chip, peel, or fade.

COORDINATION PROGRAMS

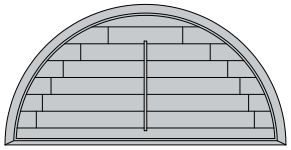
See Coordinating Products℠ for information on coordinating Poly Shutters colors with Composite Shutters, Alternative Wood Blinds, or Wood Blinds.



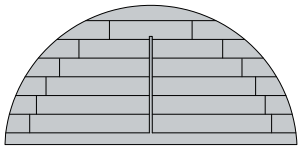
Bi-Fold Track Configurations℠



Bypass Track Configurations℠

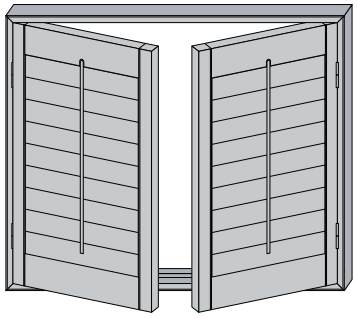


Framed



Unframed

Specialty Shapes℠



Standard Hinged Panels℠

How to Use the Size Standards Charts

The Size Standards charts are designed to be a quick reference to size standards and where to find further size specifications. Further size specifications are referenced by the link in the configuration heading. Always read the notes under the chart for important additional information.

Important: shutter dimensions must be equal to or less than the maximum dimensions (width and height) and equal to or greater than the minimum dimensions (width and height) to be within specification guidelines.

PANEL SIZE STANDARDS (Not including Frames)	Standard Hinged Panels						Track Configurations					
	Individually Hinged			Bi-Fold Hinged (No Track)			Bi-Fold Track Configurations			Bypass Track Configurations		
	2½" Louvers	3½" Louvers	4½" Louvers	2½" Louvers	3½" Louvers	4½" Louvers	2½" Louvers	3½" Louvers	4½" Louvers	2½" Louvers	3½" Louvers	4½" Louvers
Min. Panel Width	7"	7"	7"	7" [1]	7" [1]	7" [1]	12"	12"	12"	12"	12"	12"
Max. Panel Width	36" [2]	36" [2]	36" [2]	24" [2]	24" [2]	24" [2]	24"	24"	24"	36"	36"	36"
Min. Panel Height 2" Rails	8⅞" [3]	10⅞" [3]	12⅞" [3]	8⅞" [3]	10⅞" [3]	12⅞" [3]	8⅞" [3]	10⅞" [3]	12⅞" [3]	8⅞" [3]	10⅞" [3]	12⅞" [3]
Min. Panel Height 4" Rails	12" [3]	14" [3]	17" [3]	12" [3]	14" [3]	17" [3]	12" [3]	14" [3]	17"[3]	12"[3]	14"[3]	17"[3]
Max. Panel Height	120"	120"	120"	120"	120"	120"	120"	120"	120"	120"	120"	120"

PANEL SIZE STANDARDS (Not including Frames)	Smart Shades Automation								
	Standard Hinged Panels — Configurations						Track Configurations		
	Individually Hinged			Bi-Fold Hinged (No Track)			Bypass Track Configurations		
	2½" Louvers	3½" Louvers	4½" Louvers	2½" Louvers	3½" Louvers	4½" Louvers	2½" Louvers	3½" Louvers	4½" Louvers
Min. Panel Width[4]	17"	17"	17"	17"	17"	17"	17"	17"	17"
Max. Panel Width	36" [2]	36" [2]	36" [2]	24" [2]	24" [2]	24" [2]	36"	36"	36"
Min. Panel Height 4" Rails	12" [3]	14" [3]	17" [3]	12" [3]	14" [3]	17" [3]	12" [3]	14" [3]	17" [3]
Max. Panel Height	96"	96"	96"	96"	96"	96"	96"	96"	96"

[1] Panels under 12" in width are not recommended due to possible limited functionality.

[2] Individually Hinged Double-Hung maximum panel width is 30"; Bi-Fold (no track) Double-Hung maximum width is 20".

[3] Panels under 18" in height are not recommended due to the excessive louver overlap that can occur. For panels with 2½" louvers, excessive louver overlap may prevent panels from being fabricated with concealed tilt or louvers from fully closing.

[4] Minimum panel width for panels with the Rechargeable Battery Wand is 19½".

Notes

- **Smart Shades**: Minimum and maximum standards are absolute and cannot be compromised or waived.
- **Minimum and maximum ordered widths including frames**: Refer to the panel configurations, see Standard Hinged Panels, Bi-Fold Track Configurations , or Bypass Track Configurations.
- **Top and bottom rails**:
  - **Rail size**: Chart dimensions are for 4" top and bottom rails; 2" rail can only be used on panels 36" or less in height (except Double-Hung). 2" rail not available with Smart Shades automation.
  - **Double-Hung panels**: Adjacent center rails are 2" in height. See Café and Double-Hung Shutters.
- **Divider rails**:
  - **Requirements**: Panels greater than 66" in height require one divider rail. Panels greater than 96" in height require two divider rails.
  - **Other specifications**: Maximum space between divider rails is 66", excluding French door cut-outs. There must be a minimum of two louvers between divider rails and the top or bottom rail. French door cut-outs do not require divider rails, except for those with Smart Shades automation which require one divider rail for panels greater than 66" in height.
- **Tie louvers**: Panels greater than 50" tall will have tie louvers for additional strength, unless a divider rail is ordered.
- **Hinges**: Number of hinges per panel height are 2 hinges up to 28"; 3 hinges 28 1/16" to 50"; 4 hinges 50 1/16" to 72"; 5 hinges 72 1/16" to 94"; and 6 hinges 94 1/16" to 120".
- **Splicing**: Frames and valances greater than 180" in width or height may require splicing.

SPECIALTY SHAPES SIZE STANDARDS (Including Framed)	Horizontal Louvers 2½" and 3½" Louver Sizes Only									
	A1 Perfect Arch	A2L/A2R Quarter Circle	A4 Extended Eyebrow	A4 Extended Arch	A5 Eyebrow Arch	A7 Angle	A7 Extended Angle	A8 Pentagon	T3 Hexagon	T4 Octagon
Min. Width	24"	12"	24"	24"	24"	12"	12"	24"	12"	12"
Max. Width	92"	40"	108"	48"	92"	60"	72"	72"	40"	40"
Min. Height	12"	12"	12"	16"	12"	12"	12"	12"	12"	12"
Max. Height	46"	40"	36"	39"	46"	60"	60"	48"	40"	40"

Notes
- **Illustrations, vertical supports and further specifications**: Refer to Specialty Shapes∞ for specialty shape details.
- **Frames**: All shapes are available framed or unframed.
- **Hinges**: LEVOLOR® PREMIER™ Poly Shutters specialty shapes use a combination of hinges, panel locks and magnets to secure panels to the frame.
- **Smart Shades automation**: LEVOLOR PREMIER Poly Shutters specialty shapes are not available with Smart Shades automation.

Product price only, not including freight, state/local taxes, measuring and installation, and other services associated with a custom installation.

How to Price Poly Shutters

The base prices on the Poly Shutters price charts are for framed standard hinged panels, using any of the Poly Shutters frames. Surcharges need to be applied for all other configurations and a price deduction is taken for unframed configurations. Follow these basic pricing procedures:

1. Round up the ordered width and height dimensions to the nearest size shown on the price chart.
2. Locate the box where the correct width column meets the correct height row.
3. If the width exceeds the largest width on the chart, add the appropriate amount for each additional 6" of width.
4. Add any necessary surcharges. For surcharges, see Pricing – Surcharges & Accessories℠. Track configuration, specialty shape, and decorative sill cover surcharges are width-based. All other surcharges (or deductions) are shown as a percentage of the base price or as a dollar amount.

The pricing examples below are rounded to the nearest dollar for illustration purposes.

Grid 1 Base Price

	WIDTH TO	12"	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	EVERY 6" ADD
HEIGHT TO	36"	$399	399	399	410	478	544	611	680	746	816	883	951	1016	1086	1153	1218	1289	1355	68
	42	399	399	399	478	555	634	714	792	871	951	1028	1107	1188	1267	1344	1423	1501	1580	79
	48	400	399	454	544	634	723	816	905	996	1086	1175	1267	1355	1444	1536	1626	1715	1806	91
	54	452	410	511	611	714	816	915	1016	1119	1218	1322	1423	1523	1626	1727	1827	1930	2032	102

How to Price: Unframed Front Tilt Standard Hinged Panels

Example: 66" x 48" Unframed unit, Front Tilt

1	Locate base price	P1℠: 66" x 48" base price	$996
2	Total price		$996

How to Price: Framed Concealed Tilt Standard Hinged Panels with Decorative Sill Cover

Example: 57" x 70" Framed unit, Concealed Tilt, with Decorative Sill Cover

1	Locate base price	P4℠: 60" x 72" base price	$1679
2	Add 60" Decorative Sill Cover surcharge	Width-based surcharge	+245
3	Total price		$1924

How to Price: Concealed Tilt Framed Bypass Track System with Smart Shades automation

Example: 72" x 84" Bypass Frame (2 panels with divider rails) with Bypass Standard Valance and Automation III

1	Locate base price	P4℠: 72" x 84" base price	$2350
2	Add 72" track surcharge with Standard Valance	Width-based surcharge	+710
3	Add Smart Shades automation surcharge	$385 x 2 panels	+770
4	Total price		$3830

How to Price: Framed Specialty Shape

Example: 48"x 24" Framed Specialty Shape

1	Locate base price	P5F℠: 48" base price	$2405
2	Total price		$2405

Product price only, not including freight, state/local taxes, measuring and installation, and other services associated with a custom installation.

Base Price P1 — Unframed Front Tilt

- Panels Only or with 2-Sided Hang Strip
- 2½", 3½", and 4½" Louvers
- Hinged Panels
- T-Posts, Divider Rails, Build-Out, and Hardware

HEIGHT TO \ WIDTH TO	12"	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	EVERY 6" ADD
36"	$399	399	399	410	478	544	611	680	746	816	883	951	1016	1086	1153	1218	1289	1355	68
42	399	399	399	478	555	634	714	792	871	951	1028	1107	1188	1267	1344	1423	1501	1580	79
48	400	399	454	544	634	723	816	905	996	1086	1175	1267	1355	1444	1536	1626	1715	1806	91
54	452	410	511	611	714	816	915	1016	1119	1218	1322	1423	1523	1626	1727	1827	1930	2032	102
60	500	454	567	680	792	905	1016	1128	1243	1355	1468	1580	1694	1806	1918	2032	2144	2256	113
66	551	500	625	746	871	996	1119	1243	1367	1491	1614	1738	1863	1986	2109	2233	2359	2482	124
72	599	544	680	816	951	1086	1218	1355	1491	1626	1762	1896	2032	2167	2301	2435	2573	2705	135
78	649	590	736	883	1028	1175	1322	1468	1614	1762	1906	2054	2199	2347	2492	2641	2787	2931	147
84	698	634	792	951	1107	1267	1423	1580	1738	1896	2054	2211	2370	2527	2685	2844	2999	3157	158
90	748	680	848	1016	1188	1355	1523	1694	1863	2032	2199	2370	2537	2705	2876	3044	3213	3382	169
96	796	723	905	1086	1267	1444	1626	1806	1986	2167	2347	2527	2705	2887	3069	3248	3427	3607	181
102	847	770	961	1153	1344	1536	1727	1918	2109	2301	2492	2685	2876	3069	3260	3452	3642	3833	192
108	898	816	1016	1218	1423	1626	1827	2032	2233	2435	2641	2844	3044	3248	3452	3653	3857	4058	203
114	946	860	1074	1289	1501	1715	1930	2144	2359	2573	2787	2999	3213	3427	3642	3857	4070	4284	214
120	996	905	1128	1355	1580	1806	2032	2256	2482	2705	2931	3157	3382	3607	3833	4058	4284	4508	226

Base Price P2 — Framed Front Tilt

- All Frames
- 2½", 3½", and 4½" Louvers
- Framed Standard Hinged Panels
- T-Posts, Divider Rails, Build-Out, and Hardware

HEIGHT TO \ WIDTH TO	12"	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	EVERY 6" ADD
36"	$438	438	438	451	525	598	671	747	820	897	970	1045	1117	1193	1267	1339	1416	1489	75
42	438	438	438	525	610	697	785	870	957	1045	1130	1216	1305	1392	1477	1564	1649	1736	87
48	440	438	499	598	697	795	897	995	1094	1193	1291	1392	1489	1587	1688	1787	1885	1985	100
54	497	451	561	671	785	897	1005	1117	1230	1339	1453	1564	1674	1787	1898	2008	2121	2233	112
60	549	499	623	747	870	995	1117	1240	1366	1489	1613	1736	1861	1985	2108	2233	2356	2479	124
66	605	550	687	820	957	1094	1230	1366	1502	1638	1774	1910	2047	2182	2318	2454	2592	2727	137
72	658	598	747	897	1045	1193	1339	1489	1638	1787	1936	2084	2233	2381	2529	2676	2827	2973	149
78	713	648	809	970	1130	1291	1453	1613	1774	1936	2095	2257	2416	2579	2739	2902	3063	3221	161
84	767	697	870	1045	1216	1392	1564	1736	1910	2084	2257	2430	2604	2777	2951	3125	3296	3469	174
90	822	747	932	1117	1305	1489	1674	1861	2047	2233	2416	2604	2788	2973	3160	3345	3531	3716	186
96	875	795	995	1193	1392	1587	1787	1985	2182	2381	2579	2777	2973	3172	3373	3569	3766	3964	199
102	931	846	1056	1267	1477	1688	1898	2108	2318	2529	2739	2951	3160	3373	3582	3793	4002	4212	211
108	987	897	1117	1339	1564	1787	2008	2233	2454	2676	2902	3125	3345	3569	3793	4014	4239	4459	223
114	1040	945	1180	1416	1649	1885	2121	2356	2592	2827	3063	3296	3531	3766	4002	4239	4472	4708	236
120	1095	995	1240	1489	1736	1985	2233	2479	2727	2973	3221	3469	3716	3964	4212	4459	4708	4954	248

Notes
- Prices in the 12" column include a surcharge for narrow panels.
- For surcharges and other pricing details, see Pricing – Surcharges & Accessories℠. Surcharges are added to the base price.
- Build-out ordered separately from the original order will be charged as Lineal Material (see Pricing – Extra Lineal Materials℠).

Additional freight charges apply. Contact Customer Service for current rates.

Product price only, not including freight, state/local taxes, measuring and installation, and other services associated with a custom installation.

Base Price P3 — Unframed Concealed Tilt

- Panels Only or with 2-Sided Hang Strip
- 2½", 3½", and 4½" Louvers
- Standard Hinged Panels
- T-Posts, Divider Rails, Build-Out, and Hardware

HEIGHT TO \ WIDTH TO	12"	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	EVERY 6" ADD
36"	$450	450	450	463	539	614	689	767	842	921	996	1073	1147	1225	1300	1374	1453	1528	77
42	450	450	450	539	626	715	806	893	983	1073	1160	1249	1340	1429	1516	1605	1693	1782	89
48	452	450	512	614	715	816	921	1021	1123	1225	1325	1429	1528	1629	1733	1834	1935	2037	102
54	510	463	576	689	806	921	1032	1147	1262	1374	1491	1605	1718	1834	1947	2061	2177	2291	115
60	564	512	640	767	893	1021	1147	1273	1402	1528	1655	1782	1910	2037	2163	2291	2418	2544	127
66	622	565	705	842	983	1123	1262	1402	1542	1681	1821	1960	2100	2240	2379	2518	2660	2798	140
72	676	614	767	921	1073	1225	1374	1528	1681	1834	1987	2138	2291	2443	2595	2746	2901	3051	153
78	733	665	831	996	1160	1325	1491	1655	1821	1987	2150	2316	2480	2646	2811	2978	3143	3305	165
84	787	715	893	1073	1249	1429	1605	1782	1960	2138	2316	2493	2673	2850	3028	3207	3382	3560	178
90	844	767	956	1147	1340	1528	1718	1910	2100	2291	2480	2673	2861	3051	3242	3433	3624	3813	191
96	898	816	1021	1225	1429	1629	1834	2037	2240	2443	2646	2850	3051	3255	3462	3663	3865	4068	204
102	956	868	1084	1300	1516	1733	1947	2163	2379	2595	2811	3028	3242	3462	3675	3892	4107	4322	216
108	1014	921	1147	1374	1605	1834	2061	2291	2518	2746	2978	3207	3433	3663	3892	4119	4350	4575	229
114	1067	970	1211	1453	1693	1935	2177	2418	2660	2901	3143	3382	3624	3865	4107	4350	4589	4831	242
120	1124	1021	1273	1528	1782	2037	2291	2544	2798	3051	3305	3560	3813	4068	4322	4575	4831	5083	254

Base Price P4 — Framed Concealed Tilt

- All Frames
- 2½", 3½", and 4½" Louvers
- Framed Standard Hinged Panels
- T-Posts, Divider Rails, Build-Out, and Hardware

HEIGHT TO \ WIDTH TO	12"	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	EVERY 6" ADD
36"	494	494	494	509	592	675	757	843	925	1012	1094	1179	1260	1346	1429	1510	1597	1679	84
42	494	494	494	592	688	786	886	981	1080	1179	1275	1372	1472	1570	1666	1764	1860	1958	98
48	497	494	563	675	786	897	1012	1122	1234	1346	1456	1570	1679	1790	1904	2015	2126	2239	112
54	560	509	633	757	886	1012	1134	1260	1387	1510	1639	1764	1888	2015	2140	2265	2392	2518	126
60	620	563	703	843	981	1122	1260	1399	1541	1679	1819	1958	2099	2239	2377	2518	2657	2796	140
66	684	621	775	925	1080	1234	1387	1541	1694	1847	2001	2154	2308	2461	2614	2767	2923	3075	154
72	743	675	843	1012	1179	1346	1510	1679	1847	2015	2183	2350	2518	2685	2852	3018	3188	3353	168
78	805	731	913	1094	1275	1456	1639	1819	2001	2183	2363	2545	2725	2908	3089	3273	3454	3632	182
84	865	786	981	1179	1372	1570	1764	1958	2154	2350	2545	2740	2937	3132	3328	3524	3717	3912	196
90	928	843	1051	1260	1472	1679	1888	2099	2308	2518	2725	2937	3144	3353	3563	3772	3982	4190	210
96	987	897	1122	1346	1570	1790	2015	2239	2461	2685	2908	3132	3353	3577	3804	4025	4247	4470	224
102	1050	954	1191	1429	1666	1904	2140	2377	2614	2852	3089	3328	3563	3804	4039	4277	4513	4750	238
108	1114	1012	1260	1510	1764	2015	2265	2518	2767	3018	3273	3524	3772	4025	4277	4526	4780	5028	251
114	1173	1066	1331	1597	1860	2126	2392	2657	2923	3188	3454	3717	3982	4247	4513	4780	5043	5309	266
120	1235	1122	1399	1679	1958	2239	2518	2796	3075	3353	3632	3912	4190	4470	4750	5028	5309	5586	279

Notes
- Prices in the 12" column include a surcharge for narrow panels.
- For surcharges and other pricing details, see Pricing – Surcharges & Accessories℠. Surcharges are added to the base price.
- Build-out ordered separately from the original order will be charged as Lineal Material (see Pricing – Extra Lineal Materials℠).
- Additional freight charges apply. Contact Customer Service for current rates.

Product price only, not including freight, state/local taxes, measuring and installation, and other services associated with a custom installation.

Specialty Shape Pricing

- **Important Note!** All base prices are predicated on Ordered Dimensions.
- Round the ordered width of the specialty shape up to the nearest width shown on the appropriate chart. The price beneath that width is the suggested retail price.

Notes

- Due to the endless range of options available, special charges may apply for orders outside the published product specifications; contact Customer Service for a quote.

Base Price P5U

Unframed Specialty Shapes

- 2 1/2", 3 1/2", and 4 1/2" Louvers
- Panels only

WIDTH TO	24"	30	36	42	48	54	60	66	72	78	84	90	96	102	108
UNFRAMED	1100	1380	1645	1910	2185	2455	2710	2995	3265	3520	3795	4070	4340	4600	4875

Base Price P5F

Framed Specialty Shapes

- All Frames
- 2 1/2", 3 1/2", and 4 1/2" Louvers
- Framed Standard Hinged Panels

WIDTH TO	24"	30	36	42	48	54	60	66	72	78	84	90	96	102	108
FRAMED	1220	1515	1815	2100	2405	2700	3000	3300	3610	3895	4190	4495	4795	5090	5385

Notes

- For surcharges and other pricing details, see Pricing – Surcharges & Accessories℠. Surcharges are added to the base price.
- Additional freight charges apply. Contact Customer Service for current rates.

Product price only, not including freight, state/local taxes, measuring and installation, and other services associated with a custom installation.

Track System Surcharges
(Width-Based)

WIDTH TO	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"	108"	114"	120"	EVERY 6" ADD
BI-FOLD	$175	215	255	295	335	375	415	455	495	535	575	615	655	695	735	775	815	40
BYPASS	390	430	470	510	550	590	630	670	710	750	790	830	870	910	950	990	1030	40
BYPASS OPEN LOUVER	550	625	700	775	850	925	1000	1075	1150	1225	1300	1375	1450	1525	1600	1675	1750	75
BYPASS TRIPLE TRACK	655	730	805	880	955	1030	1105	1180	1255	1330	1405	1480	1555	1630	1705	1780	1855	75

Notes
- For stackback track configurations, first locate the base price for the shutter width and height. Next, use the stackback width to determine the track surcharge. Add this surcharge to the shutter base price to arrive at the total price for the stackback configuration. See Pricing – How to Price℠ and Stackback Design℠.
- Units with panel widths less than 27 1/2" may not be built with Controlled Close for Bypass depending on the configuration.

Decorative Sill Cover Surcharges
(Width-Based)

WIDTH TO:	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"	108"	114"	120"	EVERY 6" ADD
SILL COVER	$95	120	145	170	195	225	245	270	290	325	345	370	390	415	440	465	490	25

Design Option Surcharges
(Add to Base Price)

Cafe Shutters (One-, Two- or Three -sided frames)	Add 10% to base price grid
Café Shutters (Four-sided frames only)	Add 20% to base price grid
Double-Hung Shutters	Add 30% to base price grid
French Door Cut-Outs	Add $675 per cut-out
Stainless Steel Hardware (Hinges and screws)	Add $75 per unit (one continuous opening)
Build-Out for Framed and Unframed Specialty Shapes	Add 25% to specialty base price grid for each build-out
Frame Cut-Out	Add $40 per cut-out
Extension Pole	$110

Notes
- Panel Lock is standard on four-sided hinged panel configurations, instead of traditional magnets. Magnets available on request at no charge. See Panel Closure Options℠ for available panel closure options.
- Due to the endless range of options available, special charges may apply for orders outside the published product specifications; contact Customer Service for a quote.

Deductions

Unframed Configurations (1- or 2-sided hang strip or panel only)	Deduct 10% from base price grid
Frame Only (Mitered and hinged)	Deduct 75% from base price grid

Product price only, not including freight, state/local taxes, measuring and installation, and other services associated with a custom installation.

Operating System Surcharges

Smart Shades Automation (Automation III)	Add $385 per panel
Smart Shades Automation (Automation III) with Rechargeable Battery Wand	Add $465 per panel

Smart Shades Automation (Automation III) Accessory Pricing

Remote	$90
Wall Mount for Remote	$50
Gateway	$205
Spare Rechargeable Battery Wand	$85
Dual Charging Station	$125
Single Charger (with Retractable Charging Cable)	$120
Single Charger (with 3' or 12' Charging Cable)	$70

Notes
- Smart Shades Automation (Automation III) is not available with 2" Rails, Bi-Fold Track Systems, Double-Hung with divider rails, or Specialty Shapes.
- Refer to Size Standards℠ for any size limitations.
- For more information about design, operation, and accessories, see the Smart Shades Automation (Automation III) section of this Reference Guide.
- Remote is only available in white; Wall Mount is available in white matte, black matte, or nickel matte.

Product price only, not including freight, state/local taxes, measuring and installation, and other services associated with a custom installation.

Lineal Materials Pricing
Base Price Per Inch

L-Frame (L71)	$0.66
L-Frame Build-Out (LFBO)	0.32
Standard Z-Frame (Z71)	1.00
Designer Z-Frame (Z72)	0.66
Colonial Z-Frame (Z73)	1.21
Traditional Z-Frame (Z74)	0.95
Deluxe Z-Frame (Z75)	1.25
Bullnose Z-Frame (Z76)	0.95
Casing Frame (C71)	1.21
Casing Frame Build-Out (CFBO)	0.72
Standard Casing Frame (C72)	1.18
Standard Casing Frame Build-Out (SFBO)	0.69
Casing Sill/Decorative L-Frame (S71)	0.66
Designer/Traditional Z-Sill Frame (S72)	0.66
Bullnose Z-Sill Frame (S76)	0.66
Standard Casing Sill/Designer L-Frame (S77)	0.63
Decorative Sill Cover (SC21)	1.39
Stile (ST)	0.54
T-Post (T)	1.12
Bi-Fold Track Frame (BF)	0.90
Bypass Track Frame (BP)	2.12
Bypass Open Louver Track Frame (BO)	4.57
Bypass Triple Track Frame (BT)	4.57

Lineal Materials Pricing
Base Price Per Inch

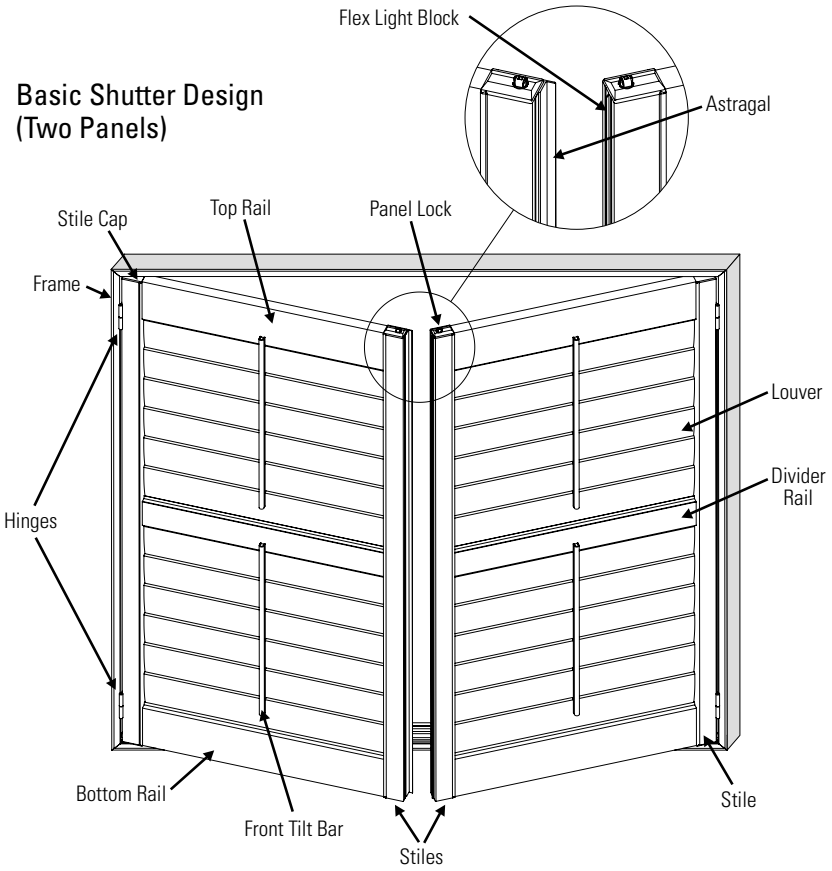
Track Frame Build-Out (TFBO)	0.84
3/4" Hang Strip (HS21)	0.42
1" Hang Strip (HS22)	0.47
1/4" Light Stop/Trim Strip (LS21)	0.26
1/2" Light Stop/Trim Strip (LS22)	0.36
Bi-Fold Standard Valance (BFSV)	0.54
Bypass Standard Valance (BPSV)	0.77
Decorative Valance (DEC)	1.16
Bi-Fold/Bypass Track — Aluminum (TRK)	0.56
L-Frame Cover Strip (LFC)	0.18
Casing Frame Cover Strip (CFC)	0.18
Standard Casing Frame Cover Strip (SCCS)	0.16
Rubber Flex (RF)	0.22
Flex Light Block (FLB)	0.18
Light Block (LB)	0.18
Scribe (SCR)	0.24
#8 X 1 1/2" Installation Screw (ISV1)	6.26 per quantity of 25
#8 X 2" Installation Screw (ISV2)	6.45 per quantity of 25
#8 X 3" Installation Screw (ISV3)	8.18 per quantity of 25

Notes
- Minimum order for lineal materials or parts alone is $30 net.
- Lineal material frames can be square cut or miter cut.

Shutter Terminology

The basic shutter assembly is a panel hinged to a frame. The panel consists of louvers which pivot open and closed, with stiles on the sides, and rails on the top and bottom. Astragal is standard on the back of the left panel, and provides a light blocking feature.

Basic Shutter Design
(Two Panels)



Operating Systems

Shutter louvers open and close using either a tilt bar linked to the louvers, or an internal gear system located in the stiles. Poly Shutters have variable louver spacing.

Traditional Front Tilt

A traditional front tilt bar can be ordered on the front center of the panel (F), on the front hinge side of the panel (FH), or the front opposite hinge side of the panel (FO). It is connected to the edge of the louvers with the tilt bar cufflinks. Open and close louvers together using the tilt bar.

Important:
Do not open or close the shutter panels by pulling or pushing on the tilt bar.

Concealed Tilt

Concealed Tilt is a patented operating system that provides expanded view-through with no visible tilt bar.

Smart Shades

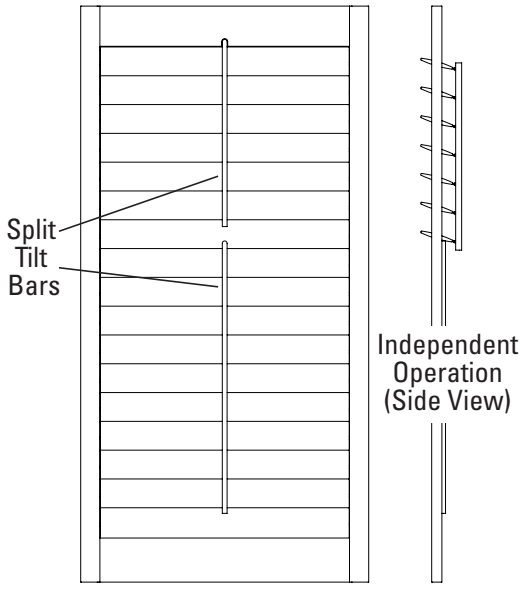
An automated control system that offers state-of-the-art convenience and control with the touch of a button to tilt louvers open or closed.

Divider Rail

A divider rail is a fixed rail inserted between louvers for additional panel strength.

Split Tilt Bars

- Split tilt bars can be specified for increased operational flexibility.
- Split front tilt bars can limit range of movement for both top and bottom sections.
- Split tilt bars can be specified on panels with or without divider rails.
- Enter split tilt height on the order form to indicate split tilt location



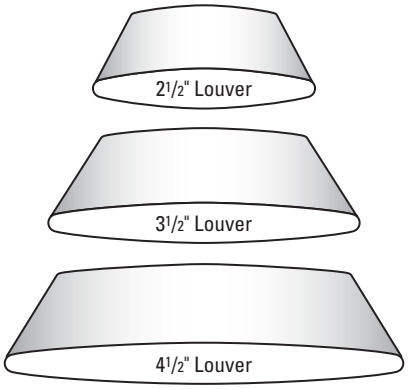
Louver Sections

A louver section is a group of louvers within a panel that tilt in unison. Ordering a divider rail or split tilt creates multiple louver sections which are operated independently.

Louver Options

Louver Sizes

Three louver sizes are available: 2 1/2", 3 1/2", and 4 1/2". They are supplied with "concealed louver caps" inset into the louver. This ensures a sleek, finished look.



Louver Closure

Poly Shutters feature up/down closure, and do not have mouse holes.

Product Color Options

Specify color number and name on the order form.

- 5736 Cotton
- 5737 White
- 5751 Ivory

Shutter Hinges

Hinges are available in a range of colors and finishes to coordinate with shutter color and room décor.

All shutter panels come standard with removable hinge pins packed in the hardware.

Notes

- Hinges are shipped attached to the panel and frame. If unattached hinges are desired, specify when ordering.

Hinge Color Options

Note that stainless steel hinges are available for a surcharge.

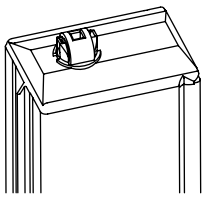
Recommended product colors are shown in parentheses.

- 006 Brass Finish
- 007 Antique Brass Finish
- 008 Brushed Nickel Finish
- 011 Stainless Steel
- 051 Ivory (5751 Ivory)
- 136 Cotton (5736 Cotton)
- 137 White (5737 White)

Panel Closure Options

Panel Lock (PL)

This exclusive spring-loaded roller closure system, with an adjustable tension feature, engages with a groove in the frame to securely hold the shutter panels closed.



Panel Lock (PL)

Magnets (M)

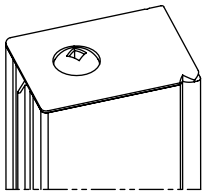
For some applications, magnets may be preferred to Panel Lock to achieve proper panel closure. Adjustable (A) closure can be used with magnets.

Both (B)

If desired, both magnets and Panel Lock may be ordered.

No Closure (N)

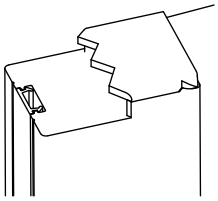
Shutters will be made with flat stile caps, and no magnets or Panel Lock. Adjustable (A) stile caps may be used when No Closure is ordered.



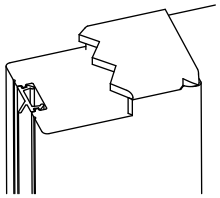
Adjustable (A)

Light Block

Light block is inserted into the channel on the side of the stile. It covers the panel assembly screws, and helps block light from passing between the panel and frame.



Standard Light Block

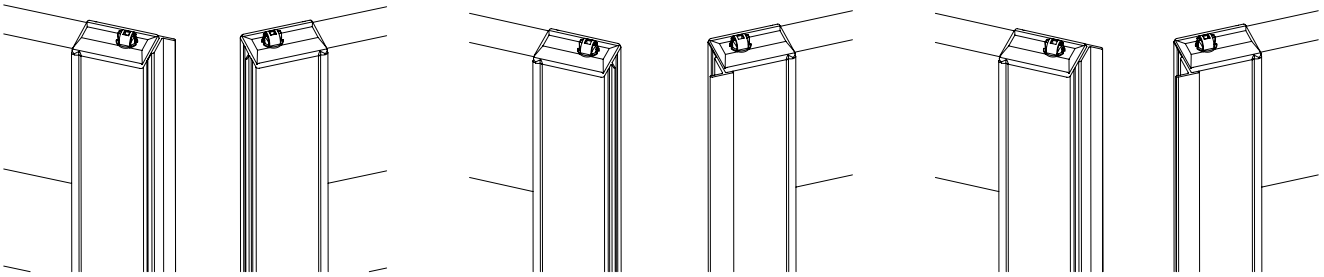


Flex Light Block

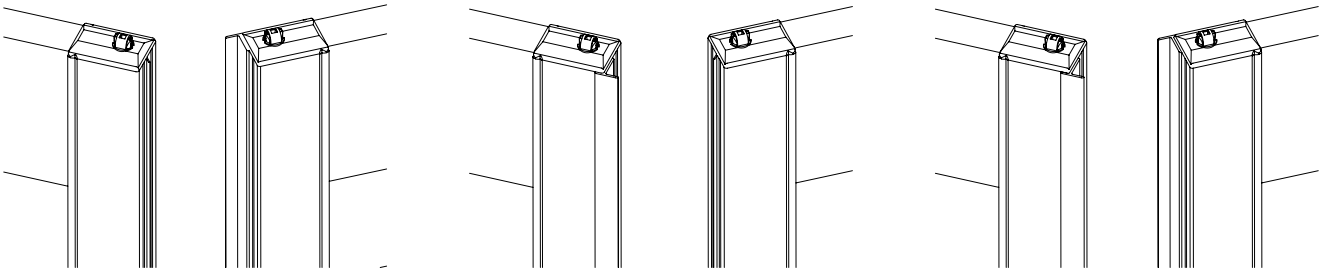
There are two light block options: standard light block which is flat, or flex light block which has a flexible rubber component.

Astragal

Astragal is a flange to cover the gap where two shutter panels meet. It helps to minimize the light passing between the panels. The available applications are:



Standard (S) Front (F) Both (B)



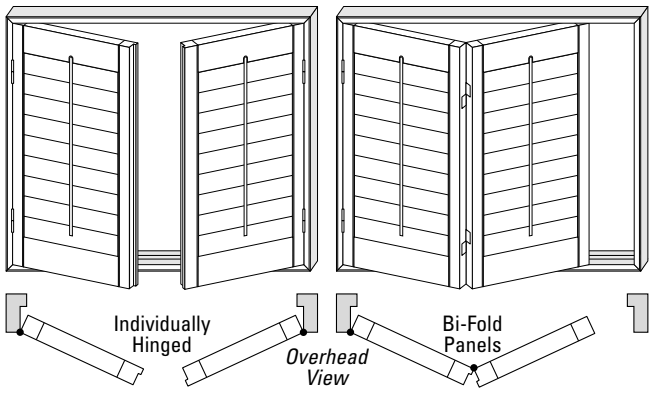
Reversed (R) Front Reversed (FR) Both Reversed (BR)

Standard Hinged Panels (SH)

Standard hinged panels can consist of multiple shutter panels in a variety of configurations. In addition to being hinged from the frames, panels may be hinged from T-Posts, which serve as intermediate vertical supports. Two panels may also be hinged together in a Bi-Fold panel design. Although unframed shutters are available, frames help compensate for out-of-square openings, offer superior light blockage and add a decorative style to the window or door opening.

Some of the more common types of standard hinged panels are illustrated in the Standard Hinged Panels➪ section.

Standard hinged panels are also available in a variety of special applications, including French door shutters, café, and double-hung shutters, and shutters for bay and corner windows. These special applications are described in detail beginning with French Doors➪.

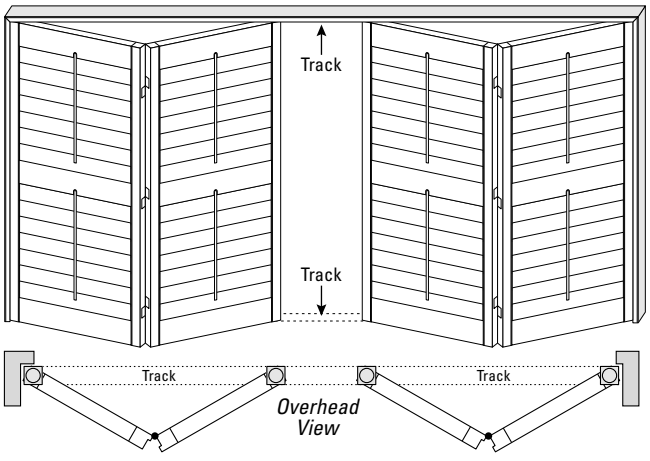


Standard Hinged Panel Examples

Bi-Fold Track (BF)

In a Bi-Fold track configuration, the shutter panels are connected to a top track which both supports the panels and guides their folding movement. Up to eight panels may be hinged together in a Bi-Fold track configuration. A special Bi-Fold Track Frame is used with Bi-Fold track configurations. The frame accommodates the track and minimizes light leaks. The track may also be attached directly to the ceiling or inside the window opening without a frame. A bottom floor track is recommended for all Bi-Fold track configurations to minimize panel sag and keep the panels from swinging in and out of the opening.

Possible panel arrangements in a Bi-Fold track configuration are illustrated in Bi-Fold Track Configurations➪.



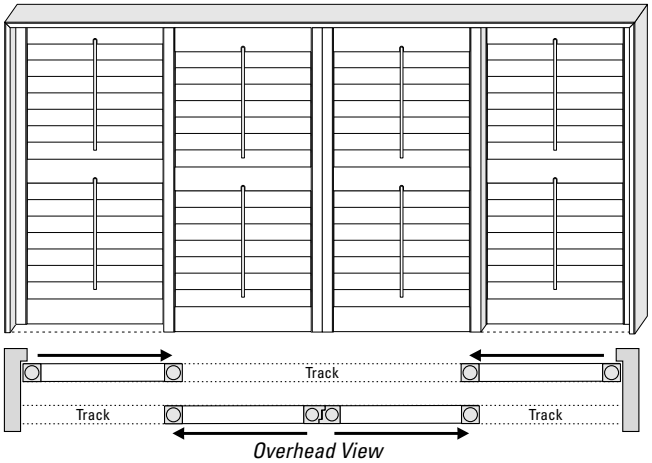
Bi-Fold Track Example

Bypass Track (BP)

Shutter panels in a Bypass track configuration are not hinged. Instead, they slide on top tracks to open and close. Two or three tracks are required so that the panels, or connected sets of panels, can slide past each other. The tracks can be attached to a special Bypass Track Frame or directly to the door opening. In door openings, the frames are usually threesided, with floor guides attached to the floor.

Controlled Close for Bypass is a mechanism for opening/closing bypass panels. It automatically slows a panels as it approaches the frame on either side of the unit, and gently brings it up against the frame. Controlled Close for Bypass comes standard on Bypass, Bypass Open Louver, and Bypass Triple Track Systems.

Panel configurations for Bypass track configurations are illustrated in Bypass Track Configurations[➪].



Bypass and Bypass Open Louver Track Example

Bypass Open Louver Track (BO)

The Bypass Open Louver track configuration is similar to the Bypass track configuration except it has additional projection so that louvers can be opened when the panels are positioned in front of one another. A maximum of two tracks is allowed with this configuration.

Bypass Triple Track (BT)

The Bypass Triple Track configuration uses the same frame as the Bypass Open Louver configuration, but with three tracks instead of two. Available in select panel configurations, the use of three tracks increases the view to two-thirds of the opening instead of one-half with a standard Bypass track configuration.

Specialty Shapes

The Poly Shutters product line includes a wide variety of specialty shapes with horizontal louvers, available framed or unframed. Refer to Specialty Shapes[➪].

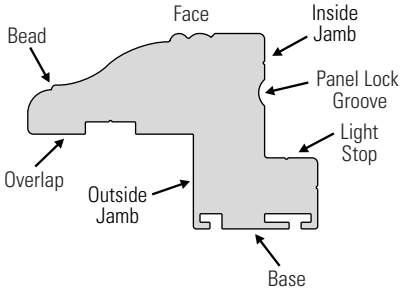
Skylights

Poly Shutters are not recommended for skylight applications. If installed in a skylight, warping of the frame and/or louvers may occur.

Frames and Louver Clearances

Frame Terminology

Common frame terminology is shown in the illustration at right.



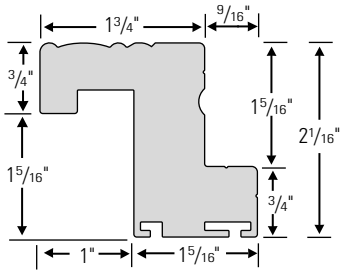
Louver Rear Clearances

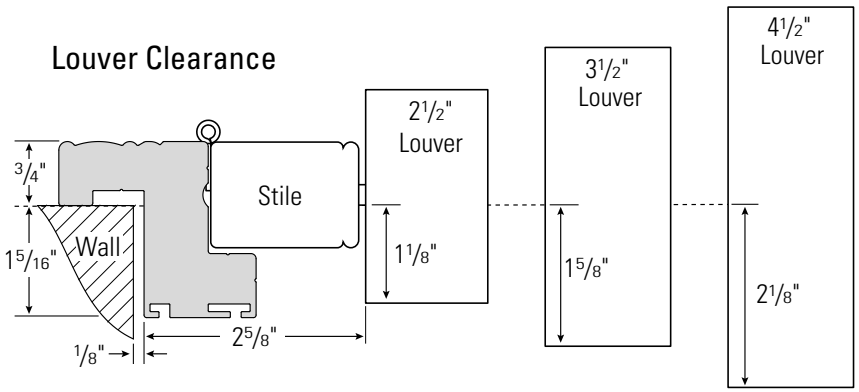
When selecting frames, louver size, and mounting style, it's important to consider the amount of clearance between the rear of open louvers and the glass, mullions, or other architectural features, or obstructions such as window cranks or handles.

Notes

- With all frame types, allow an additional 1/4" for louver clearance from the back edge of the louvers.
- Always check for obstructions.

Standard Z-Frame (Z71)





Inside Mount (IM)

Features

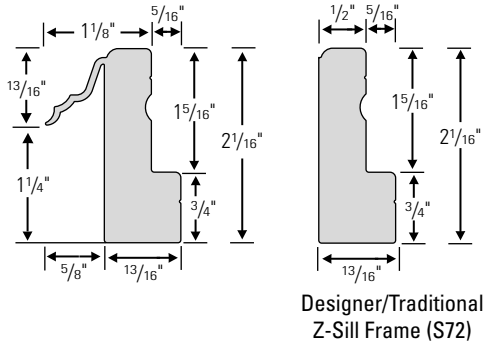
Designed with classic beading on the face, the Standard Z-Frame gives the window a finished look by providing a 1 3/4" wide frame around the opening. It is installed inside the window opening at a depth of 1 5/16" plus louver clearance, if necessary. The face provides an overlap of 1" to accommodate out-of-square windows.

- Mounting type: inside mount
- Minimum mounting depth: 1 5/16"
- Face width: 1 3/4"
- Base width: 1 5/16"
- L-Frame can be used as Sill Frame

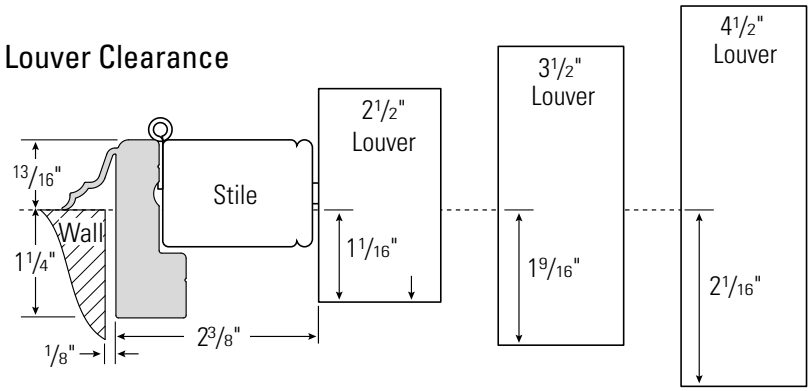
Notes

- The distance that the frame flange overlaps the wall may vary due to installation allowances and ordered size.

Designer Z-Frame (Z72)



Designer/Traditional Z-Sill Frame (S72)



Inside Mount (IM)

Features

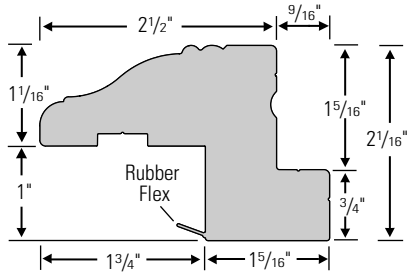
The flange of the Designer Z-Frame blends well with existing trim. The frame is installed in the window opening at a depth of 1 1/4" plus louver clearance, if necessary. The face provides an overlap of 5/8" to easily accommodate out-of-square windows.

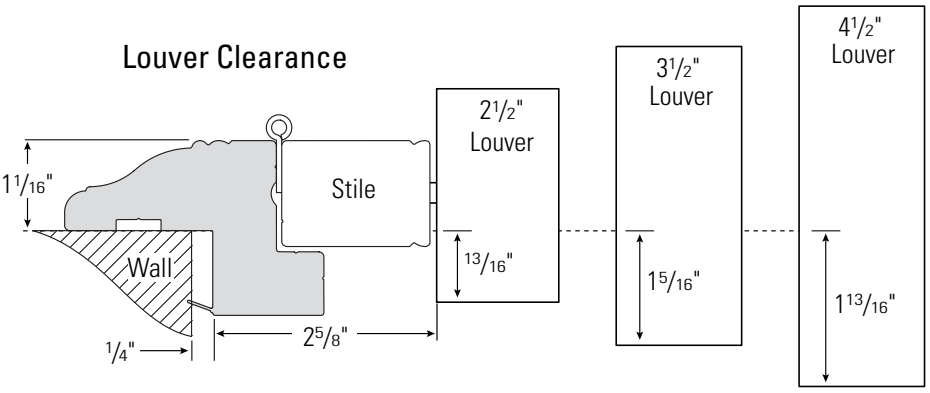
The Designer Z-Frame may be ordered with the Designer/Traditional Z-Sill Frame at the bottom for openings with a window sill.

- Mounting type: inside mount
- Minimum mounting depth: 1 1/4"
- Face width: 1 1/8"
- Base width: 13/16"
- Designer/Traditional Z-Sill Frame (S72) is the Sill Frame option

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Colonial Z-Frame (Z73)





Inside Mount (IM)

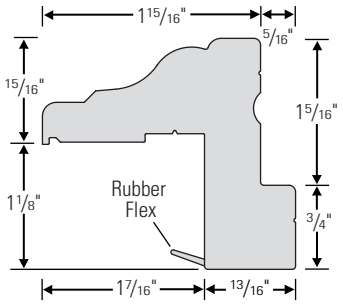
Features

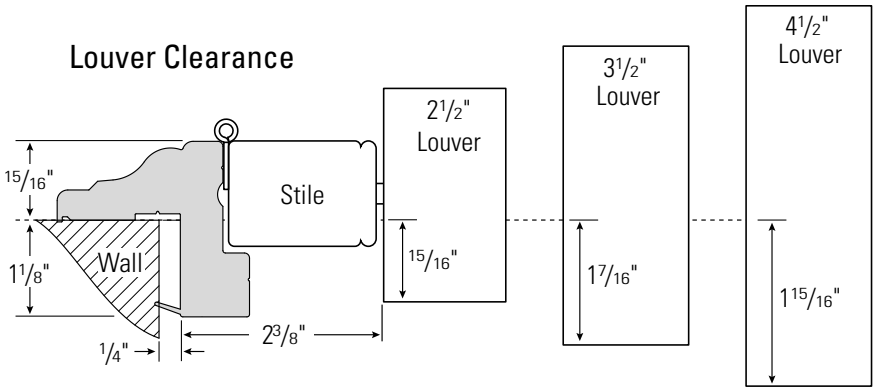
The 2 1/2" face of the Colonial Z-Frame adds elegance to any installation with its decorative and timeless design. It is installed inside the window opening at a depth of 1" plus louver clearance, if necessary. The face provides an overlap of 1 3/4" to easily accommodate out-of-square windows.

The frame has a flexible strip that extends from the back of the frame to cover the gap between the frame and the wall, concealing installation screws.

- Mounting type: inside mount
- Minimum mounting depth: 1"
- Face width: 2 1/2"
- Base width: 1 5/16"
- L-Frame is used as Sill Frame

Traditional Z-Frame (Z74)





Inside Mount (IM)

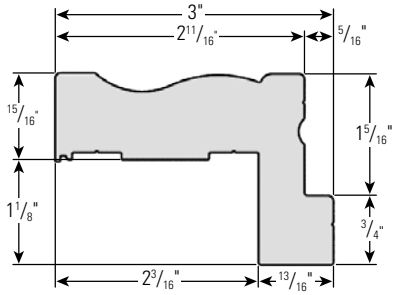
Features

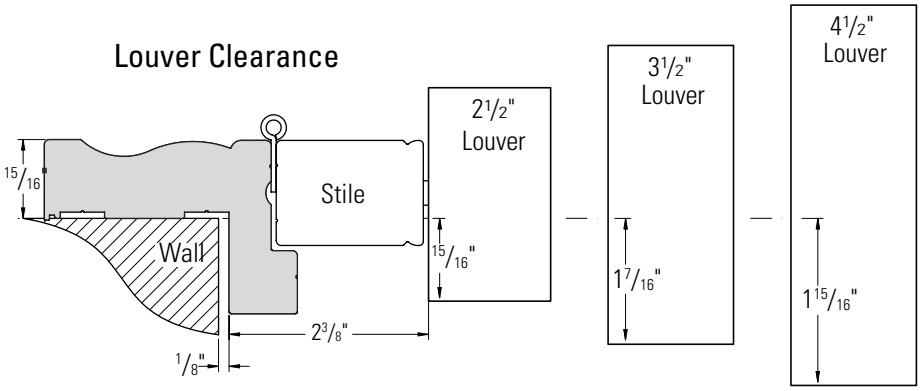
The 2" face of the Traditional Z-Frame is designed to coordinate with most trim and molding. It is installed inside the window opening at a depth of 11/8" plus louver clearance, if necessary. The face provides an overlap of 17/16" to easily accommodate out-of-square windows. The frame has a flexible strip that extends from the back of the frame to cover the gap between the frame and the wall, concealing installation screws.

- Mounting type: inside mount
- Minimum mounting depth: 1 1/8"
- Face width: 2"
- Base width: 13/16"
- Designer/Traditional Z-Sill Frame (S72) is the Sill Frame option

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Deluxe Z-Frame (Z75)





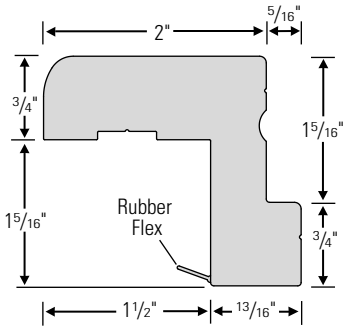
Inside Mount (IM)

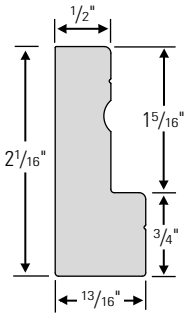
Features

The 2 11/16" face of the Deluxe Z-Frame provides a finished look to windows without decorative trim. The frame is installed in the window opening at a depth of 1 1/8", plus louver clearance. The face provides a generous overlap of 2 3/16" to easily accommodate out-of-square windows, or conceal damage from trim that has been removed. The Deluxe Z-Frame may be ordered with the L-Frame at the bottom for openings with a window sill.

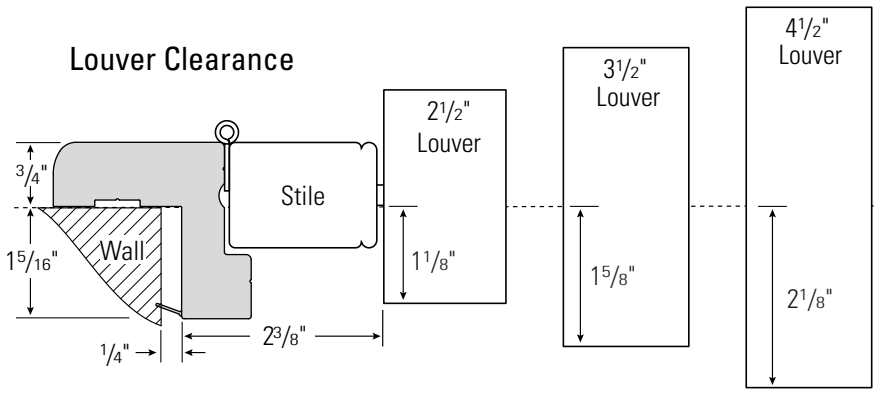
- Mounting type: inside mount
- Minimum mounting depth: 1 1/8"
- Face width: 2 11/16"
- Base width: 13/16"
- L-Frame (L71) is the Sill Frame option

Bullnose Z-Frame (Z76)





Bullnose Z-Sill Frame (S76)



Inside Mount (IM)

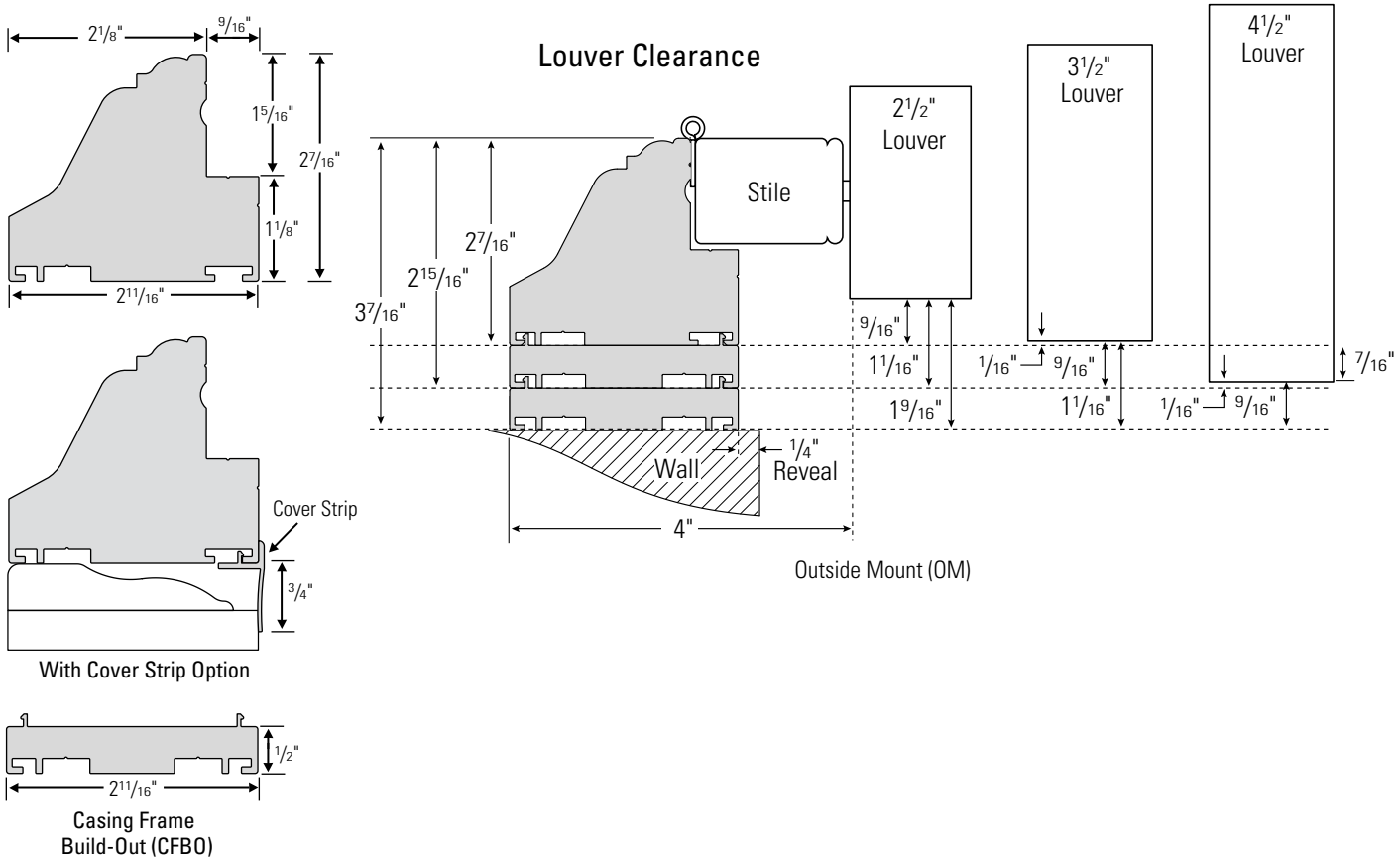
Features

The 2" face of the Bullnose Z-Frame provides a clean and sleek aesthetic. The frame is installed in the window opening at a depth of $1^{5}/_{16}$". The face provides an overlap of $1^{1}/_{2}$" to easily accommodate out-of-square windows. The frame has a flexible strip that extends from the back of the frame to cover the gap between the frame and the wall, concealing installation screws.

The Bullnose Z-Frame may be ordered with the Bullnose Z-Sill Frame at the bottom for openings with a window sill.

- Mounting type: inside mount
- Minimum mounting depth: $1^{5}/_{16}$"
- Face width: 2"
- Base width: $^{13}/_{16}$"
- Bullnose Z-Sill Frame (S76) is the Sill Frame option

Casing Frame (C71)



Features

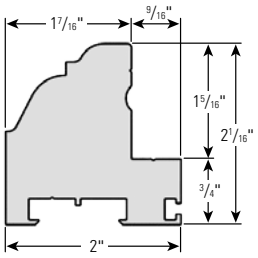
The Casing Frame is designed to be mounted on the outside perimeter of the window opening to create the look of a decorative molding. Its base of $2^{11}/_{16}$" allows it to be mounted over molding in many cases.

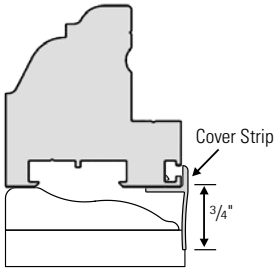
When installing on top of an existing trim, an optional Casing Frame Cover Strip may be ordered. The Casing Frame Cover Strip covers the gap created between the back of the frame and the front of the trim. The cover strip is inserted into the Casing Frame.

The Casing Frame Build-Out adds projection to the Casing Frame in $^1/_2$" increments.

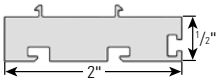
- Mounting type: outside mount
- Face width: $2^1/_8$"
- Base width: $2^{11}/_{16}$"
- Installed on the wall or directly on top of an existing trim
- Casing Sill/Decorative L-Frame (S71) can be used as Sill Frame

Standard Casing Frame (C72)

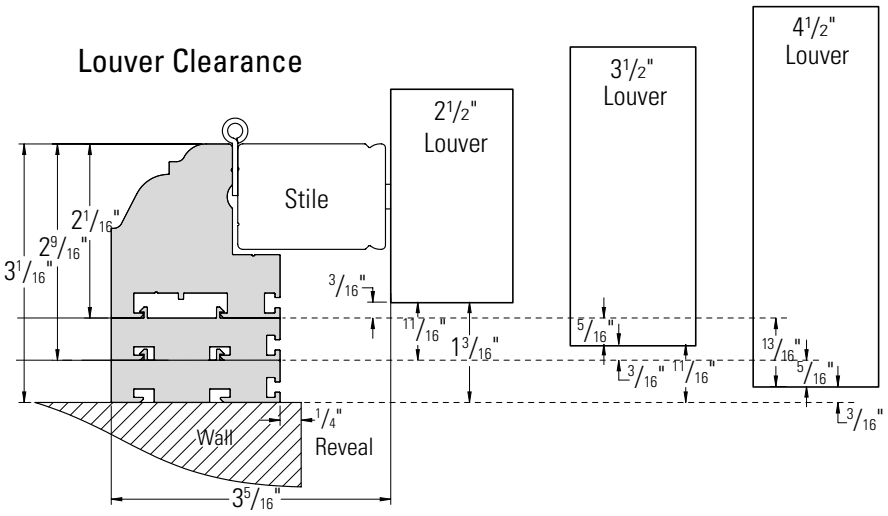




With Cover Strip Option



Standard Casing Frame Build-Out (SFBO)



Outside Mount (OM)

Features

The Standard Casing Frame is designed to be mounted on the outside perimeter of the window opening to create the look of a decorative molding, and is smaller than the Casing Frame. Its base of 2" allows it to be mounted over molding in many cases.

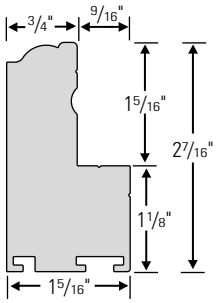
When installing on top of an existing trim, an optional Standard Casing Frame Cover Strip may be ordered. The Standard Casing Frame Cover Strip covers the gap created between the back of the frame and the front of the trim. The cover strip is inserted into the Standard Casing Frame.

The Standard Casing Frame Build-Out adds projection to the Standard Casing Frame in 1/2" increments.

- Mounting type: outside mount
- Face width: 1 7/16"
- Base width: 2"
- Installed on the wall or directly on top of an existing trim
- Standard Casing Sill/Designer L-Frame (S77) can be used as Sill Frame

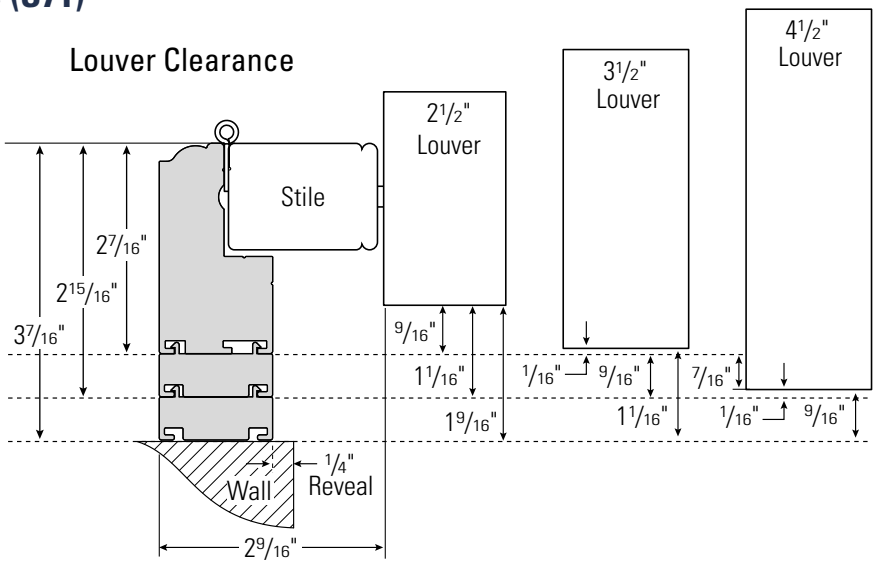
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Casing Sill/Decorative L-Frame (S71)



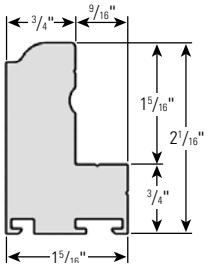
Features

- Mounting type: inside or outside mount
- Flush inside mounting depth: 2 7/16" (plus louver clearance if necessary)
- Minimum flat outside mounting surface: 1 5/16"
- Face width: 3/4"
- Base width: 1 5/16"
- Also available as four-sided frame



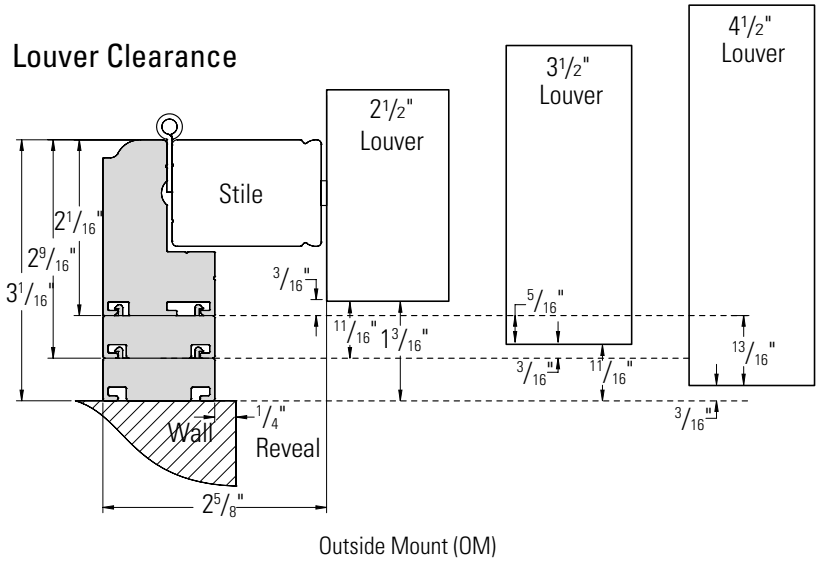
Outside Mount (OM)

Standard Casing Sill/ Designer L-Frame (S77)



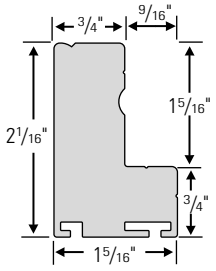
Features

- Mounting type: inside or outside mount
- Flush inside mounting depth: 2 1/16" (plus louver clearance if necessary)
- Minimum flat outside mounting surface: 1 5/16"
- Face width: 3/4"
- Base width: 1 5/16"
- Also available as four-sided frame



Outside Mount (OM)

L-Frame (L71)



Features

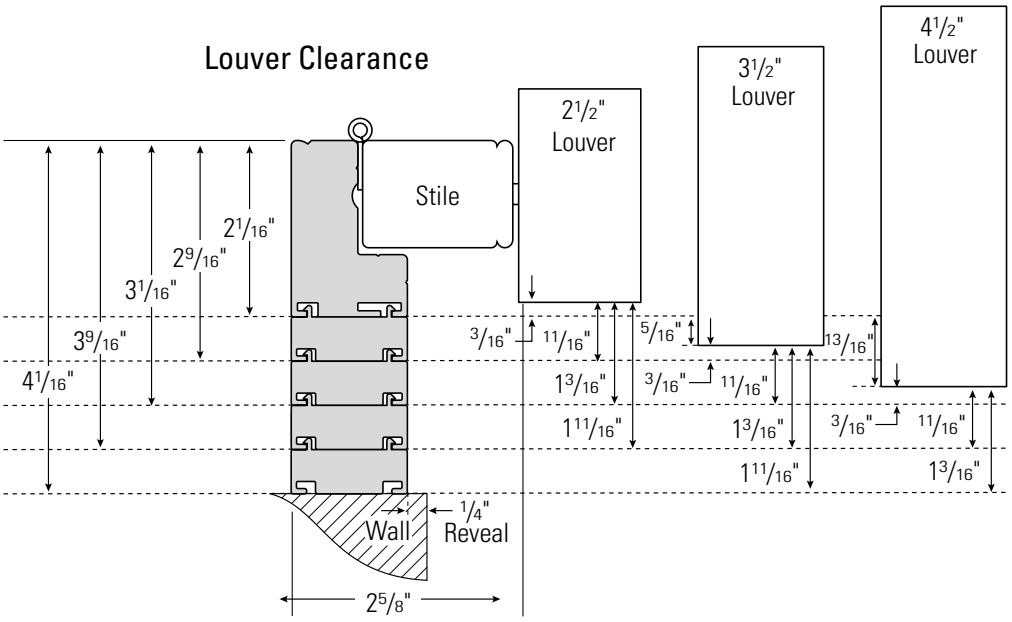
As an inside mount, the frame is installed directly into the window opening. It may be mounted at various depths within the opening, depending on clearance.

As an outside mount, the frame can be mounted on the outside perimeter of the window opening.

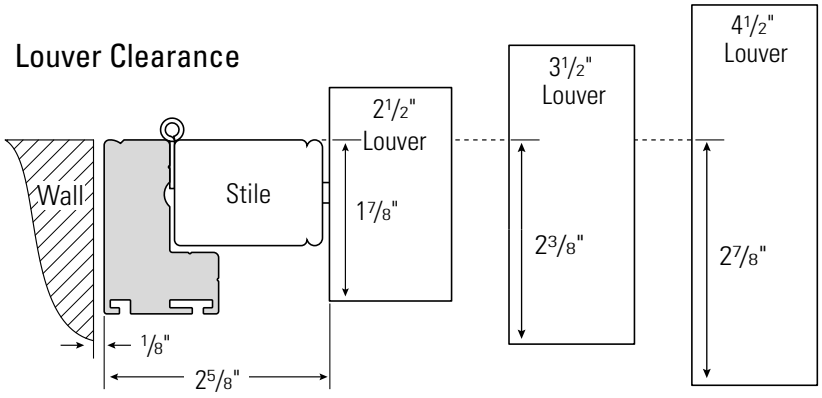
Notes

Outside mount L-Frames are not punched for the corner key since the punched hole would be visible. Glue is used to lock the key in place.

- Mounting type: inside or outside mount
- Flush inside mounting depth: 2 1/16" (plus louver clearance if necessary)
- Minimum flat outside mounting surface: 1 5/16"
- Face width: 3/4"
- Base width: 1 5/16"
- L-Frame is used as Sill Frame

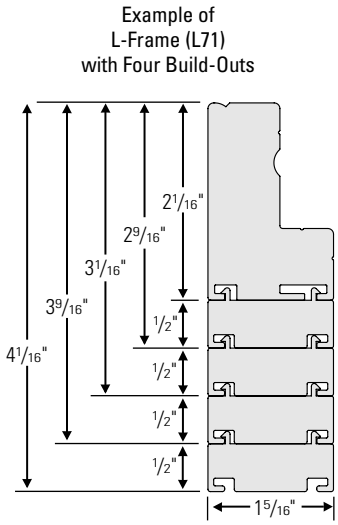


Outside Mount (OM)



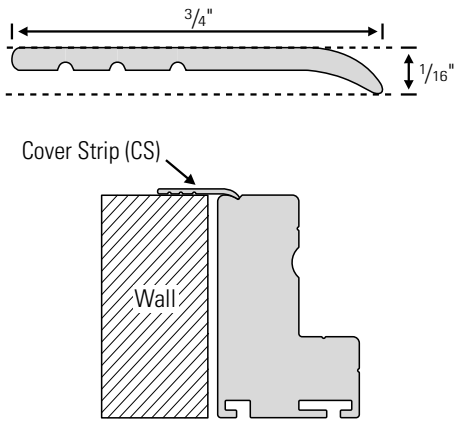
Inside Mount (IM)

L-Frame Build-Out (LFBO)



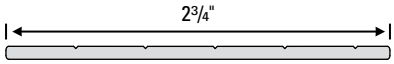
The L-Frame Build-Out adds projection to the L-Frame, Casing Sill/ Decorative L-Frame, or Standard Casing Sill/Designer L-Frame in 1/2" increments.

Standard L-Frame Cover Strip (CS)



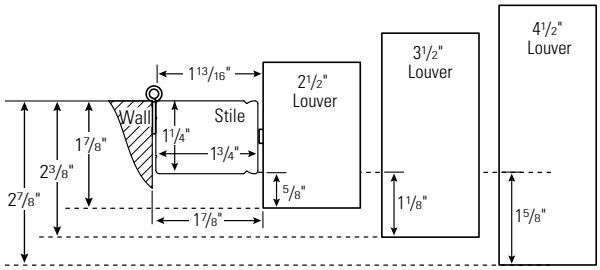
- The optional Standard L-Frame Cover Strip can be used to cover light gaps between the frame and window opening, installation screws, and window irregularities. It is available on all inside mount (IM) L-Frame applications.
- Cover Strip is supplied in 16-foot rolls.
- Scoring lines allow for custom sizing.
- Glued to the front or back of the frame during installation.

Scribe (SCR)

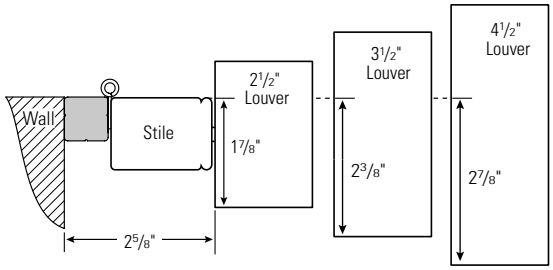


- Thin piece of flat vinyl that can be cut into strips or small pieces and used as shims. Can also be added behind or on the side of a panel or frame in order to block light. Includes five score lines spaced 1/2" apart for easy cutting and measuring.

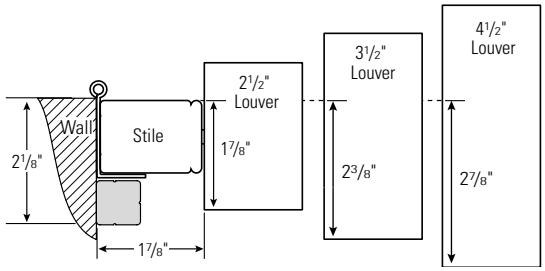
Louver Clearances



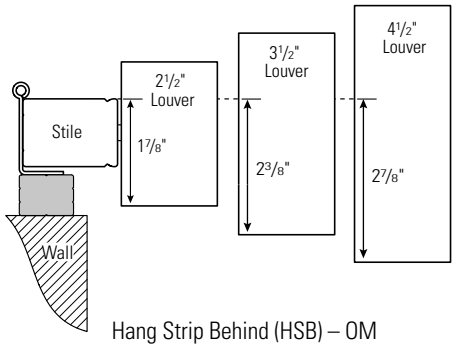
No Frame (N) – IM



Hang Strip Side (HSS) – IM

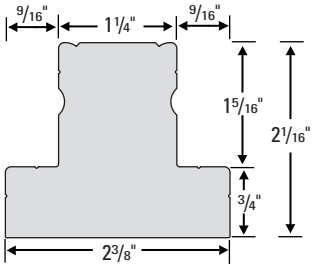


Hang Strip Behind (HSB) – IM



Hang Strip Behind (HSB) – OM

T-Post (T)



T-Post

Features

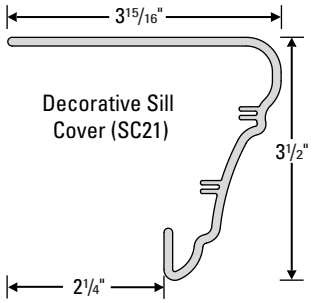
T-Posts are vertical components of the shutter frame that separate the frame into multiple panel sets. Shutter panels are hinged within each set. T-Posts allow for placement of more panels (or panel sets) within the same opening, and add structural integrity to a shutter.

- Face width: 1 1/4"
- Base width: 2 3/8"
- Notched to fit into the frames or can be installed to an existing opening with L-brackets.

Notes

- Vertical T-Posts are not recommended with three-sided or café applications due to possible lack of a stable mounting surface.
- Vertical T-Posts are recommended on standard hinged, bi-fold panels where the width is greater than the height. Example: LLRR should be ordered as LRTLR.
- T-Posts can also be used horizontally in Double-Hung applications.

Decorative Sill Cover (SC21)



Features

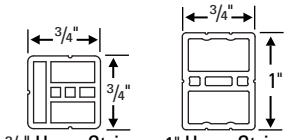
The decorative sill cover is perfect for covering projecting window sills and can also be used on drywall openings to create the look of a custom trimmed window.

- Mounting type: inside or outside mount
- Minimum mounting depth: matches frame used on opening
- Face height: 3 1/2"
- Can be used with three-and four-sided framed units as well as unframed applications
- Four-sided framed applications require a Sill Frame bottom.
- Decorative sill covers cannot be used with build-out.

Notes

- Depth will vary based on sill type.

Hang Strip (HS21/HS22)



3/4" Hang Strip (HS21)

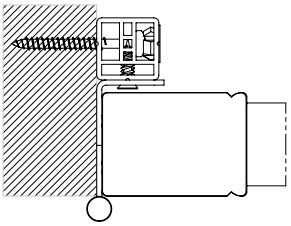
1" Hang Strip (HS22)

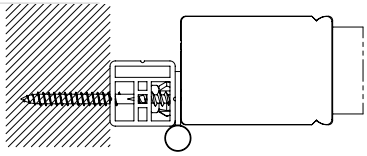
Features

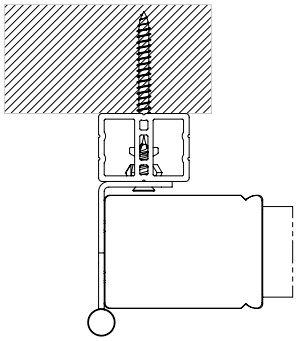
The Hang Strip can be used as an alternative mounting method when regular frames are not appropriate or desired. A two-sided framing option, the Hang Strip can be inside or outside mounted. The Hang Strip can be mounted to the side(s) (HSS) of the shutter panel or behind it (HSB). Hang Strip to the side (HSS) applications can only be ordered as inside (IM) mount.

On IM applications, the Hang Strip height will be 1/16" shorter than the ordered height to ensure there is space for mounting to the inside of the opening. When ordering Hang Strips, two pieces of light block will be provided for the top and bottom of the opening for inside mount only.

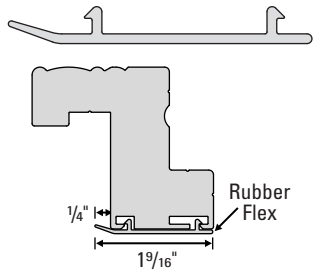
Applications


Inside Mount Application
3/4" x 3/4" Hang Strip and Wrap-Around Hinge
(Order HSB and HS21)


Inside Mount Application
3/4" x 3/4" Hang Strip and Standard Hinge
(Order HSS and HS21)


Outside Mount Application
1" x 3/4" Hang Strip and Wrap-Around Hinge
(Order HSB and HS22)

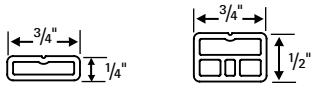
Rubber Flex (RF)



Standard Z-Frame with Rubber Flex

- Optional feature designed to minimize light gaps on the back of the Standard Z-Frame, L-Frame and Casing Sill/Decorative L-Frame, if an inside mount.
- When rubber flex is ordered, an additional 3/16" deduction is taken per frame side.
- Rubber flex is standard on the Colonial Z-Frame, Traditional Z-Frame and Bullnose Z-Frame; it is not available on the Designer Z-Frame.

Light Stop/Trim Strip (LS21/LS22)



1/4" Light Stop/ Trim Stop (LS21)

1/2" Light Stop/ Trim Stop (LS22)

- Light Stop/Trim Strip is used to finish an installation when ordered as lineal material, or as a filler strip.

Notes

- All frames are designed with integrated light stops.
- For Hang Strip inside mount applications or on sides where there are no frames, light block will be sent to cover the gap between the panel and the opening. Available light block options are 1/4" Light Stop/Trim Strip, 1/2" Light Stop/Trim Strip and 3/4" Hang Strip.
- Light Stop is not included as standard for tops of café units, track configurations, or 3D applications.
- Additional Light Stop/Trim Strip or Hang Strip may be ordered as lineal material for finishing or detailing the installation.
- For Hang Strip Behind or No Frame applications where magnets are ordered instead of panel locks, sagging may occur due to lack of support for the panels.

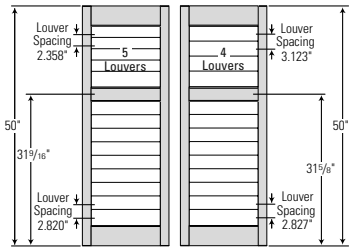
Measuring Guidelines

Importance of Accuracy

Proper fit requires precise, accurate measurements. It is essential to use a quality steel tape measure. Measure all windows, even though they may appear to be identical. Measurements should indicate the width first, then the height. Always measure to the nearest 1/16".

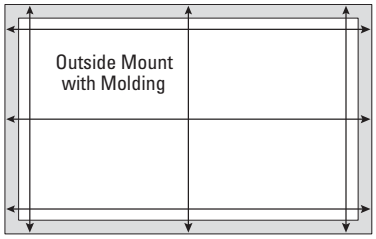
Notes

- Cranks, latches, depth, and squareness of the window opening must also be considered.
- Ordering openings with minor height variations may result in differences in louver count, louver spacing, divider rail placement, and rail size as shown in the example below. To avoid this issue,order all openings of similar height with the exact same height, divider rail location, split tilt, etc.



Outside Mount on Molding

1. Measure the width and height from outside of molding to outside of molding in three places, as indicated below. Order the **largest** size.



Ordered measurements will be the finished size of the shutter including the frame.

Outside Mount L Frames Around Molding

Notes

Take into consideration the construction of the window to ensure sufficient mounting space and a secure attachment to the wall stud or window framing.

1. Measure the width and height in three places, as described above.
2. To determine ordered size, add the appropriate overlap factors from the Outside Mount Frame Overlap chart.

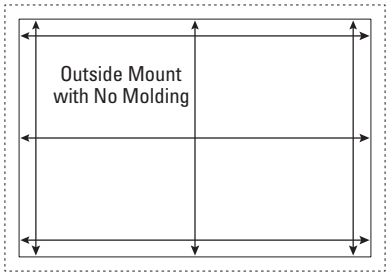
Ordered measurements will be the finished size of the shutter including the frame.

Notes

- Depending on molding width, molding may be visible when the louvers are open. Check for louver clearance to determine if build-out is required.

Outside Mount L Frames or Deluxe Casing Frame (No Molding)

1. Measure the width and height inside the opening in three places, as indicated below. Record all measurements.



2. To determine ordered size, add the appropriate overlap factors from the Outside Mount Frame Overlap chart.

The ordered measurements will be the finished size of the shutter including the frame.

Outside Mount Frame Overlap

Frame Type	Overlap per Frame Side
L-Frame (L71)	1 9/16"
Casing Sill/Decorative L-Frame (S71)	1 9/16"
Designer/Traditional Z-Sill Frame (S72)	1 1/16"
Standard Casing Sill/ Designer L-Frame (S77)	1 9/16"
Casing Frame (C71)	2 15/16"
Standard Casing Frame (C72)	2 1/4"

Notes

- Overlap factor provides for frame base plus 1/4" reveal per frame side. Add additional reveal when required.

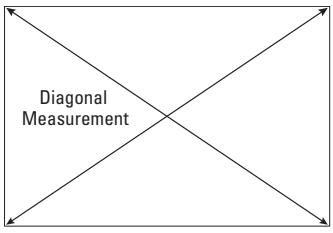
Inside Mount with L Frames or Z Frames

Z frames require these flat surfaces around the opening for the frame overlap (per frame side):

- Standard Z-Frame (Z71): 1"
- Designer Z-Frame (Z72): 5/8"
- Colonial Z-Frame (Z73): 1 1/2"
- Traditional Z-Frame (Z74): 1 3/16"
- Deluxe Z-Frame (Z75): 2 3/16"
- Bullnose Z-Frame (Z76): 1 1/4"

L frames fit inside the opening and require no overlap.

1. Measure the width inside the opening at the top, middle, and bottom. Order the **smallest** size.
2. Measure the height inside the opening at the left, center, and right. Order the **smallest** size.
3. To determine squareness, measure diagonally from top left to bottom right from top right to bottom left. If the measurements are not equal, the opening is not square. If the measured difference is greater than 1/2", reduce the ordered size accordingly or consider an outside mount.



Minimum Mounting Depths

For minimum mounting depths refer to Standard Hinged Panels➪.

Inside Mount Deductions

Your ordered measurements are the size from which deductions will be taken at the factory. Follow the same measuring procedures (steps 1, 2, and 3) as shown for inside mounts with L frames or Z frames.

Inside Mount Framed Deductions — Without Rubber Flex

Frame Type	Width	Height
4-Sided Frames	–1/4"	–1/4"
4-Sided Frames with Sill Bottom	–1/4"	–1/4"
3-Sided Frames with no Bottom	–1/4"	–1/8"

Notes
- All deductions are taken from ordered dimensions and may vary ±1/16".
- Does not include Colonial Z-Frame (Z73), Traditional Z-Frame (Z74) or Bullnose Z-Frame (Z76).

Inside Mount Framed Deductions — with Rubber Flex

Frame Type	Width	Height
Colonial Z-Frame (Z73), Traditional Z-Frame (Z74), Bullnose Z-Frame (Z76)		
— 4-Sided Frames	–1/2"	–1/2"
— 4-Sided Frames with Sill Bottom		
Colonial Z-Frame	–1/2"	–7/16"
Traditional Z-Frame, Bullnose Z-Frame	–1/2"	–3/8"
— 3-Sided Frames with no Bottom	–1/2"	–1/4"
All Other Frames[1]		
— 4-Sided Frames	–3/8"	–3/8"
— 4-Sided Frames with Sill Bottom	–3/8"	–3/8"
— 3-Sided Frames with no Bottom	–3/8"	–3/16"

[1] Does not include Designer Z-Frame (Z72).

Notes
- All deductions are taken from ordered dimensions and may vary ±1/16".

Inside Mount No Frame Deductions

Frame Type	Width	Height
Panel Deductions	–3/16"	–1/4"

Notes
- All deductions are taken from ordered dimensions and may vary ±1/16".
- Hinge thickness consumes half of width deduction.

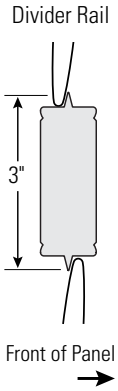
Inside Mount Hang Strip Behind (HSB) and Hang Strip to the Side (HSS) Deductions

Frame Type	Width	Height
Panel Deductions	–3/16"	–1/4"
Frame Deductions — 1- or 2-Sided	0"	–1/16"

Notes
- All deductions are taken from ordered dimensions and may vary ±1/16".
- With 3-sided door applications (3D), the factory will provide 5/8" panel-to-floor deduction.
- Light Stop is recommended to minimize the light gaps around panels. It must be ordered in the Frame Detail.
- For Hang Strip Behind or No Frame applications where magnets are ordered instead of panel locks, sagging may occur due to lack of support for the panels.

Measuring for Divider Rails and Split Tilt

Divider Rails



Divider rails add strength to shutter panels while providing versatility. With a divider rail in place, the separate sections of the shutter panel operate independently of each other. One divider rail is required for panels greater than 66" in height. Two divider rails are required for panels greater than 96" in height. See Size Standards℠ for more information on divider rail placement.

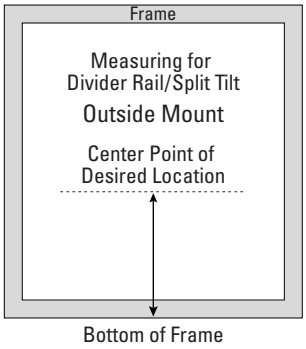
Notes
- Center of divider rail will be located exactly as ordered. Louver spacing above and below divider rail may vary.
- In the closed position, the ordered split tilt height will be covered by the lower louver section.
- The top of the louver in the lower louver section, in the closed position, may be above the ordered split tilt location by as much as 2" with 2 1/2" louvers, 3" with 3 1/2" louvers, and 4" with 4 1/2" louvers. If location is critical, contact Customer Service.

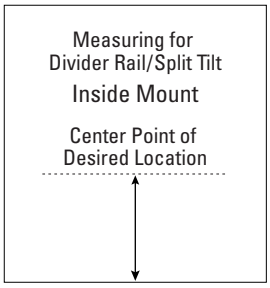
Divider Rail/Split Tilt Location

The divider rail/split tilt should be placed to meet customers' needs. You must indicate the location of the divider rail/split tilt.

Note

With multiple windows in the same room, order the same heights whenever possible to avoid visual misalignment.
- **Outside mount**: measure from the bottom of where the frame will be located to the center point of the desired location.
- **Inside mount**: measure from the bottom inside of the opening to the center point of the desired location.
- **Three-sided frame**: measure from the floor or sill to the center point of the desired location.

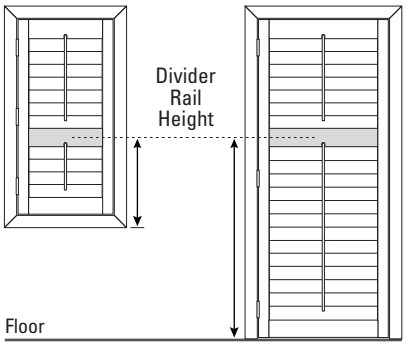


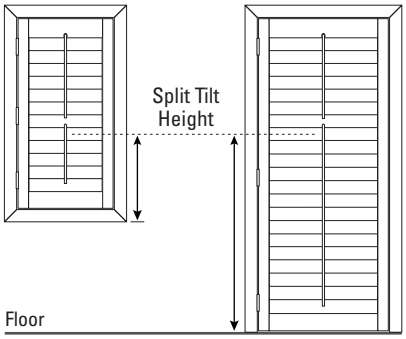


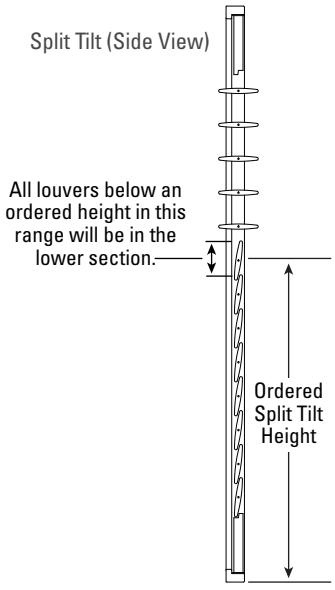
These are the requirements when specifying divider rail or split tilt locations:
- Minimum of two louvers between rails.
- Maximum distance from center of the divider rail to the center of other divider rails, or to the top and bottom of a shutter panel, is 66".

Specifying Divider Rail/Split Tilt Locations on Windows of Different Heights

1. Determine the common divider rail location for all windows.
2. Mark the location on the molding or wall at the first window.
3. Measure from the floor to the mark.
4. Carry that measurement from the floor to all the other windows and mark the molding or wall at each location.
5. Then measure up to the mark at all windows, following the procedure for outside mounts, inside mounts or threesided frames.







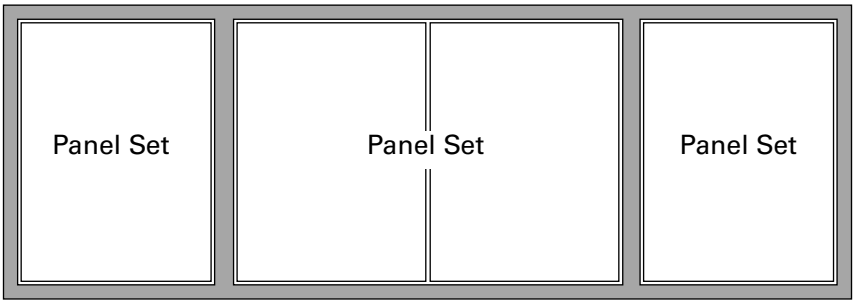
Openings with T-Posts

- A T-Post is a vertical component of the shutter frame that separates the frame into multiple panel sets. Shutter panels are hinged within each set.
- T-Posts allow for placement of more panels (or panel sets) within the same opening, and add structural integrity to a shutter.
- T-Posts can be ordered as EQP or measured.

EQP T-Posts

- All panels in the opening are equal in width.
- T-Post positions are predetermined based on the shutter configuration.
- T-Post and panel width measurements are not required.

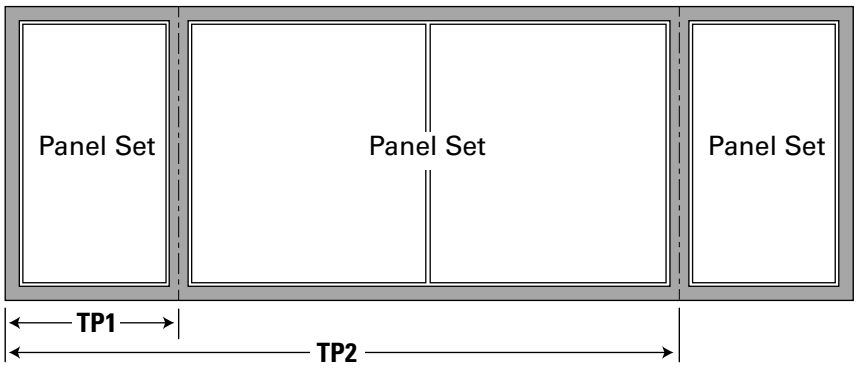
EQP T-Posts



Measured T-Posts With Even Panels

- Panel widths are equal within each panel set.
- T-Post positions are measured.
- T-Post measurements (TP1, TP2, etc.) are required.
- Panel width measurements are not required.

Measured T-Posts With Even Panels



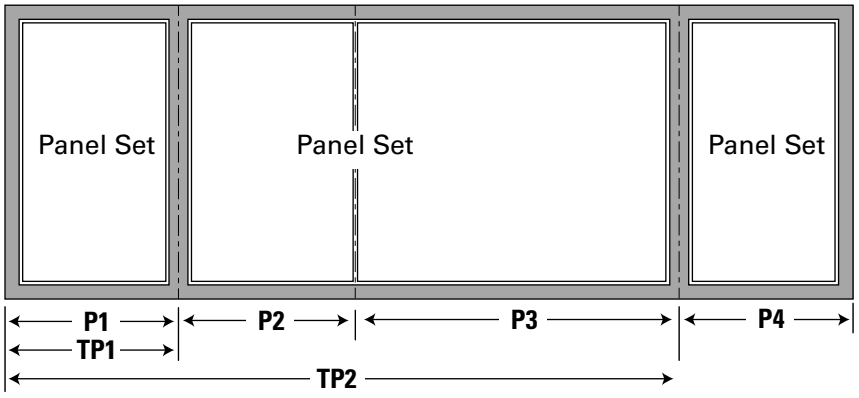
Measured T-Posts With Uneven Panels

- Panel widths are not equal within each panel set.
- T-Post positions are measured.
- T-Post measurements (TP1, TP2, etc.) are required.
- Panel width measurements (P1, P2, etc.) are required.

Example shown on the right:

— P1 must be equal to TP1
— P1 + P2 + P3 must be equal to TP2
— P1 + P2 + P3 + P4 must be equal to the ordered width

Measured T-Posts With Uneven Panels



Measuring for T-Posts

1. Measure from the left-most point of the overall ordered width (for outside mount, include frame adder) to the center of the first desired T-Post location.
2. Measure from the left-most point of the overall ordered width to the center of the second desired T-Post location.
3. Repeat this procedure for any additional T-Post locations.
4. Enter the desired T-Post locations in designated section of the order form.

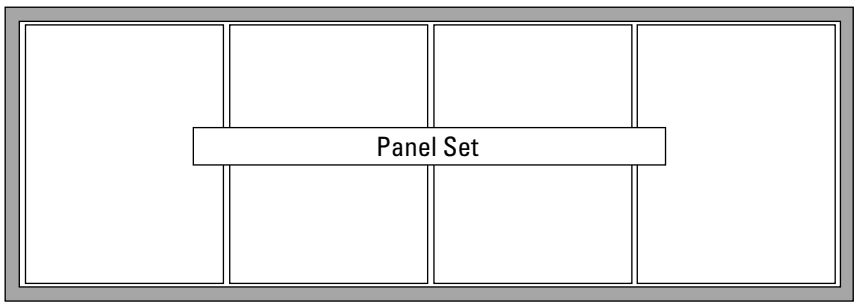
Openings without T-Posts

- All panels within the opening make up one panel set.
- Shutters without T-Posts can be ordered with Even panels or Uneven panels. Even panels is the default.
  - To order a shutter with all panels having equal widths, select Even panels.
  - When specific panel widths are needed, use special instructions to enter the desired locations where the panels should meet.

Even Panels

- All panels in the opening are equal in width.
- Panel width measurements are not required.

Even Panels



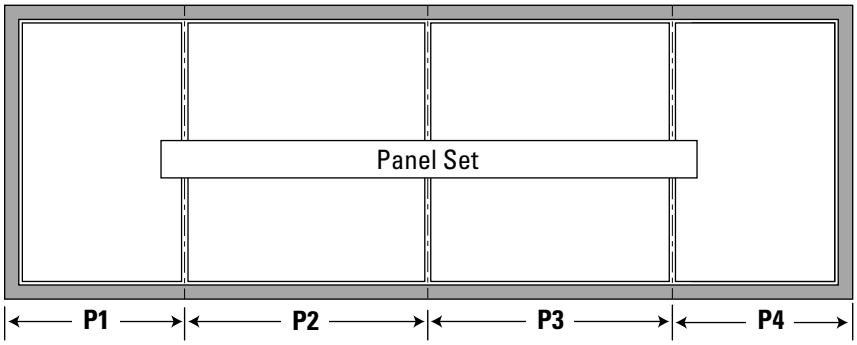
Uneven Panels

- Panel widths are not equal.
- Panel width measurements are required.

Example shown on the right:

- P1 + P2 + P3 + P4 must be equal to the ordered width

Uneven Panels



Using the Decorative Sill Cover

The decorative sill cover is designed to cover projecting window sills. Refer to the Decorative Sill Cover dimension chart to determine the finished dimension of the Decorative Sill Cover and maximum allowances for sill cover ears **A**, sill cover projection **B**, and sill cover depth into the opening **C**.

Ordering Considerations

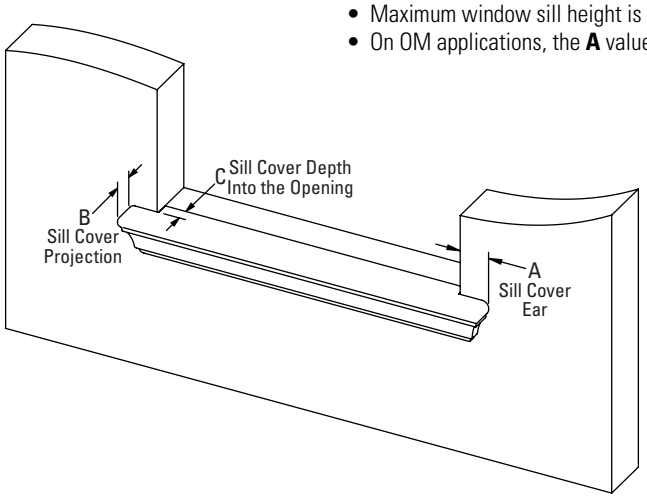
- Follow standard measuring practices, considering the Decorative Sill Cover dimension chart.
- The Decorative Sill Cover can be configured with all frame types; can also be used in without frame applications.
- Inside mount (IM) frames can be used with two-, three-, or four-sided frames.
- Outside mount (OM) frames require a four-sided frame with a sill bottom frame.
- OM special applications require the opening width as well as the ordered width.
- All four-sided frames must be ordered with a sill bottom frame.
- T-Post installations are limited to four-sided frame applications.
- The Decorative Sill Cover can be ordered wider than the dimensions in the chart if necessary.
- Appropriate filler strips will accompany orders on OM applications to fill any gaps behind the Decorative Sill Cover.
- The back of the sill cover will align with the back of the frame.

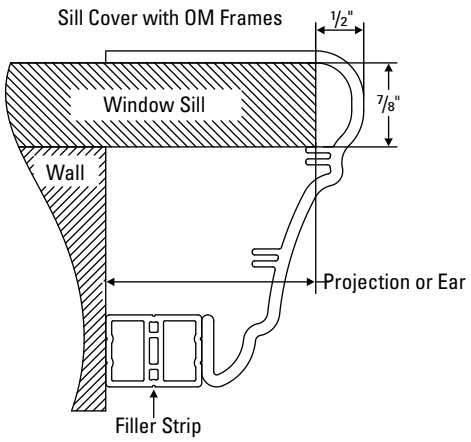
Decorative Sill Cover Dimensions

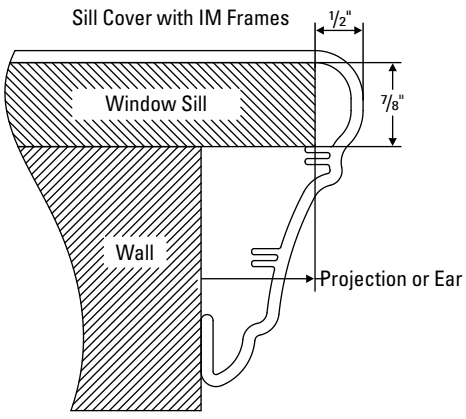
Frame Type	A	B	C
Casing Frame (C71)	$3\frac{9}{16}$"	$2\frac{9}{16}$"	0"
Standard Casing Frame (C72)	$2\frac{7}{8}$"	$2\frac{1}{4}$"	0"
L-Frame – OM (L71)	$2\frac{3}{16}$"	$2\frac{9}{16}$"	0"
Casing Sill/Decorative L-Frame – OM (S71)	$2\frac{3}{16}$"	$2\frac{15}{16}$"	0"
Standard Casing Sill/Designer L-Frame – OM (S77)	$2\frac{3}{16}$"	$2\frac{9}{16}$"	0"
L-Frame – IM (L71)	$1\frac{1}{8}$"	$1\frac{11}{16}$"	$2\frac{1}{16}$"
Casing Sill/Decorative L-Frame – IM (S71)	$1\frac{1}{8}$"	$1\frac{11}{16}$"	$2\frac{7}{16}$"
Standard Casing Sill/Designer L-Frame – IM (S77)	$1\frac{1}{8}$"	$1\frac{11}{16}$"	$2\frac{1}{16}$"
Standard Z-Frame (Z71)	$1\frac{1}{2}$"	$1\frac{11}{16}$"	$1\frac{5}{16}$"
Designer Z-Frame (Z72)	$1\frac{1}{8}$"	$1\frac{11}{16}$"	$1\frac{1}{4}$"
Colonial Z-Frame (Z73)	$2\frac{1}{8}$"	$1\frac{11}{16}$"	1"
Traditional Z-Frame (Z74)	$1\frac{13}{16}$"	$1\frac{11}{16}$"	$1\frac{1}{8}$"
Deluxe Z-Frame (Z75)	$2\frac{3}{4}$"	$1\frac{11}{16}$"	$1\frac{1}{8}$"
Bullnose Z-Frame (Z76)	$1\frac{7}{8}$"	$1\frac{11}{16}$"	$1\frac{5}{16}$"
Hang Strip to Side – IM (HSS)	$1\frac{1}{8}$"	$1\frac{11}{16}$"	$2\frac{1}{16}$"
Hang Strip Behind – IM (HSB)	$1\frac{1}{8}$"	$1\frac{11}{16}$"	$2\frac{1}{8}$"

Notes

- Maximum window sill ear width is $\frac{1}{2}$" less than **A** value.
- Maximum window sill projection is $\frac{1}{2}$" less than **B** value.
- Maximum window sill height is $\frac{7}{8}$".
- On OM applications, the **A** value includes the standard $\frac{1}{4}$" reveal.







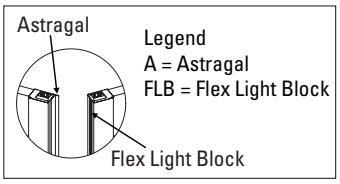
Configurations

Overview

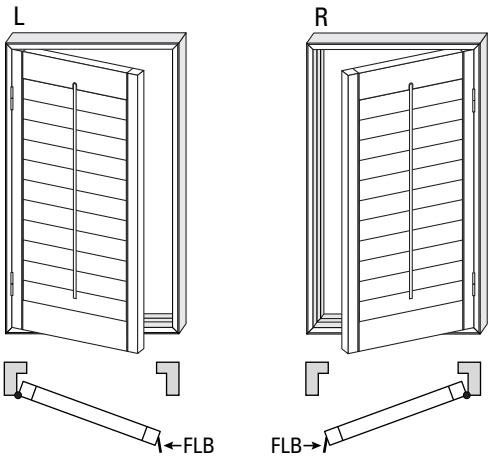
In this panel configuration section, some of the most popular shutter configurations are shown. Each configuration has a letter code, as well as minimum and maximum ordered widths. Order your shutter configuration by the example codes shown.
Ordering panels in even numbers is often suggested because it allows for uniform folding when the panels are opened to the side of the window.
The use of a T-Post increases the number of possible panel combinations.

Notes

- The minimum and maximum ordered widths include frames and T-Posts as illustrated.
- For minimum and maximum panel dimensions, see Size Standards[∞].
- Bi-Fold or Bypass track configurations are recommended for large 3-sided door openings.
- Vertical T-Posts are recommended on standard hinged, bi-fold panels where the width is greater than the height. Example: LLRR should be ordered as LRTLR.

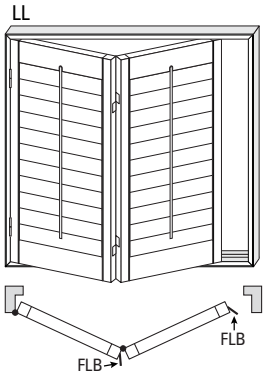


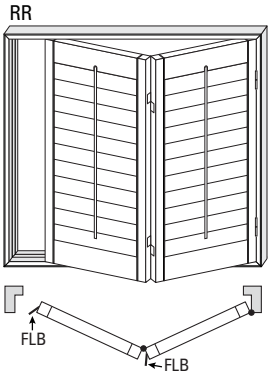
One Panel



		Ordered Width		
Mount	**Frame**	**Minimum**	**Smart Shades Automation Minimum**	**Maximum**
IM	N, HSB	$7^{3}/_{16}$"	$17^{3}/_{16}$"	$36^{3}/_{16}$"
	Z72	$8^{7}/_{16}$"	$18^{7}/_{16}$"	$37^{7}/_{16}$"
	Z74, Z75, Z76, HSS	$8^{11}/_{16}$"	$18^{11}/_{16}$"	$37^{11}/_{16}$"
	L71, S71, S77, Z71	$8^{15}/_{16}$"	$18^{15}/_{16}$"	$37^{15}/_{16}$"
	Z73	$9^{3}/_{16}$"	$19^{3}/_{16}$"	$38^{3}/_{16}$"
OM	N, HSB	7"	17"	36"
	L71, S71, S77	$8^{11}/_{16}$"	$18^{11}/_{16}$"	$37^{11}/_{16}$"
	C71	$11^{7}/_{16}$"	$21^{7}/_{16}$"	$40^{7}/_{16}$"
	C72	$10^{1}/_{16}$"	$20^{1}/_{16}$"	$39^{1}/_{16}$"

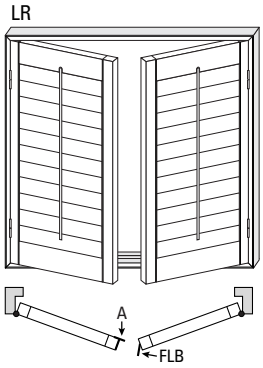
Two Panels — Bi-Fold





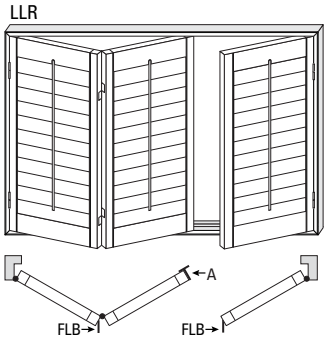
		Ordered Width		
Mount	**Frame**	**Minimum**	**SS Auto Minimum**	**Maximum**
IM	N, HSB	14 5/16"	34 5/16"	48 5/16"
	Z72	15 9/16"	35 9/16"	49 9/16"
	Z74, Z75, Z76, HSS	15 13/16"	35 13/16"	49 13/16"
	L71, S71, S77, Z71	16 1/16"	36 1/16"	50 1/16"
	Z73	16 5/16"	36 5/16"	50 5/16"
OM	N, HSB	14 1/8"	34 1/8"	48 1/8"
	L71, S71, S77	15 13/16"	35 13/16"	49 13/16"
	C71	18 9/16"	38 9/16"	52 9/16"
	C72	17 3/16"	37 3/16"	51 3/16"

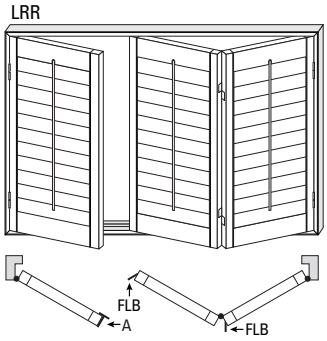
Two Panels — Individually Hinged



		Ordered Width		
Mount	**Frame**	**Minimum**	**SS Auto Minimum**	**Maximum**
IM	N, HSB	14 1/4"	34 1/4"	72 1/4"
	Z72	15 1/2"	35 1/2"	73 1/2"
	Z74, Z75, Z76, HSS	15 3/4"	35 3/4"	73 3/4"
	L71, S71, S77, Z71	16"	36"	74"
	Z73	16 1/4"	36 1/4"	74 1/4"
OM	N, HSB	14 1/16"	34 1/16"	72 1/16"
	L71, S71, S77	15 3/4"	35 3/4"	73 3/4"
	C71	18 1/2"	38 1/2"	76 1/2"
	C72	17 1/8"	37 1/8"	75 1/8"

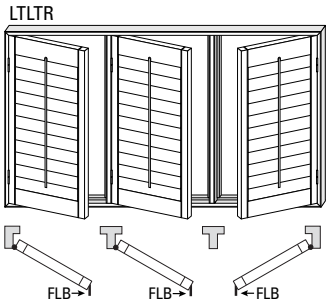
Three Panels — Bi-Fold

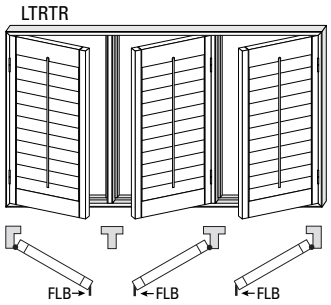




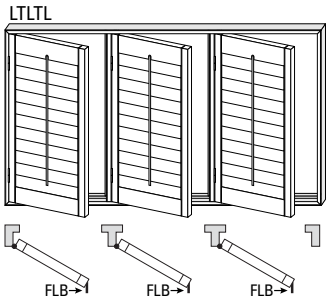
		Ordered Width		
Mount	**Frame**	**Minimum**	**SS Auto Minimum**	**Maximum**
IM	N, HSB	21 3/8"	51 3/8"	72 3/8"
	Z72	22 5/8"	52 5/8"	73 5/8"
	Z74, Z75, Z76, HSS	22 7/8"	52 7/8"	73 7/8"
	L71, S71, S77, Z71	23 1/8"	53 1/8"	74 1/8"
	Z73	23 3/8"	53 3/8"	74 3/8"
OM	N, HSB	21 3/16"	51 3/16"	72 3/16"
	L71, S71, S77	22 7/8"	52 7/8"	73 7/8"
	C71	25 5/8"	55 5/8"	76 5/8"
	C72	24 1/4"	54 1/4"	75 1/4"

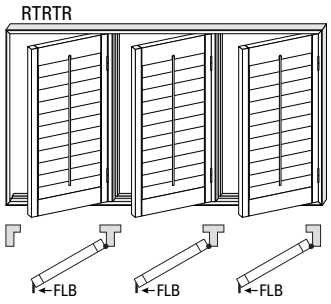
Three Panels — Individually Hinged





		Ordered Width		
Mount	**Frame**	**Minimum**	**SS Auto Minimum**	**Maximum**
IM	N, HSB	24 1/16"	54 1/16"	111 1/16"
	Z72	25 5/16"	55 5/16"	112 5/16"
	Z74, Z75, Z76, HSS	25 9/16"	55 9/16"	112 9/16"
	L71, S71, S77, Z71	25 13/16"	55 13/16"	112 13/16"
	Z73	26 1/16"	56 1/16"	113 1/16"
OM	N, HSB	23 7/8"	53 7/8"	110 7/8"
	L71, S71, S77	25 9/16"	55 9/16"	112 9/16"
	C71	28 5/16"	58 5/16"	115 5/16"
	C72	26 15/16"	56 15/16"	113 15/16"

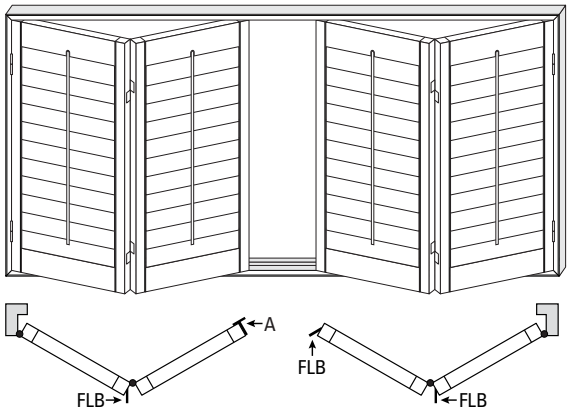




		Ordered Width		
Mount	**Frame**	**Minimum**	**SS Auto Minimum**	**Maximum**
IM	N, HSB	24 1/16"	54 1/16"	111 1/16"
	Z72	25 5/16"	55 5/16"	112 5/16"
	Z74, Z75, Z76, HSS	25 9/16"	55 9/16"	112 9/16"
	L71, S71, S77, Z71	25 13/16"	55 13/16"	112 13/16"
	Z73	26 1/16"	56 1/16"	113 1/16"
OM	N, HSB	23 7/8"	53 7/8"	110 7/8"
	L71, S71, S77	25 9/16"	55 9/16"	112 9/16"
	C71	28 5/16"	58 5/16"	115 5/16"
	C72	26 15/16"	56 15/16"	113 15/16"

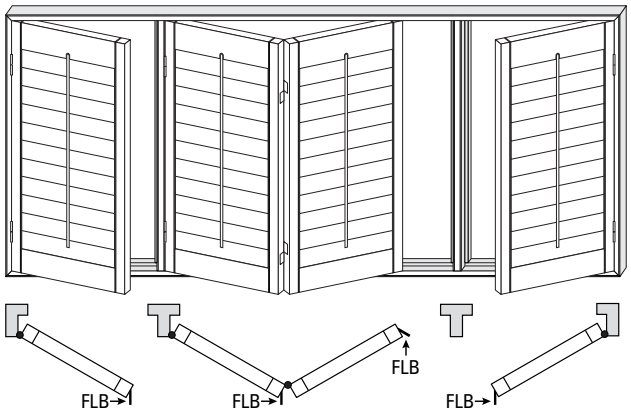
Four Panels — Bi-Fold

LLRR



		Ordered Width		
Mount	**Frame**	**Minimum**	**SS Auto Minimum**	**Maximum**
IM	N, HSB	28 3/8"	68 3/8"	96 3/8"
	Z72	29 5/8"	69 5/8"	97 5/8"
	Z74, Z75, Z76, HSS	29 7/8"	69 7/8"	97 7/8"
	L71, S71, S77, Z71	30 1/8"	70 1/8"	98 1/8"
	Z73	30 3/8"	70 3/8"	98 3/8"
OM	N, HSB	28 3/16"	68 3/16"	96 3/16"
	L71, S71, S77	29 7/8"	69 7/8"	97 7/8"
	C71	32 5/8"	72 5/8"	100 5/8"
	C72	31 1/4"	71 1/4"	99 1/4"

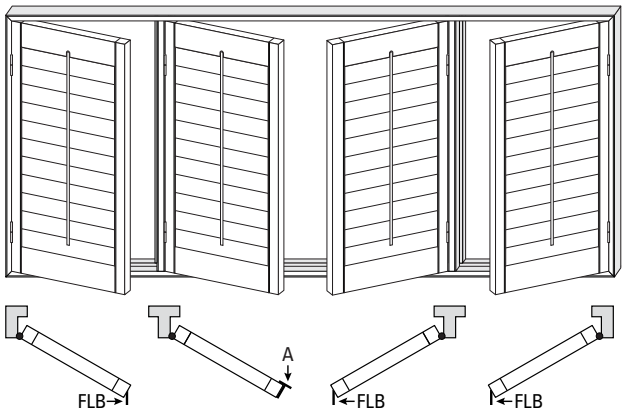
LTLLTR



		Ordered Width		
Mount	**Frame**	**Minimum**	**SS Auto Minimum**	**Maximum**
IM	N, HSB	31 3/16"	71 3/16"	99 3/16"
	Z72	32 7/16"	72 7/16"	100 7/16"
	Z74, Z75, Z76, HSS	32 11/16"	72 11/16"	100 11/16"
	L71, S71, S77, Z71	32 15/16"	72 15/16"	100 15/16"
	Z73	33 3/16"	73 3/16"	101 3/16"
OM	N, HSB	31"	71"	99"
	L71, S71, S77	32 11/16"	72 11/16"	100 11/16"
	C71	35 7/16"	75 7/16"	103 7/16"
	C72	34 1/16"	74 1/16"	102 1/16"

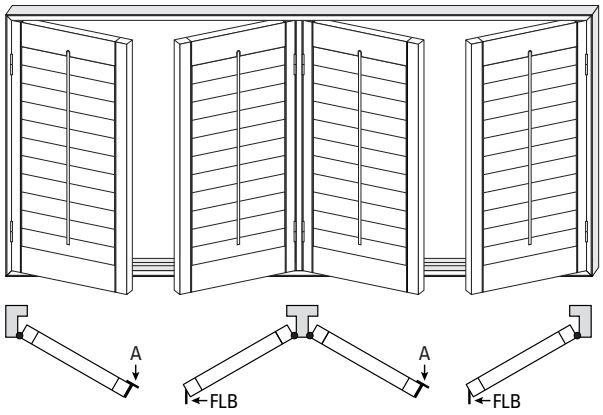
Four Panels — Individually Hinged

LTLRTR



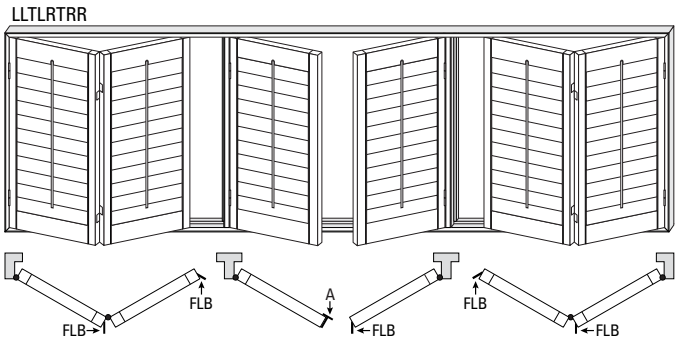
		Ordered Width		
Mount	**Frame**	**Minimum**	**SS Auto Minimum**	**Maximum**
IM	N, HSB	31 1/8"	71 1/8"	147 1/8"
	Z72	32 3/8"	72 3/8"	148 3/8"
	Z74, Z75, Z76, HSS	32 5/8"	72 5/8"	148 5/8"
	L71, S71, S77, Z71	32 7/8"	72 7/8"	148 7/8"
	Z73	33 1/8"	73 1/8"	149 1/8"
OM	N, HSB	30 15/16"	70 15/16"	146 15/16"
	L71, S71, S77	32 5/8"	72 5/8"	148 5/8"
	C71	35 3/8"	75 3/8"	151 3/8"
	C72	34"	74"	150"

LRTLR

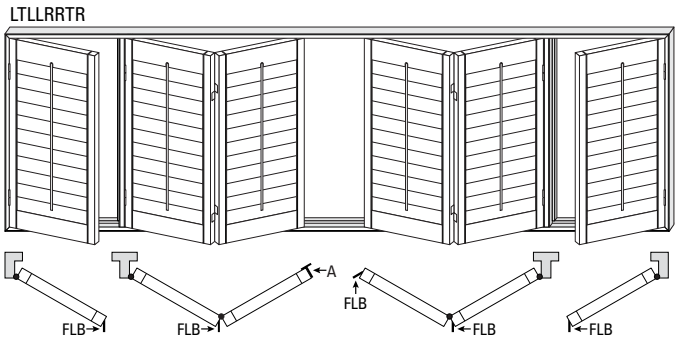


		Ordered Width		
Mount	**Frame**	**Minimum**	**SS Auto Minimum**	**Maximum**
IM	N, HSB	29 3/4"	69 3/4"	145 3/4"
	Z72	31"	71"	147"
	Z74, Z75, Z76, HSS	31 1/4"	71 1/4"	147 1/4"
	L71, S71, S77, Z71	31 1/2"	71 1/2"	147 1/2"
	Z73	31 3/4"	71 3/4"	147 3/4"
OM	N, HSB	29 9/16"	69 9/16"	145 9/16"
	L71, S71, S77	31 1/4"	71 1/4"	147 1/4"
	C71	34"	74"	150"
	C72	32 5/8"	72 5/8"	148 5/8"

Six Panels — Bi-Fold

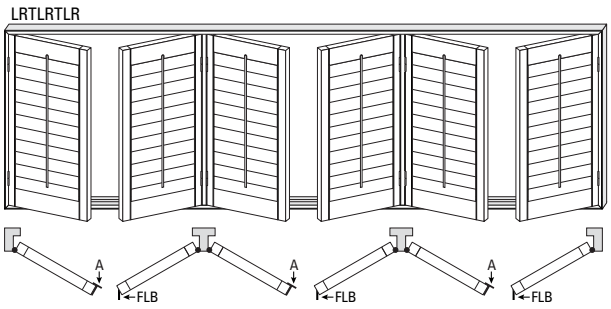


		Ordered Width		
Mount	**Frame**	**Minimum**	**SS Auto Minimum**	**Maximum**
IM	N, HSB	45 3/8"	105 7/16"	147 7/16"
	Z72	46 5/8"	106 11/16"	148 11/16"
	Z74, Z75, Z76, HSS	46 7/8"	106 15/16"	148 15/16"
	L71, S71, S77, Z71	47 1/8"	107 3/16"	149 3/16"
	Z73	47 3/8"	107 7/16"	149 7/16"
OM	N, HSB	45 1/4"	105 1/4"	147 1/4"
	L71, S71, S77	46 7/8"	106 15/16"	148 15/16"
	C71	49 5/8"	109 11/16"	151 11/16"
	C72	48 5/16"	108 5/16"	150 5/16"

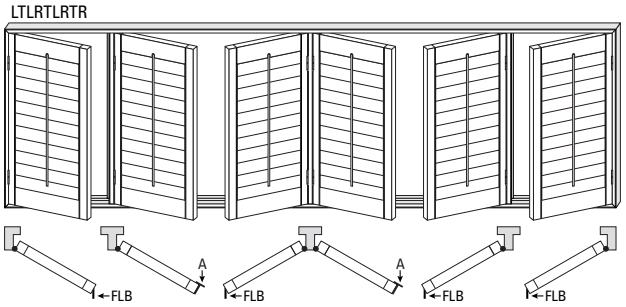


		Ordered Width		
Mount	**Frame**	**Minimum**	**SS Auto Minimum**	**Maximum**
IM	N, HSB	45 3/8"	105 7/16"	147 7/16"
	Z72	46 5/8"	106 11/16"	148 11/16"
	Z74, Z75, Z76, HSS	46 7/8"	106 15/16"	148 15/16"
	L71, S71, S77, Z71	47 1/8"	107 3/16"	149 3/16"
	Z73	47 3/8"	107 7/16"	149 7/16"
OM	N, HSB	45 1/4"	105 1/4"	147 1/4"
	L71, S71, S77	46 7/8"	106 15/16"	148 15/16"
	C71	49 5/8"	109 11/16"	151 11/16"
	C72	48 5/16"	108 5/16"	150 5/16"

Six Panels — Individually Hinged



		Ordered Width		
Mount	**Frame**	**Minimum**	**SS Auto Minimum**	**Maximum**
IM	N, HSB	45 1/4"	105 1/4"	219 1/4"
	Z72	46 1/2"	106 1/2"	220 1/2"
	Z74, Z75, Z76, HSS	46 3/4"	106 3/4"	220 3/4"
	L71, S71, S77, Z71	47"	107"	221"
	Z73	47 1/4"	107 1/4"	221 1/4"
OM	N, HSB	45 1/16"	105 1/16"	219 1/16"
	L71, S71, S77	46 3/4"	106 3/4"	220 3/4"
	C71	49 1/2"	109 1/2"	223 1/2"
	C72	48 1/8"	108 1/8"	222 1/8"



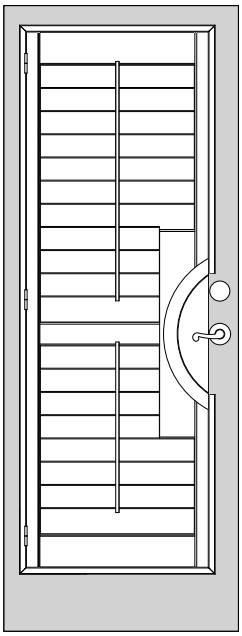
		Ordered Width		
Mount	**Frame**	**Minimum**	**SS Auto Minimum**	**Maximum**
IM	N, HSB	46 5/8"	106 5/8"	220 5/8"
	Z72	47 7/8"	107 7/8"	221 7/8"
	Z74, Z75, Z76, HSS	48 1/8"	108 1/8"	222 1/8"
	L71, S71, S77, Z71	48 3/8"	108 3/8"	222 3/8"
	Z73	48 5/8"	108 5/8"	222 5/8"
OM	N, HSB	46 7/16"	106 7/16"	220 7/16"
	L71, S71, S77	48 1/8"	108 1/8"	222 1/8"
	C71	50 7/8"	110 7/8"	224 7/8"
	C72	49 1/2"	109 1/2"	223 1/2"

Notes
- Other multiple panel arrangements are possible, including eight and ten panels. Consult Customer Service for details.

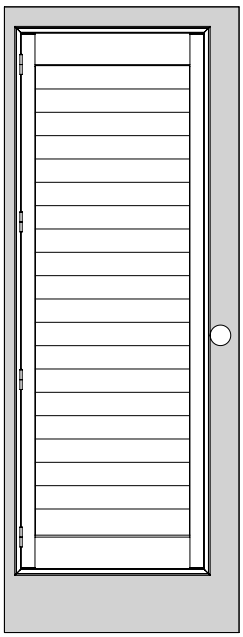
The Basics

Poly Shutters for French doors are always ordered as outside mounts (OM). They are single panel shutters hinged on the same side as the actual French door. Depending on the type of handle and door, there are several different frame options that can be specified, including doors with and without cut-outs. Shutters with cut-outs provide clearance for lever handles. Whichever frame option you choose, always check for sufficient clearance and possible obstructions.

French Door with Cut-Out



French Door with 4-sided L-Frame



Frame Options

L Frames

There are three frame options available for French door applications:

- Casing Sill/Decorative L-Frame (S71)
- Standard Casing Sill/Designer L-Frame (S72)
- L-Frame (L71)

Frame Type	Options
Casing Sill/Decorative L-Frame	SH
Standard Casing Sill/Designer L-Frame	SH
L-Frame	SH, FDC

Build-Out

Build-out is available for French doors in 1/2" increments.

Frames with Full Louver Clearance

For details, see Standard Hinged Panels**.

Louver Size	2 1/2"	3 1/2"	4 1/2"
0 Build-Out	F	—	—
1 Build-Out	F or C	F or C	—
2 Build-Outs	F or C	F or C	F or C
3 Build-Outs	F or C	F or C	F or C
4 Build-Outs	F or C	F or C	F or C

Notes

- F = Front Tilt; C = Concealed Tilt.

Measuring and Ordering

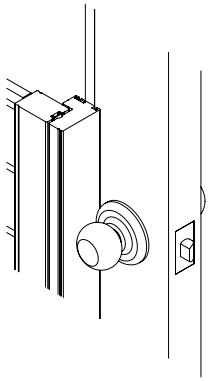
Measuring instructions for frame options are shown on the following pages. Use the measuring guidelines with the specific Poly Shutters shutters worksheets.

When ordering, use the following codes for frame type:

- L71: L-Frame
- S71: Casing Sill/Decorative L-Frame
- S77: Standard Casing Sill/Designer L-Frame

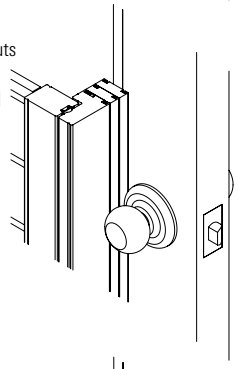
L-Frame

Order:
SH with L71



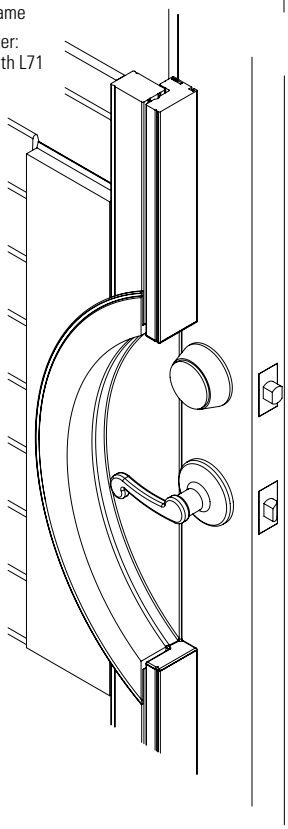
L-Frame
with Two Build-Outs

Order:
SH with L71 and
2 Build-Outs



Available with
Cut-Out
L-Frame

Order:
FDC with L71



Cut-Outs

French door cut-outs are designed to fit a variety of handle and lock configurations. A 1/8" thick back plate covers the cut-out area, and sits against the door.
French door cut-out shutters will be built to ordered width and height.

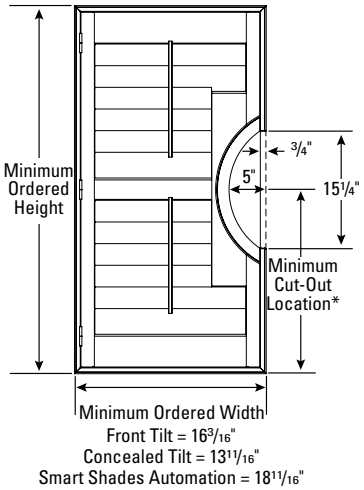
Surcharges

Add the appropriate French door cut-out surcharge to the base price of the framed shutter.

French Door Cut-Out Details

The backplate of the cut-out is now part of the frame, enabling the panel to swing open for access to interior door glass.

5" Curved French Door Cut-Out



Measured from bottom of frame to center of cut-out

Louver Size	Minimum Ordered Height	Minimum Cut-Out Location
2 1/2"	35 1/2"	17 3/4"
3 1/2"	37 1/2"	18 3/4"
4 1/2"	39 1/2"	19 3/4"

Notes

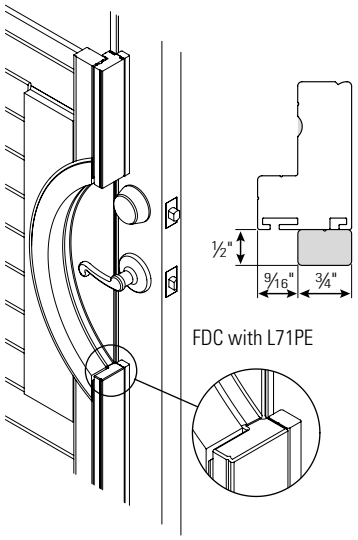
- Minimum ordered height leaves one louver between the cut-out block and rails.
- Some ordered height and cut-out height combinations may not be possible due to rail height variations.

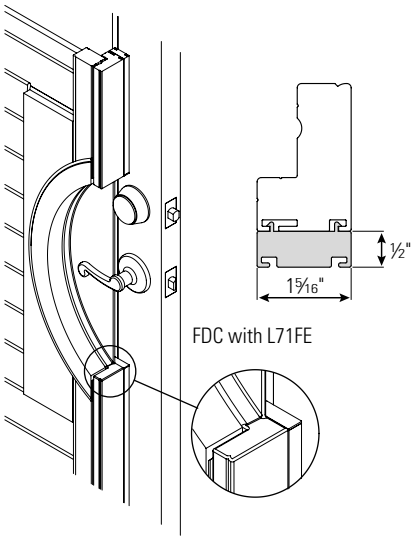
Cut-Out Offset

Poly Shutters French door cut-outs are offset 3/4" to allow sufficient mounting surface between the door handle/hardware and the glass. See illustration above.

Trim Extensions

The frame can be extended to fit on the projecting trim that surrounds some glass openings. There are two types of trim extensions, full and partial. Trim extensions can be ordered per side — top, left, right, and bottom.



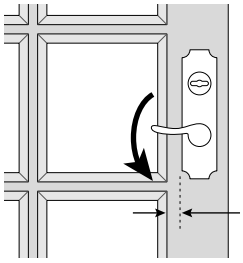


Measuring for Cut-Outs

Use the French Door Cut-Out worksheet and template to perform the required calculations. Transfer the indicated results to the Poly Shutters Specialty order form and attach the worksheet to the order form.

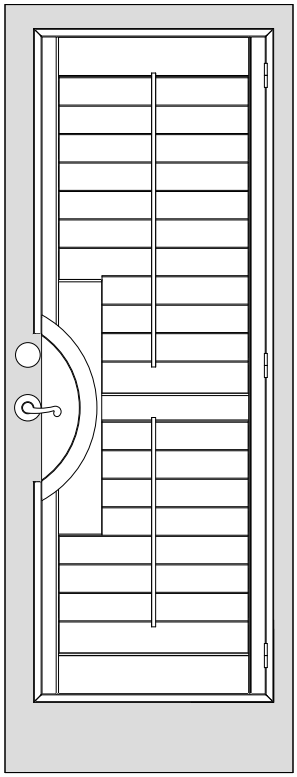
Mounting Surface

Align the French door cut-out template to the base of the door handle or plate and position the template in the desired location. Confirm proper handle rotation. The handle lever must rotate within the cut-out area. There should be at least 3/4" of flat mounting surface so that the entire base of the frame is on the flat mounting surface. This way, the frame base is not visible from the other side of the French door.



Hinge Side vs. Cut-Out Side

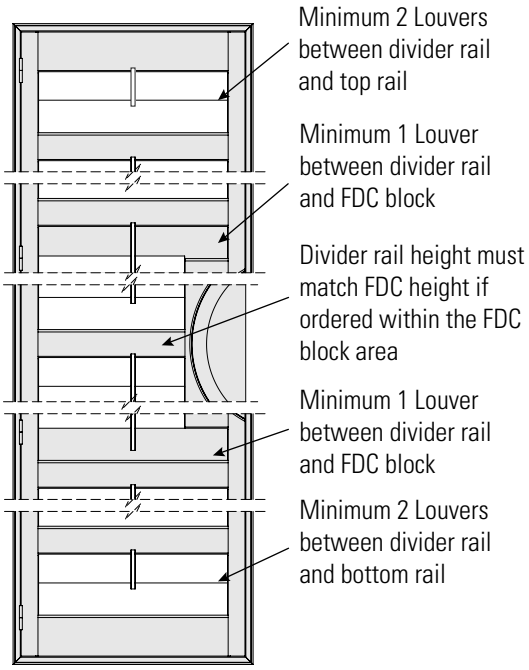
Order an "L" (left-hinged) panel for a right cut-out or an "R" (right-hinged) panel for a left cut-out (shown).



Divider Rail

Divider rails are optional (except on French door cut-outs with Smart Shades automation where they are required on panels greater than 66" in height), and are available either at the ordered cut-out height, or above or below the cut-out block. See the illustration below for available divider rail locations. French door cut-outs with Smart Shades automation require one divider rail for panels greater than 66" in height.
Split tilt bars are optional, providing increased operational flexibility.

Valid Divider Rail Locations



The Basics

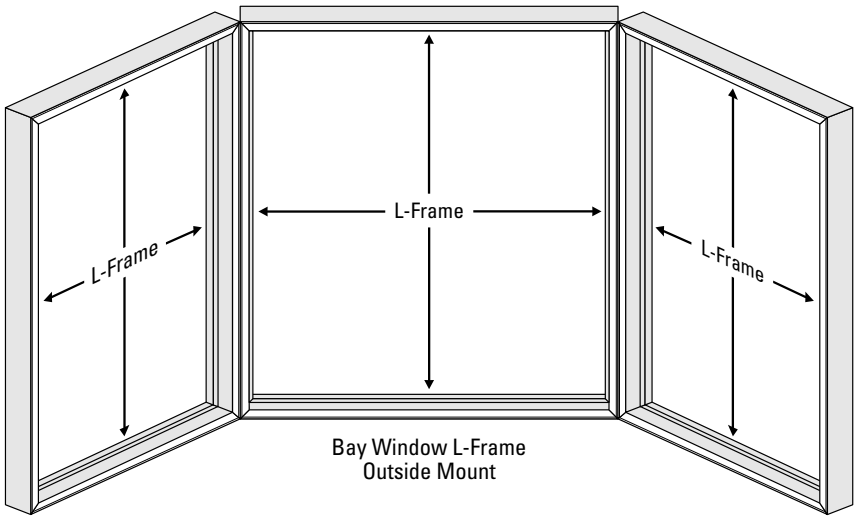
Poly Shutters for bay windows consist of three or more separate framed shutter assemblies which butt together at their front corners. Each of the separate framed assemblies is priced and ordered as an individual unit.

Frame Options

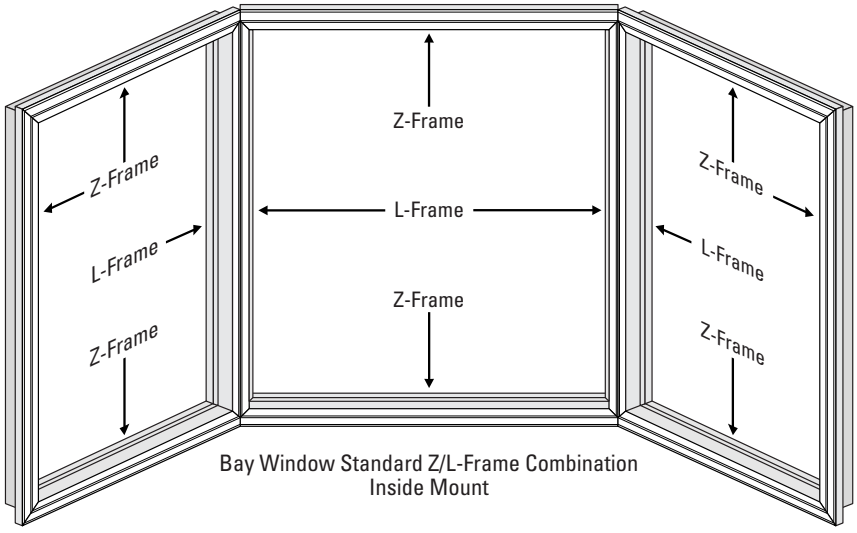
Eight frame types are used for bay windows:

- L-Frame (L71)
- Standard Z-Frame (Z71)
- Designer Z-Frame (Z72)
- Colonial Z-Frame (Z73)
- Traditional Z-Frame (Z74)
- Deluxe Z-Frame (Z75)
- Bullnose Z-Frame (Z76)
- Casing Frame (C71)
- Standard Casing Frame (C72)
- Casing Sill/Decorative L-Frame (S71)
- Standard Casing Sill/Designer L-Frame (S72)

The L-Frame, Casing Sill/Decorative L-Frame, and Casing Frame are used for outside mounts, and Z-Frames in combination with Standard L-Frames are used for inside mounts.



Bay Window L-Frame
Outside Mount



Bay Window Standard Z/L-Frame Combination
Inside Mount

Suggested Frame Combinations for Bay Windows

Frame Type	Options
L-Frame	L-Frame
Standard Z-Frame	L-Frame
Designer Z-Frame	Designer/Traditional Z-Sill Frame
Colonial Z-Frame	L-Frame
Traditional Z-Frame	Designer/Traditional Z-Sill Frame
Deluxe Z-Frame	L-Frame
Bullnose Z-Frame	Bullnose Z-Sill Frame
Casing Frame	Casing Sill/Decorative L-Frame
Standard Casing Frame	Standard Casing Sill/Designer L-Frame
Casing Sill/ Decorative L-Frame	Casing Sill/ Decorative L-Frame
Standard Casing Sill/Designer L-Frame	Standard Casing Sill/Designer L-Frame

Notes

- Examples of inside and outside mount applications.

Panel Configurations

Any standard hinged panel configuration — whether Bi-Fold or individually hinged — may be ordered for bay windows. However, it is very important to plan how the shutters will open after they are installed, taking into consideration how the panels interact with each other, as well as maintaining comparable panel widths.

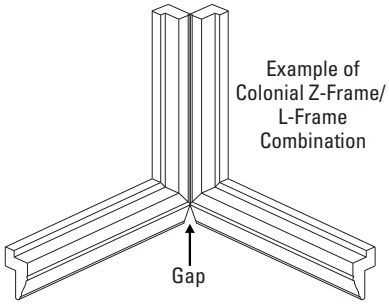
Measuring and Ordering

Measuring instructions are shown on the following page. A special angle guide measuring tool enables you to measure and order without using templates.

There is one worksheet for bay windows —for both inside and outside mounts. For each order, complete the worksheet, transfer the information to the standard Poly Shutters order form and attach a copy of the worksheet to the order form.

Sill Frames

If desired, a Sill Frame can be specified at the top and/or bottom of the opening. Use the frame detail code on the order form when ordering.



Example of
Colonial Z-Frame/
L-Frame
Combination

Notes

- Colonial Z/L combinations, Traditional Z/L and Casing with Decorative L-Frame are not recommended with bay window applications These frame profiles create a gap at the corner where the frame assemblies meet.

Measuring

Measuring for Bay Window Outside Mounts (OM)

L-Frame (L71)

Refer to the Bay Window worksheet and follow the steps below. Enter all measurements on the worksheet. Then perform the required calculations, transfer the results to the standard Poly Shutters order form and attach the worksheet.

Step One

Using the appropriate angle guide measuring tool, locate the L-Frame portion at the appropriate position left of opening 1 and allow for a 3/8" reveal. Mark **A**. Repeat this step for **F**.

Step Two

Using the angle guide measuring tool, determine and mark positions **B** and **C**. Repeat this step for **D** and **E**.

Step Three

- Measure the distance from mark **A** to mark **B** (opening 1).
- Repeat for **C** to **D** (opening 2) and **E** to **F** (opening 3).
- Enter these width measurements on the worksheet.

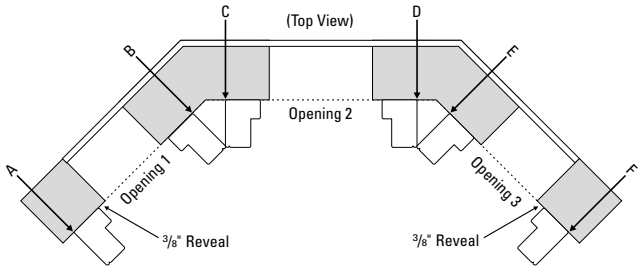
Step Four

Measure the inside height in three places for each opening. Use the **largest** height measurement for all three shutters and add the following:

- Add 3 3/8" for four-sided L-Frame or Casing Sill/Decorative L-Frame.
- Add 3 3/8" for four-sided frame with bottom sill, not on existing window sill.
- Add 1 11/16" if bottom Sill Frame is on window sill.

Step Five

Transfer the information from the worksheet to the standard Poly Shutters order form and indicate in the "Notes" section that the shutters are for a bay window. Attach the worksheet to the order form.



Measuring for Bay Window Inside Mounts (IM)

Standard Z-Frame (Z71) with L-Frame (L71)

Refer to the Bay Window worksheet and follow the steps below. Enter all measurements on the worksheet. Then perform the required calculations, transfer the results to the standard Poly Shutters order form and attach the worksheet.

Step One

Using the appropriate angle guide measuring tool, locate the L-Frame portion at the left corner of the bay, and mark positions **B** and **C**. Repeat this step for **D** and **E**.

Step Two

Measure inside opening 1 from the wall at **A** to the mark at **B**. This provides a 1/4" space to **A**.

Step Three

Measure inside opening 2 from the mark at **C** to the mark at **D**. Add 1/4" to determine ordered width.

Step Four

Measure inside opening 3 from the mark at **E** to the wall at **F**. This provides a 1/4" space at **F**.

Step Five

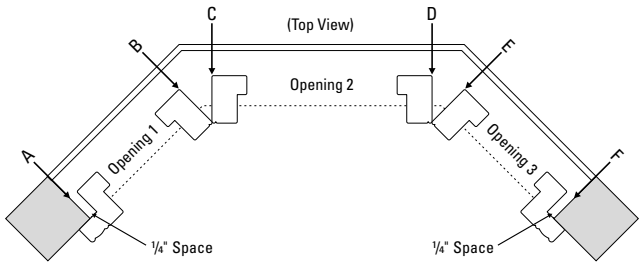
Measure the inside height in three places for each opening. Use the **smallest** inside height and subtract 1/4" to determine your ordered height for all three openings to allow for vertical racking adjustment.

Step Six

Transfer the information from the Bay Window worksheet to the standard Poly Shutters order form and indicate in the "Notes" section that the shutters are for a bay window. Attach the worksheet to the order form.

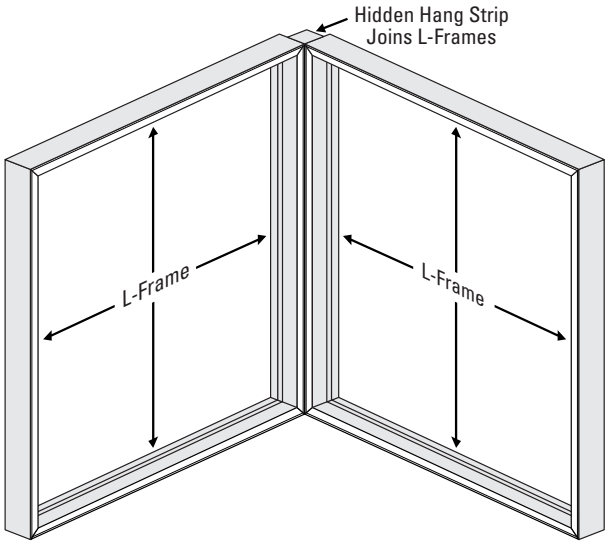
Notes

- These measuring procedures provide a 3/8" reveal on the width.



The Basics

Poly Shutters for corner windows consist of two separate framed shutter assemblies which butt together at their front corners. A hidden Hang Strip is used to connect the two assemblies where they meet, and should be ordered as lineal material. Each of the separate framed assemblies are priced and ordered as individual units.



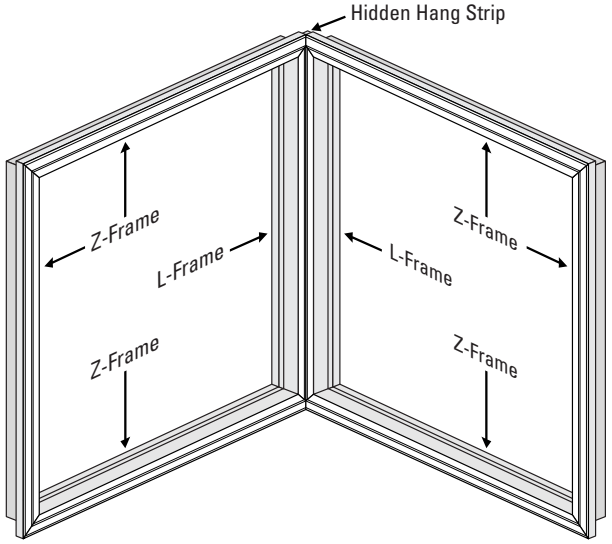
Corner Window
L-Frame
Outside Mount

Frame Options

Eight frame types are used for corner windows:

- L-Frame (L71)
- Standard Z-Frame (Z71)
- Designer Z-Frame (Z72)
- Colonial Z-Frame (Z73)
- Traditional Z-Frame (Z74)
- Deluxe Z-Frame (Z75)
- Bullnose Z-Frame (Z76)
- Casing Frame (C71)
- Standard Casing Frame (C72)
- Casing Sill/Decorative L-Frame (S71)
- Standard Casing Sill/Designer L-Frame (S72)

The L-Frame, Casing Sill/Decorative L-Frame, and Casing Frame are used for outside mounts, and Z-Frames in combination with L-Frames are used for inside mounts.



Corner Window
Standard Z/L-Frame
Combination
Inside Mount

Suggested Frame Combinations for Corner Windows

Frame Type	Options
L-Frame	L-Frame
Standard Z-Frame	L-Frame
Designer Z-Frame	Designer/Traditional Z-Sill Frame
Colonial Z-Frame	L-Frame
Traditional Z-Frame	Designer/Traditional Z-Sill Frame
Deluxe Z-Frame	L-Frame
Bullnose Z-Frame	Bullnose Z-Sill Frame
Casing Frame	Casing Sill/Decorative L-Frame
Standard Casing Frame	Standard Casing Sill/Designer L-Frame
Casing Sill/ Decorative L-Frame	Casing Sill/Decorative L-Frame
Standard Casing Sill/ Designer L-Frame	Standard Casing Sill/Designer L-Frame

Notes

- Examples of inside and outside mount applications.

Panel Configurations

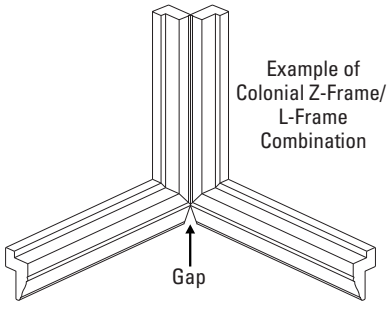
Any standard hinged panel configuration — whether Bi-Fold or individually hinged — may be ordered for corner windows. However, it is very important to plan how the installed shutters will open.
For example, most customers would not want two "LR" configurations. Opening the shutter panels in the corner would conflict with each other. It would be better to order the shutters as single panels or bi-folds hinged to the outer side of the frame.

Measuring and Ordering

Measuring instructions are shown on the following page.
There is one worksheet for corner windows — for both inside and outside mounts. For each order, complete the worksheet, transfer the information to the standard Poly Shutters order form and attach a copy of the worksheet to the order form.

Sill Frames

If desired, a Sill Frame can be specified at the top and/or bottom of the opening. Use the frame detail on the order form when ordering.



Notes

- Colonial Z/L combinations, Traditional Z/L and Casing with Decorative L-Frame are not recommended with corner window applications. These frame profiles create a gap at the corner where the frame assemblies meet.

Measuring

Measuring for Corner Window Outside Mounts (OM)

L-Frame (L71)

Refer to the Corner Window worksheet and follow the steps below. Enter all measurements on the worksheet. Then perform the required calculations, transfer the results to the standard Poly Shutters order form and attach the worksheet.

Step One

Place the L-Frame (L71) at the appropriate position left of opening 1 and allow for a $^{3}/_{8}$" reveal. Mark **A**. Repeat this step at **D**.

Step Two

Locate and mark positions **B** and **C** (same point).

Step Three

- Measure the distance from mark **A** to mark **B** and subtract $2^{1}/_{16}$" (opening 1).
- Repeat for **C** to **D** and subtract $2^{1}/_{16}$" (opening 2).
- Enter these width measurements on the worksheet.

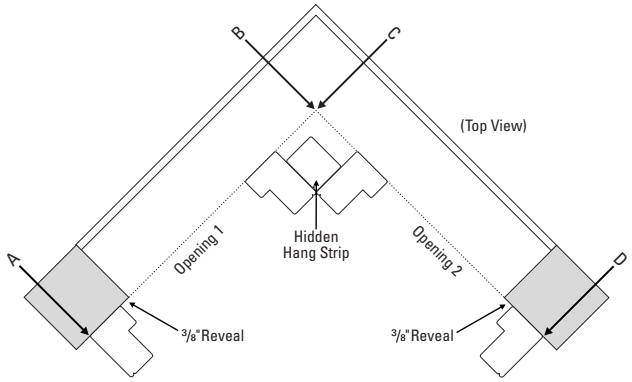
Step Four

Measure the inside height in three places for each opening. Use the **largest** height measurement for **both shutters** and add the following:

- Add $3^{3}/_{8}$" for four-sided Casing Sill/Decorative L-Frame and L-Frame.
- Add $3^{3}/_{8}$" for four-sided frame with bottom sill, not on existing window sill.
- Add $1^{11}/_{16}$" if bottom Sill Frame is on window sill.

Step Five

Transfer the information from the worksheet to the standard Poly Shutters order form and indicate in the "Notes" section that the shutters are for a corner window. Attach the worksheet to the order form.



Measuring for Corner Window Inside Mounts (IM)

Standard Z-Frame (Z71) with L-Frame (L71)

Refer to the Corner Window worksheet and follow the steps below. Enter all measurements on the worksheet. Then perform the required calculations, transfer the results to the standard Poly Shutters order form and attach the worksheet.

Step One

Locate and mark positions **B** and **C** (same point).

Step Two

Measure inside opening 1 from the wall at **A** to the mark at **B** and subtract $^{3}/_{4}$". This provides a $^{1}/_{4}$" space to **A**.

Step Three

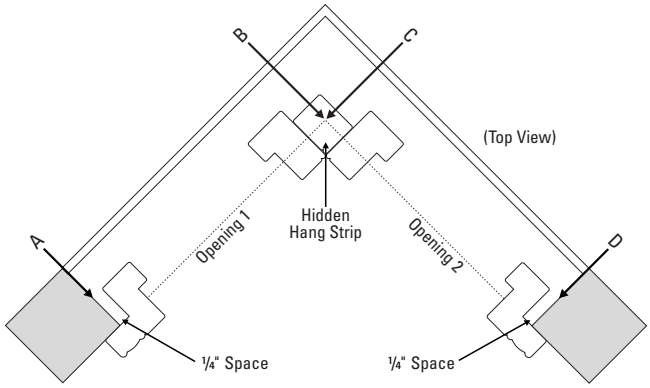
Measure inside opening 2 from the mark at **C** to the wall at **D** and subtract $^{3}/_{4}$". This provides a $^{1}/_{4}$" space to **D**.

Step Four

Measure the inside height in three places for each opening. Use the **smallest** inside height and subtract $^{1}/_{4}$" to determine your ordered height for both openings to allow for vertical racking adjustment.

Step Five

Transfer the information from the Corner Window worksheet to the standard Poly Shutters order form and indicate in the "Notes" section that the shutters are for a corner window. Attach the worksheet to the order form.



Notes

- These measuring procedures provide a $^{3}/_{8}$" reveal on the width. After evaluating the diagonals, additional allowances may be necessary to compensate for out-of-square windows.
- For corner window applications, be sure to order 1" Hang Strip as lineal material. Order the Hang Strip to be $^{1}/_{16}$" shorter than the ordered height.

Café Shutters (CS)

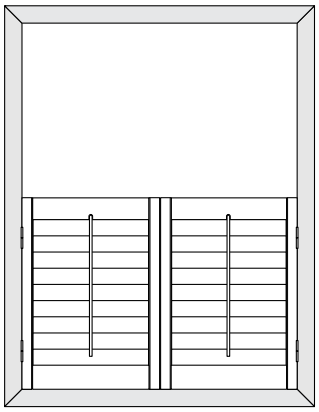
- May be inside (IM) or outside mount (OM).
- Price the shutter using your ordered width and café height, and add the appropriate surcharge (see Pricing – Surcharges & Accessories∞). The surcharge is for the extra frame being used to cover the entire opening.
- You may also order a three-sided frame, with the top of the frame sides flush with the top of the shutter panels.

Notes

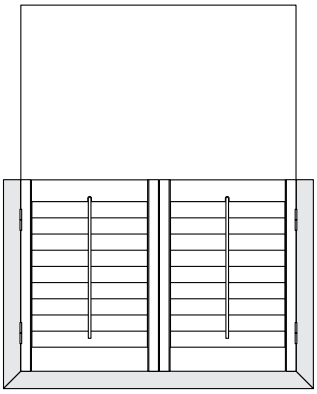
- Vertical T-Posts are not recommended with three-sided or café applications due to possible lack of a stable mounting surface.

If café shutters are desired, it is important to order them as café, not as a standard hinged shutter with a 3-sided frame.

Café Style	Standard Hinged with 3-Sided Frame
Frame end caps are provided to finish the tops of the side frames	Frame end caps are not provided; tops of side frames will be open
Top of panel is flush with top of side frame	Top of panel is lower than top of side frame due to standard panel deductions
On IM shutters, no height deduction is taken on the side frames	On IM shutters, a 1/8" deduction will be taken on the side frames



Full Frame

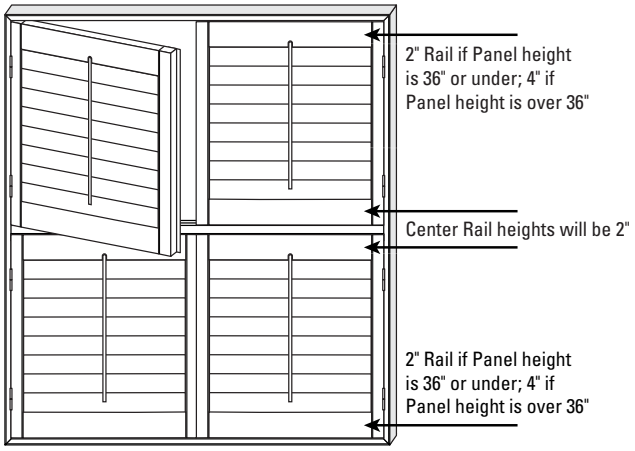


Three-Sided Frame

Double-Hung Shutters (DH)

A Double-Hung shutter consists of two panels or groups of panels which are mounted separately, one above the other, and can swing open separately. There is a surcharge with this option (see Pricing – Surcharges & Accessories∞).

There will be a 1/8" gap between the top and bottom panels. A horizontal T-Post is recommended to stabilize panels and to block light. There may be variation in the horizontal T-Post position to keep the top and bottom rails of the panels equal size. A horizontal T-Post cannot be specified with Hang Strip applications.

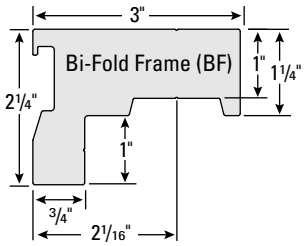


Double-Hung

Notes

- Double-Hung shutters are not recommended when the single and combined panel width is greater than the height — panel sagging will occur.
- For Double-Hung shutters with Smart Shades automation:
  - Motors will be located in the top rail for the top panels, and in the bottom rail for the bottom panels.
  - Divider rails are not available.

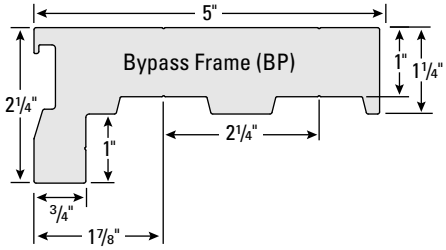
Bi-Fold Track Frame (BF)



The Bi-Fold Track Frame uses a single track on which hinged panels glide to open and close.

- Mounting type: inside or outside mount.
- Pre-drilled installation holes.
- Track Frame Build-Out is available for louver clearance.
- Corner key is not used with this frame.

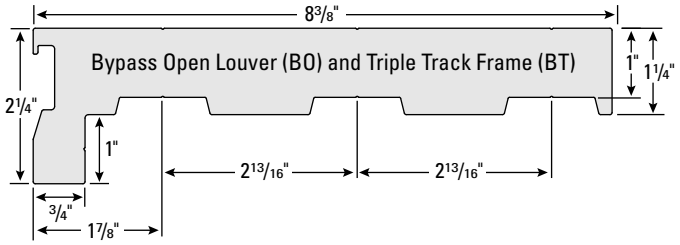
Bypass Track Frame (BP)



The Bypass Track Frame uses two tracks where panels can slide past each other with louvers in the closed position.

- Mounting type: inside or outside mount.
- Pre-drilled installation holes.
- Track Frame Build-Out is available for louver clearance.
- Corner key is not used with this frame.

Bypass Open Louver (BO) And Bypass Triple Track (BT) Frame

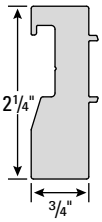


The Bypass Open Louver Track Frame uses two tracks where the panels can slide past each other with louvers in the open position. The Bypass Triple Track Frame uses three tracks, where panels can slide past each other with louvers in the closed position.

- Mounting type: inside or outside mount.
- Pre-drilled installation holes.
- Track Frame Build-Out is not recommended.
- Corner key is not used with this frame.

Build-Out

The Track Frame Build-Out adds projection to the Bypass Track Frame or Bi-Fold Track Frame in 3/4" increments.



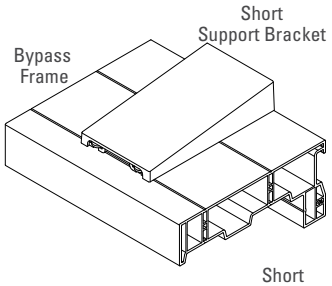
Track Frame Build-Out (TFBO)

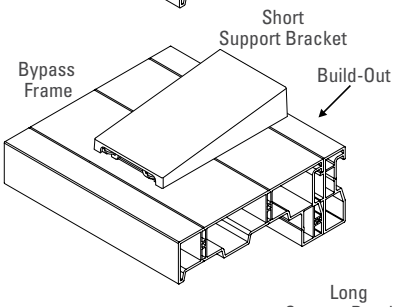
Divider Rails

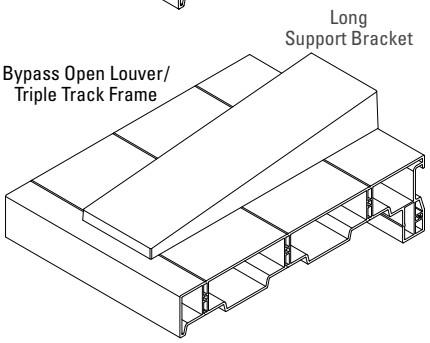
A divider rail is required on track system applications when panels exceed 66" in height. Two divider rails are required on panels greater than 96" in height.

Bypass Support Brackets

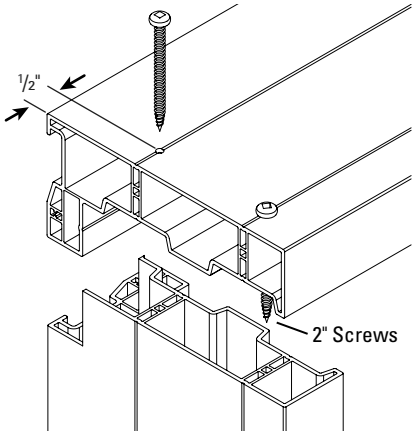
- All Bypass configurations will include support brackets. Installation of these brackets is critical for the lifetime operation of your shutters. Note that 1 1/2" of clearance is required above the frame for the bracket.
- In order to install the frame assembly, there must be enough clearance above the frame to get a tool in to attach it.







Track Frame Assembly



Notes

- Frames and valances greater than 180" in width or height may require splicing.

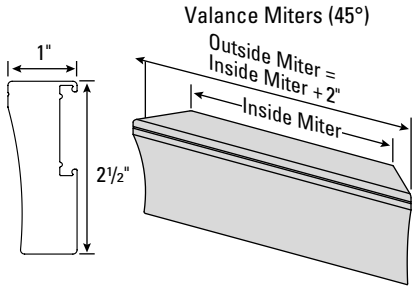
Valances

- Select standard or decorative valance for track configurations.
- Adjustable, spring-loaded valance clips are provided to attach the valance.
- Frames are pre-drilled for valance clip installation when a valance is ordered.

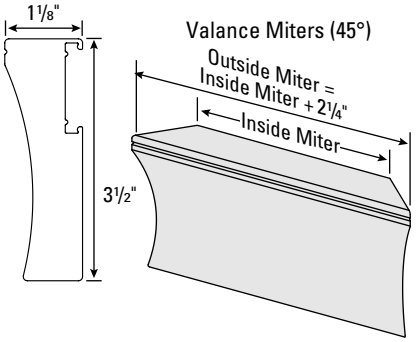
Notes

- Frames and valances greater than 180" in width or height may require splicing.

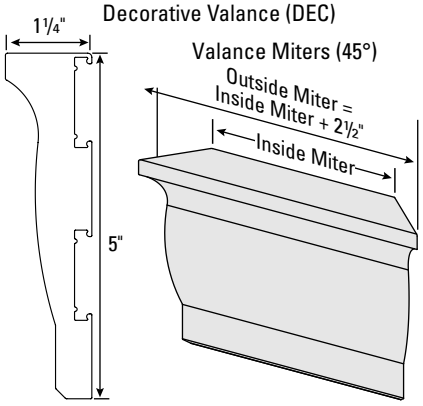
Bi-Fold Standard Valance (BFSV)

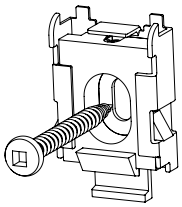


Bypass Standard Valance (BPSV)



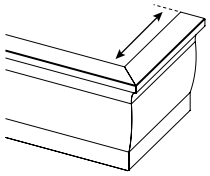
Decorative Valance (DEC)





Valance Returns

- If returns are desired for an inside mount, specify length when ordering (1" minimum). Note the return length in Special Instructions.
- When specifying return length, add ⅛" to allow for the additional depth of the valance clips.
- If mounting on moldings, longer return lengths than standard can be ordered.



Standard Valance Return Lengths			
	No Build-Out	**1 Build-Out**	**2 Build-Outs**
BF	3⅛"	3⅞"	4⅝"
BP	5⅛"	5⅞"	6⅝"
BO/BT	8½"	9¼"	10"

Notes

- Includes ⅛" for valance clip.

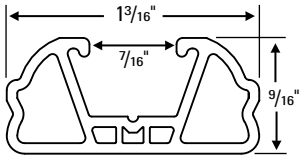
Bottom Tracks/Floor Guides

Bottom tracks and floor guides are recommended for track configurations to improve panel functionality and performance.
One option is available for Bi-Fold configurations, and four options are available for Bypass configurations.

Bi-Fold Option

Optional bottom tracks are available for Bi-Fold and Bypass track configurations. Bottom tracks must be specified at the time of ordering regardless of frame configuration so that the factory can take an additional 1/2" deduction to allow for the height of the track. Bottom tracks run the full width of the opening.

- The Bi-Fold Bottom Track option must be specified at the time of ordering.



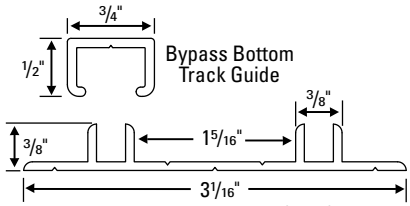
Bi-Fold Bottom Track (BFB)

Notes

- When ordering a track configuration with a Bi-Fold Bottom Track, the factory takes an additional 9/16" panel deduction to allow for the height of the bottom track.

Bypass Options

1. The Bypass Bottom Track has two parts, the Bottom Track and the Bottom Track Guide. The Bottom Track Guide comes attached to the bottom of the panels. The Bottom Track comes as the full inside width of the frame. It is scored so that it may be separated to accommodate different panel configurations. See Bypass Track Configuration Details with Floor Guide Options℠ for examples.

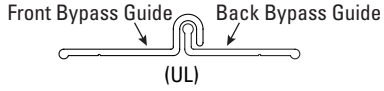


Bypass Bottom Track (BPB)

Notes

- When ordering a track configuration with a Bypass Bottom Track, the factory takes an additional 11/16" panel deduction to allow for the height of the bottom track.

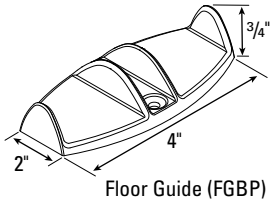
2. An optional Hidden Panel Bypass Guide can be ordered when noted on the order form. This guide eliminates the need for a floor attachment.



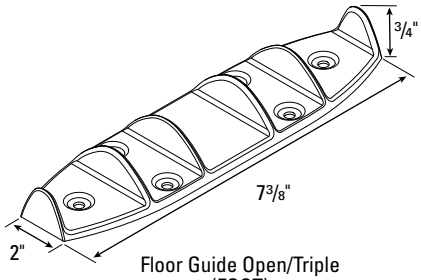
Notes

- When ordering a track configuration with a Hidden Panel Bypass Guide, the factory takes a 1/2" panel deduction to allow the panels to clear the floor.

3. An optional molded piece that is attached to the floor can be ordered for Bypass configurations.



Floor Guide (FGBP)



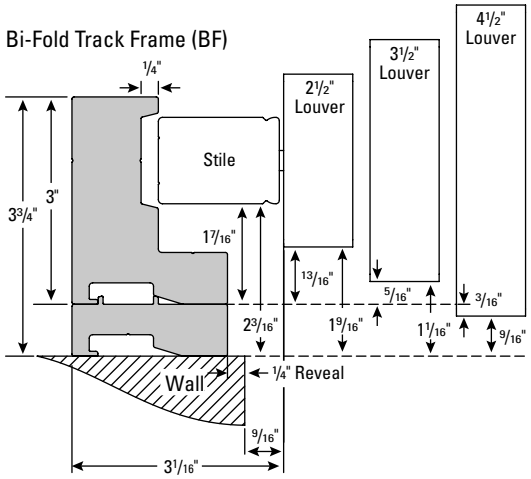
Floor Guide Open/Triple (FGOT)

Notes

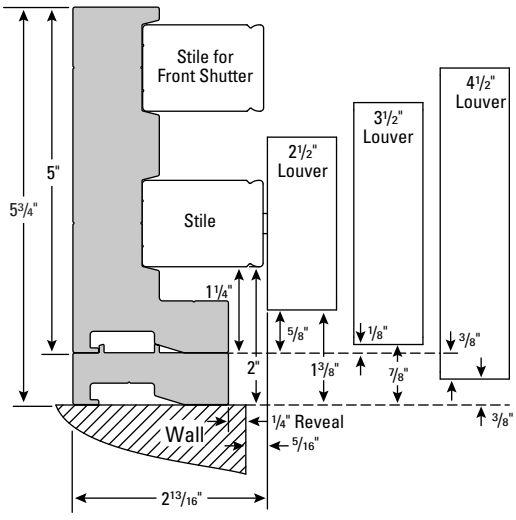
- When ordering a track configuration with a Floor Guide or Floor Guide Open/Triple, the factory takes an additional 1/2" panel deduction to allow for the height of the floor guide.

Track Louver Clearances

Bi-Fold Track Frame (BF)

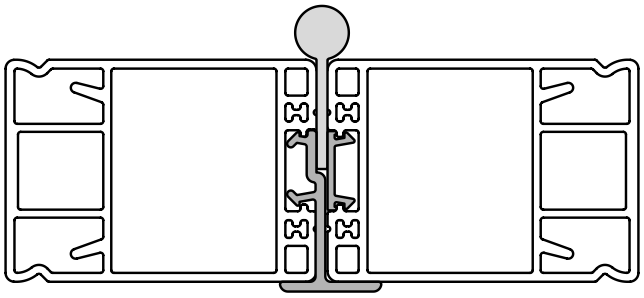


Bypass Track Frame (BP)



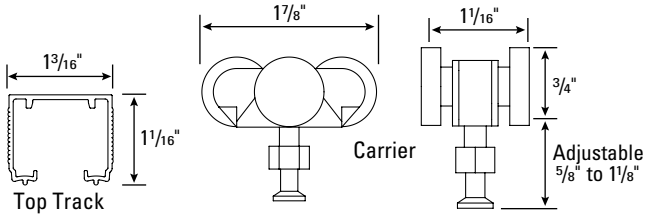
Married Bypass Track Panels

If a Bypass Track configuration has two or more adjacent panels on a track, they may be married together so that they move as a single unit within the opening. Hinges are applied to the rear of the panels where the stiles meet to connect the panels as shown below. See Bypass Track Configurations℠ for examples of configurations with married panels.



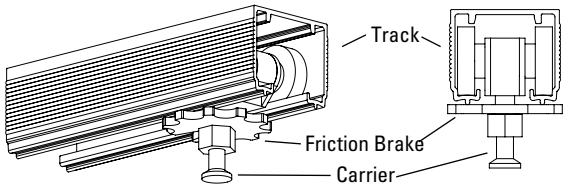
Top Track and Carrier Dimensions

Shown here are the dimensions of the top track and carriers.



Friction Brake

In certain track installations, the panels may drift due to out-of-square window openings or settling of the home. The friction brake may be installed on one or more track system carriers to provide slight resistance and prevent panel drift.

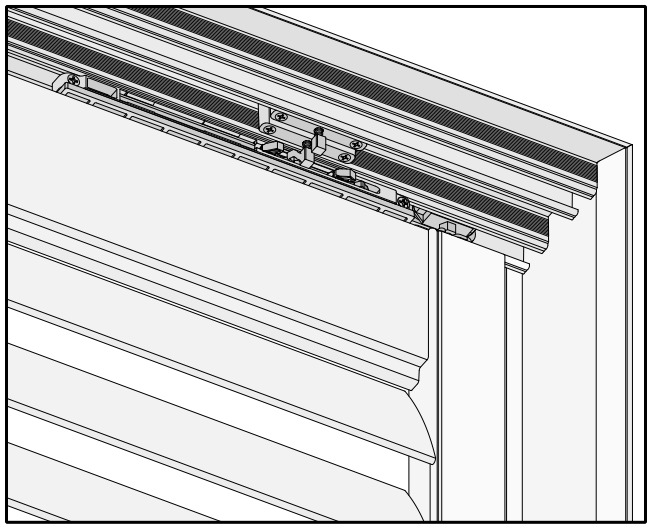


Notes

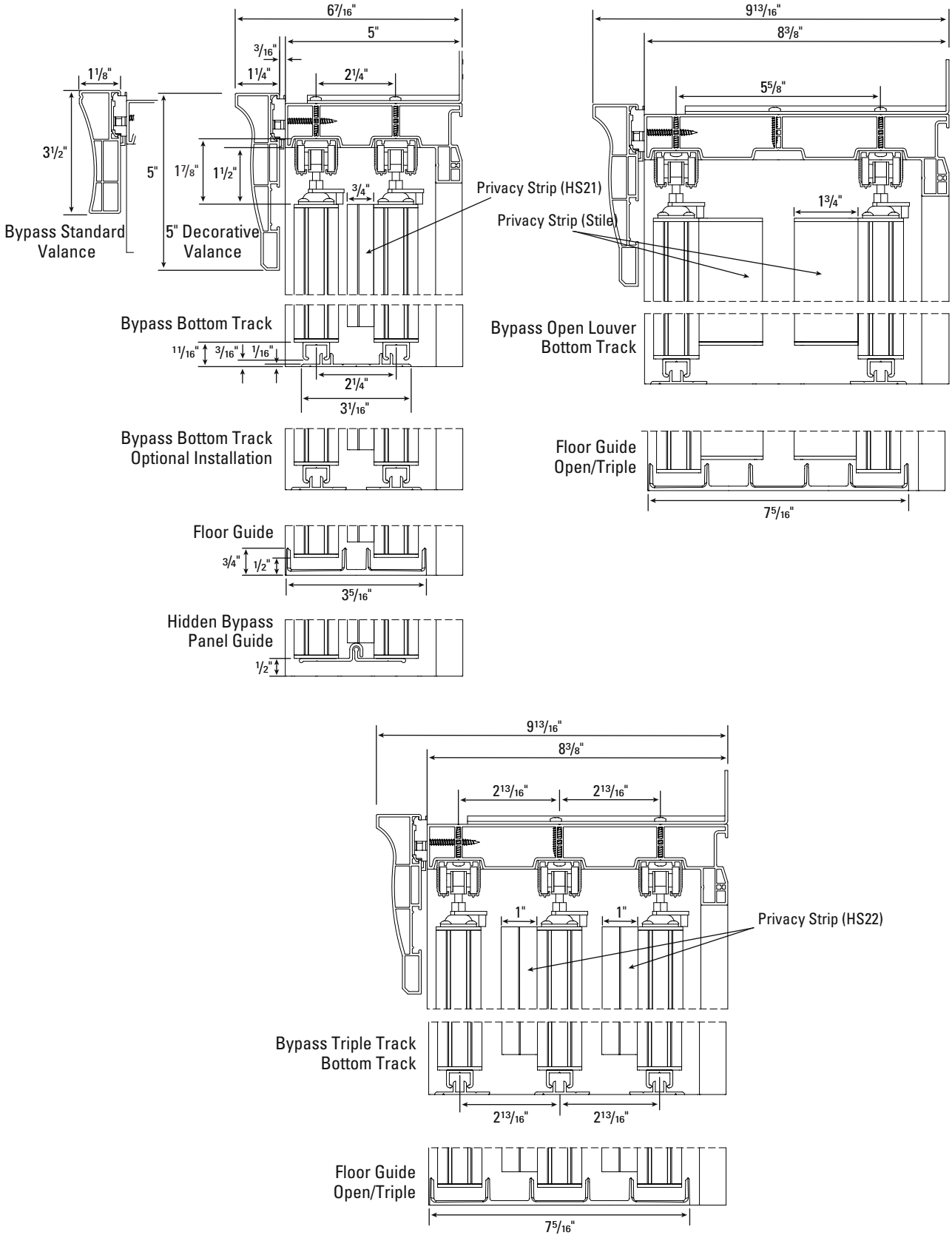
- A minimum depth of 2 1/2" is required to inside mount either the Bi-Fold or Bypass Frame.
- For Front Tilt and Concealed Tilt, allow an additional 1/4" for louver clearance from the back edge of the louvers.
- Always check for obstructions.
- 3/4" Hang Strips (HS21) are sent as privacy strips for Bypass Track systems; 1" Hang Strips (HS22) are sent as privacy strips for Bypass Triple Track systems.
- Stiles are sent as privacy strips for Bypass Open Louver Track systems.

Controlled Close for Bypass

Controlled Close for Bypass is a mechanism for opening/closing bypass panels and will come standard on all bypass track systems. There are no measurement or deductions impacts when ordering. The Controlled Close for Bypass components will come pre-installed and may require slight adjustment at installation. During installation, panel placement will be important to ensure engagement of the Controlled Close components. Panel configuration will need to be selected with care.



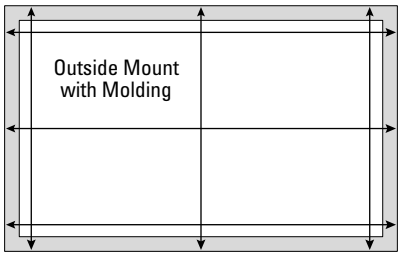
Bypass Track Configuration Details with Floor Guide Options



Outside Mount with Molding

We do not recommend mounting track configurations onto most moldings. If the molding is not flat, or if it is less than 2" wide, we suggest removing it or mounting beyond the molding.

1. Measure the width from outside molding to outside molding at the top, middle, and bottom of the window opening. Record the **largest** measurement.
2. Measure the height from outside molding to outside molding at the left, center, and right of the window opening. Record the **largest** measurement.



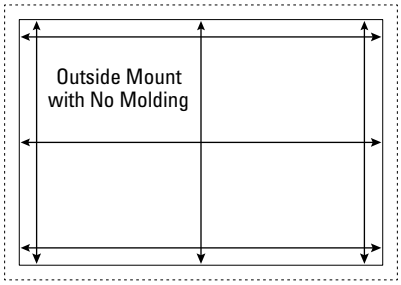
3. To determine ordered size, add the appropriate overlap factors from the Outside Mount Frame Overlap chart.

The ordered measurements will be the finished size of the shutter including the frame.

Outside Mount with No Molding

Any molding around the opening must be removed before shutter installation.

1. Measure the width inside the opening at the top, middle, and bottom. Record all three measurements.
2. Measure the height inside the opening at the left, center, and right. Record all three measurements.



3. To determine ordered size, add the appropriate overlap factors from the Outside Mount Frame Overlap chart.

The ordered measurements will be the finished size of the shutter including the frame.

Outside Mount Frame Overlap

Track Type	Overlap per Frame Side
Bi-Fold Track	2 1/2"
Bypass Track	2 1/2"

Notes

- Overlap factor provides for the frame base plus a 1/4" reveal per frame side.

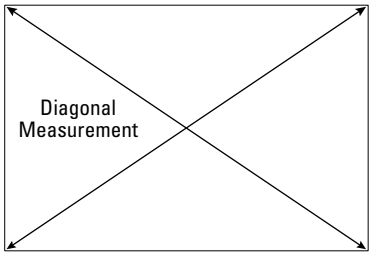
Inside Mount Deductions

The factory takes a 1/4" inside mount deduction. If you desire a different deduction, make your adjustment to the ordered width and height dimensions before placing your order.

Inside Mount with Frame

Inside mounts pose an added degree of difficulty due to several factors. Handles and locks, depth, and squareness of the window opening must be considered. For inside mount, all measurements should be tight and measured to the nearest 1/16".

1. Measure the width inside the opening at the top, middle, and bottom. Record the **smallest** measurement.
2. Measure the height inside the opening at the left, center, and right. Record the **smallest** measurement.
3. To determine squareness, measure diagonally from top left to bottom right and from top right to bottom left. If the measurements are not equal, the opening is not square. Reduce the ordered size accordingly or if the measured difference is greater than 1/2" consider an outside mount.



The ordered measurements are the size from which frame deductions will be taken. Standard deductions are 1/4" from ordered width and height on four-sided frames. On three-sided frames the height deduction is 1/8".

Minimum Mounting Depths for Framed Configurations

For minimum mounting depths, refer to Track Louver Clearances. Note that a minimum depth of 2 1/2" is required to inside mount Bi-Fold and Bypass Frames.

Inside Mount with No Frame

Follow the same procedure as described above for inside mounts with frames. If the opening is not square, a framed configuration should be strongly considered.

Notes

- If no frame is used, small light gaps will exist around the edges of the panels.

Minimum Mounting Depths for Unframed Configurations

A minimum depth of 2 1/2" is required for Bi-Fold Track configurations without frames. A minimum of 4 1/4" is required for Bypass Track configurations without frames.

Add 3/4" to these minimum depth requirements if the tilt bar will be located on the rear of the shutter.

Clearance Information

Panel Clearance

Bi-Fold panel-to-floor deduction is 5/8". For Bypass panel-to-floor deductions, see Track Components.

Support Brackets

Support brackets come standard with all outside mounted track configurations. Note that 1 1/2" of clearance is required above the frame. See Bypass Support Brackets for illustrations of the support brackets.

Notes

- For stackback measuring guidelines, refer to Bi-Fold Track Configurations and Bypass Track Configurations.
- When ordering track configurations to install on top of pre-existing molding, you must order longer top valance returns.

Bi-Fold Track Configurations

LEVOLOR® PREMIER™ POLY SHUTTERS

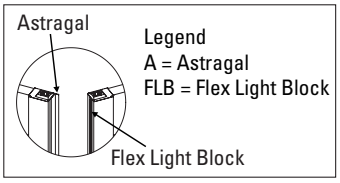
Overview

Bi-Fold Track configurations use a top track on which the shutter panels glide to open and close. They are designed in multiples of two panels (two, four, or six) which are hinged together in a variety of configurations.

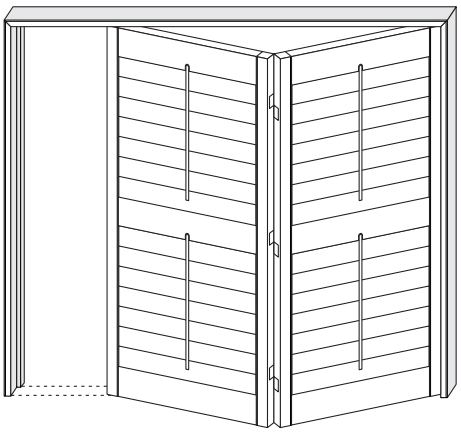
A maximum of eight panels can be hinged together. Bi-Fold Track configurations are most commonly used in extra wide windows such as sliding doors and are typically ordered with 3-sided frames.

Notes

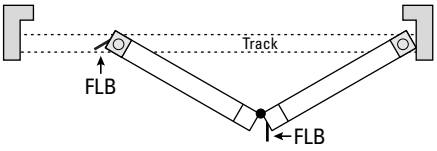
- When ordering a Bi-Fold Track configuration, it is advised to order the optional bottom track to improve alignment and functionality.
- Minimum and maximum ordered widths are based on outside mount applications.



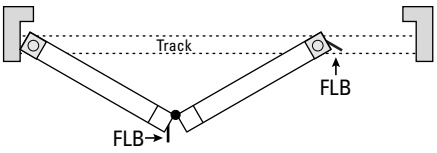
Two Panels



BF-2R

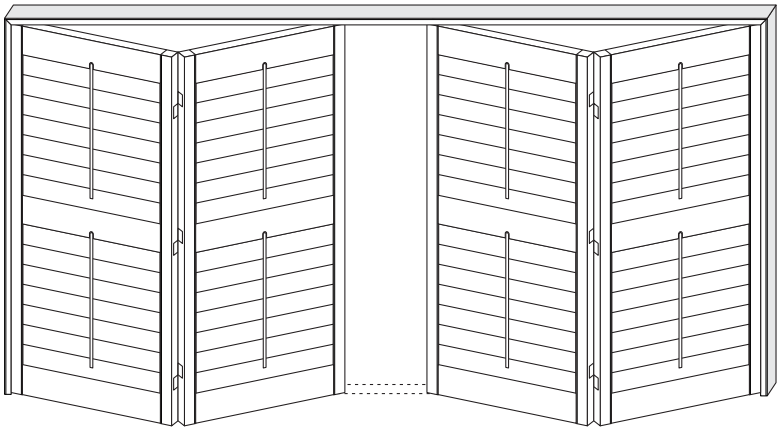


BF-2L

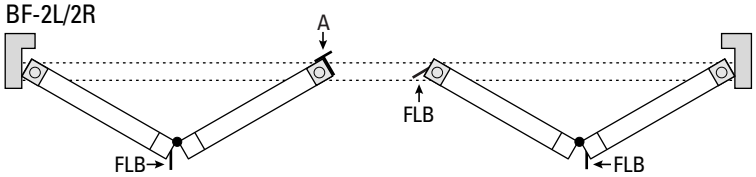


	Ordered Width	
Frame	**Minimum**	**Maximum**
BF	26 1/2"	50 1/2"
N	24 1/2"	48 1/2"

Four Panels

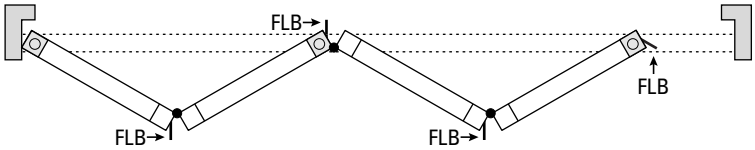


BF-2L/2R

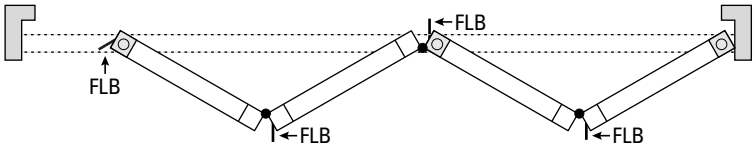


	Ordered Width	
Frame	**Minimum**	**Maximum**
BF	50 7/8"	98 7/8"
N	48 7/8"	96 7/8"

BF-4L

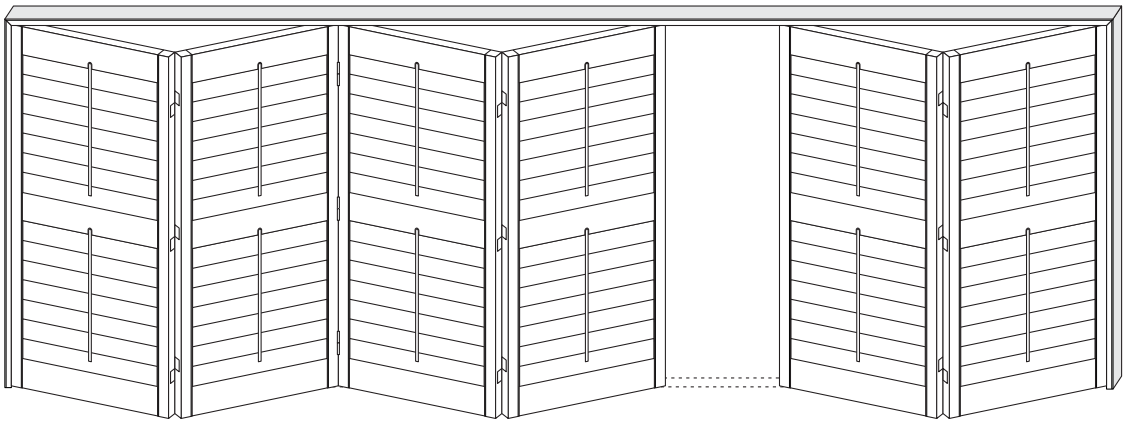


BF-4R

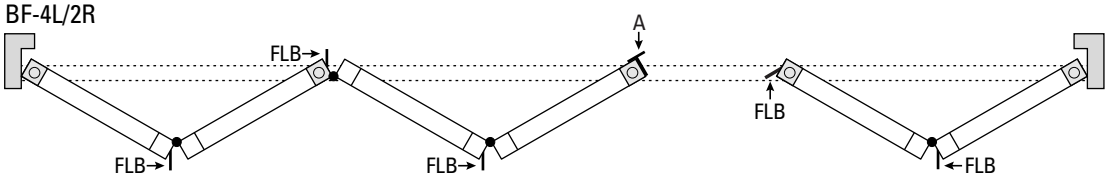


	Ordered Width	
Frame	**Minimum**	**Maximum**
BF	50 3/4"	98 3/4"
N	48 3/4"	96 3/4"

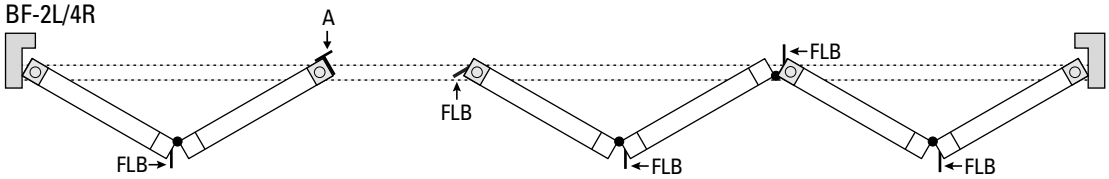
Six Panels



BF-4L/2R

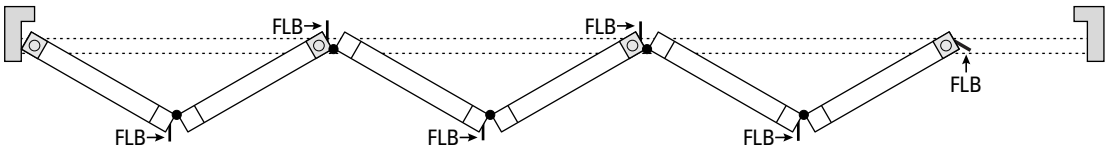


BF-2L/4R

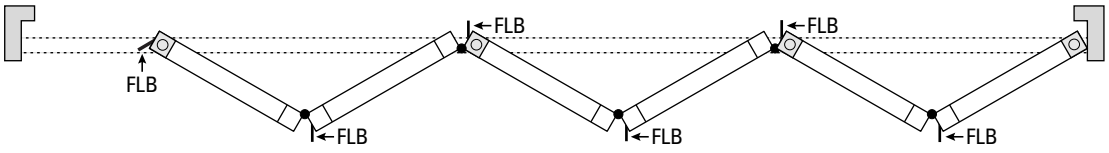


	Ordered Width	
Frame	**Minimum**	**Maximum**
BF	75 1/8"	147 1/8"
N	73 1/8"	145 1/8"

BF-6L



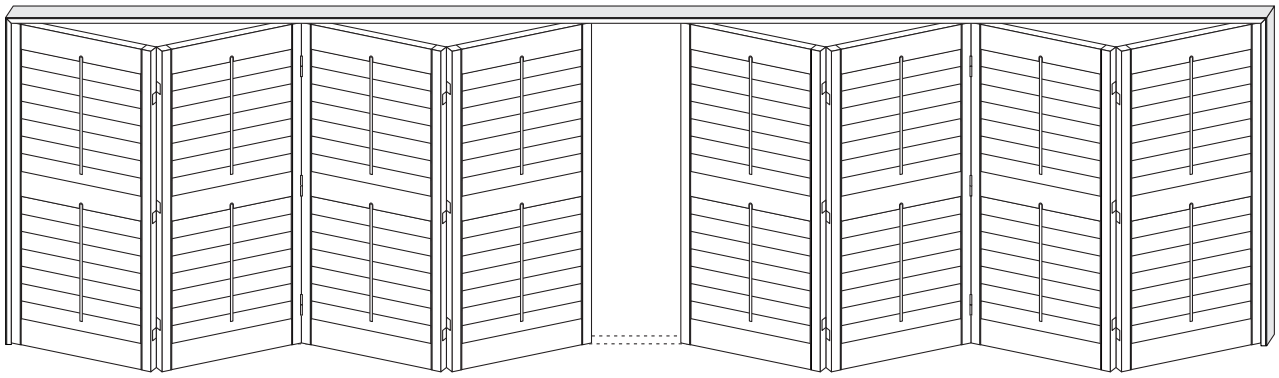
BF-6R



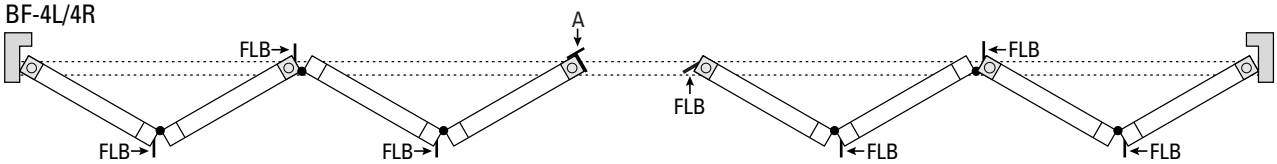
	Ordered Width	
Frame	**Minimum**	**Maximum**
BF	75"	147"
N	73"	145"

Notes
- Minimum and maximum ordered widths are based on outside mount applications.

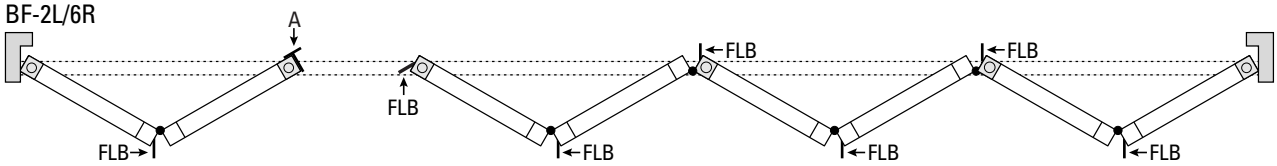
Eight Panels



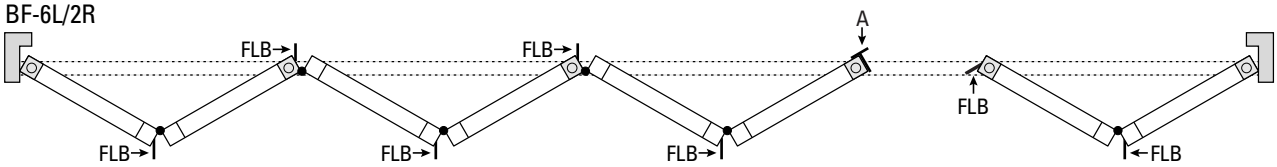
BF-4L/4R



BF-2L/6R



BF-6L/2R



	Ordered Width	
Frame	**Minimum**	**Maximum**
BF	99 1/4"	195 1/4"
N	97 1/4"	193 1/4"

Notes
- Minimum and maximum ordered widths are based on outside mount applications.
- Other multiple panel arrangements are possible, including ten and twelve panels. Consult Customer Service for details.

Stackback Design

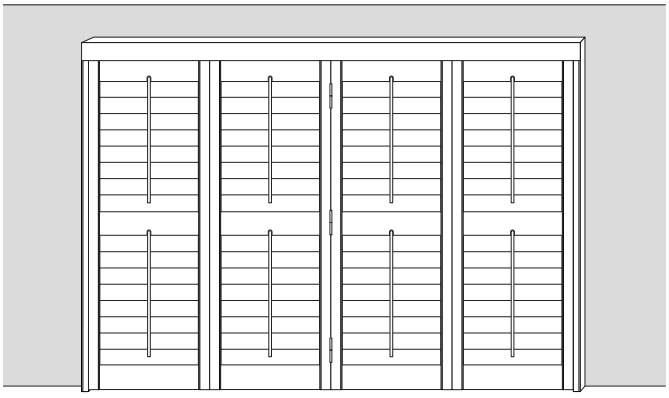
A stackback design enables the panels of a Bi-Fold Track configuration to be pushed away from the opening and completely uncover it. This is achieved by extending the top frame and track a distance equal to 2" for each pivot point at the far ends of the installation, plus 4" per set of panels. A pivot point is the stationary location on the frame sides where panels are anchored and fold away from the opening.

Examples:

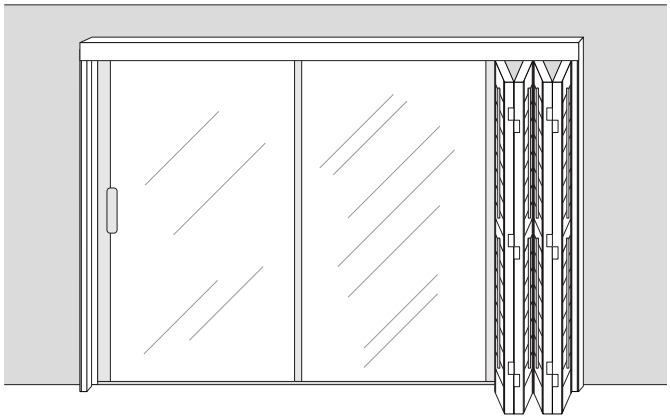
4L has one pivot point on the left. 2L/2R has two pivot points, one on the left and one on the right.

In the illustration below, a four-panel Bi-Fold track configuration is extended by the needed distance to stack the panels back. This design is usually considered when a customer desires more view and wall space is available.

Bi-Fold Stackback Design – Closed



Bi-Fold Stackback Design – Open



Notes

- On a Bi-Fold stackback design, a portion of the wall is hidden behind the shutter panel, and there may be limited louver operation.
- In Bi-Fold track stackback applications, the Ordered Width and the stackback width are the same.

Bypass Track Configurations
LEVOLOR® PREMIER™ POLY SHUTTERS

Overview

Shutter panels in Bypass and Bypass Open Louver Track configurations are not hinged. Bypass Track configurations use two or three tracks and floor guides on which the shutter panels glide to open and close. It is designed for multiple panels (two, three, four, five, six, or eight) which are used individually or attached in sets in a variety of configurations. Discreet stile joiners are used to marry multiple panels together when ordered in sets.

Bypass Track configurations are most commonly used in extra wide windows such as sliding doors and are typically ordered with 3-sided frames.

With Bypass Track configurations, floor guides are used to hold the panels in alignment when operating the shutters or subjecting them to wind.

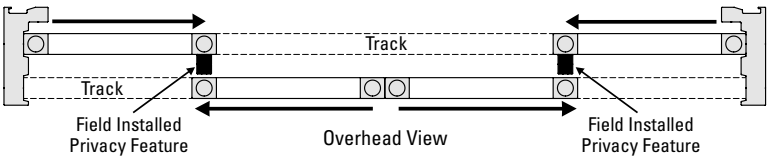
Privacy Features

All Bypass track configurations come standard with a privacy and light blocking feature. This is a field installed feature.

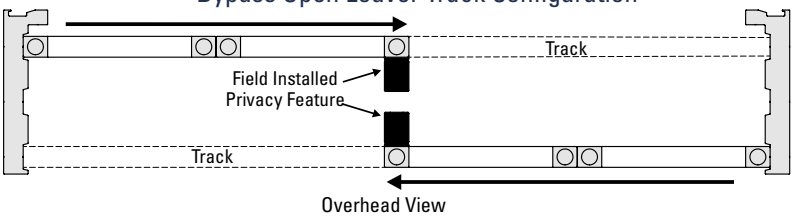
Notes

- Bypass panel overlaps of $1^{3}/_{8}$" are accounted for in minimum and maximum ordered widths.
- Units with panel widths less than $27^{1}/_{2}$" may not be built with Controlled Close for Bypass depending on the configuration. A pop-up in DirectConnect™ will indicate when a unit cannot be made with Controlled Close for Bypass.
- Ordered widths are based on outside mount applications.
- All panel configurations are available as standard Bypass or Bypass Open Louver Track configurations.

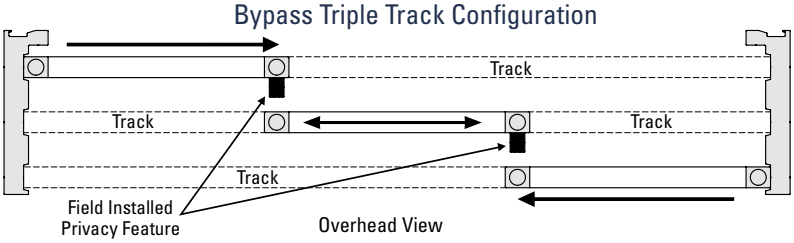
Bypass Track Configuration



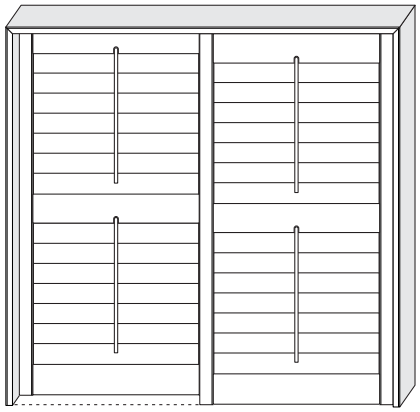
Bypass Open Louver Track Configuration



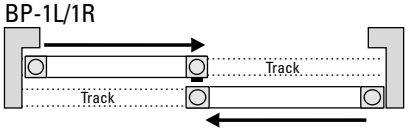
Bypass Triple Track Configuration



Two Panels

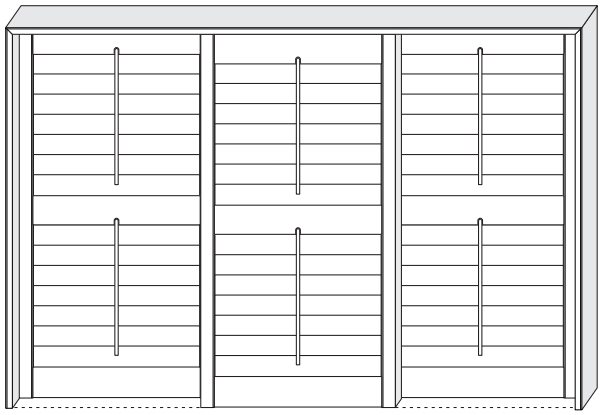


BP-1L/1R

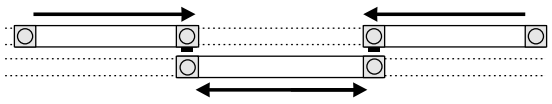


	Ordered Width		
Frame	**Minimum**	**SS Auto Minimum**	**Maximum**
BP	$24^{5}/_{8}$"	$34^{5}/_{8}$"	$72^{5}/_{8}$"
Single Stackback	$23^{5}/_{8}$"	$33^{5}/_{8}$"	$71^{5}/_{8}$"
N, Double Stackback	$22^{5}/_{8}$"	$32^{5}/_{8}$"	$70^{5}/_{8}$"

Three Panels



BP-1L/1C/1R



	Ordered Width		
Frame	**Minimum**	**SS Auto Minimum**	**Maximum**
BP	$35^{1}/_{4}$"	$50^{1}/_{4}$"	$107^{1}/_{4}$"
Single Stackback	$34^{1}/_{4}$"	$49^{1}/_{4}$"	$106^{1}/_{4}$"
N, Double Stackback	$33^{1}/_{4}$"	$48^{1}/_{4}$"	$105^{1}/_{4}$"

Notes

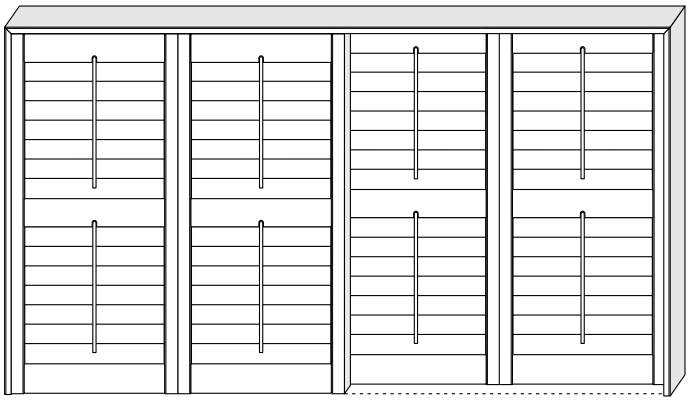
- Available with two or three tracks.

Notes

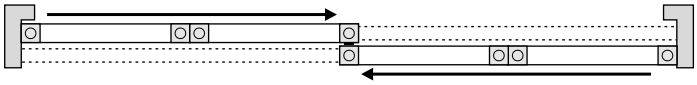
- Minimum and maximum ordered widths are based on outside mount applications.
- Other multiple panel arrangements are possible, including ten and twelve panels. Consult Customer Service for details.

Bypass Track Configurations
LEVOLOR® PREMIER™ POLY SHUTTERS

Four Panels

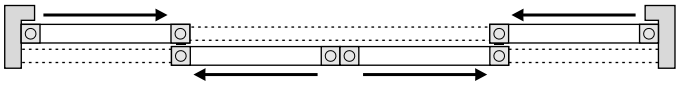


BP-2L/2R



	Ordered Width		
Frame	**Minimum**	**SS Auto Minimum**	**Maximum**
BP	48 3/4"	68 3/4"	144 3/4"
Single Stackback	47 3/4"	67 3/4"	143 3/4"
N, Double Stackback	46 3/4"	66 3/4"	142 3/4"

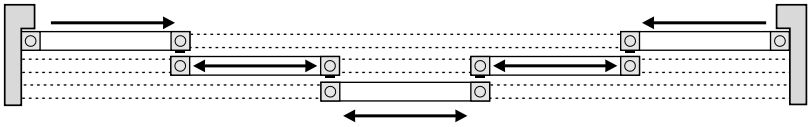
BP-1L/1C/1C/1R



	Ordered Width		
Frame	**Minimum**	**SS Auto Minimum**	**Maximum**
BP	47 1/4"	67 1/4"	143 1/4"
Single Stackback	46 1/4"	66 1/4"	142 1/4"
N, Double Stackback	45 1/4"	65 1/4"	141 1/4"

Five Panels

BT-1L/1M/1C/1M/1R

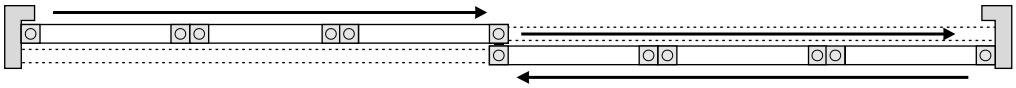


	Ordered Width		
Frame	**Minimum**	**SS Auto Minimum**	**Maximum**
BP	56 1/2"	81 1/2"	176 1/2"
Single Stackback	55 1/2"	80 1/2"	175 1/2"
N, Double Stackback	54 1/2"	79 1/2"	174 1/2"

Notes
- Minimum and maximum ordered widths are based on outside mount applications.

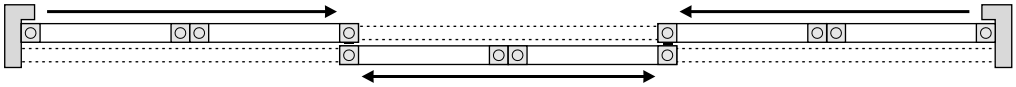
Six Panels

BP-3L/3R



	Ordered Width		
Frame	**Minimum**	**SS Auto Minimum**	**Maximum**
BP	72 7/8"	102 7/8"	216 7/8"
Single Stackback	71 7/8"	101 7/8"	215 7/8"
N, Double Stackback	70 7/8"	100 7/8"	214 7/8"

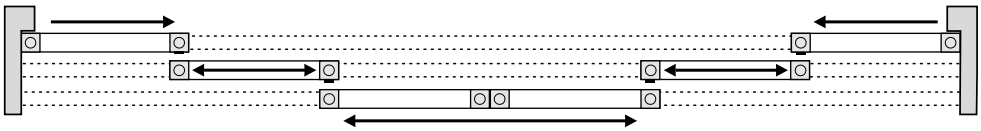
BP-2L/2C/2R



	Ordered Width		
Frame	**Minimum**	**SS Auto Minimum**	**Maximum**
BP	71 7/16"	101 7/16"	215 7/16"
Single Stackback	70 7/16"	100 7/16"	214 7/16"
N, Double Stackback	69 7/16"	99 7/16"	213 7/16"

Notes
- Available with two or three tracks.

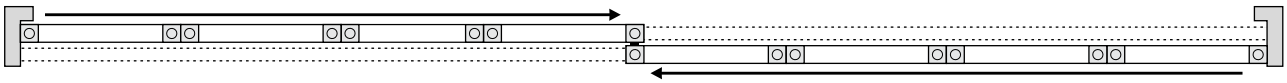
BT-1L/1M/1C/1C/1M/1R



	Ordered Width		
Frame	**Minimum**	**SS Auto Minimum**	**Maximum**
BP	68 1/2"	98 1/2"	212 1/2"
Single Stackback	67 1/2"	97 1/2"	211 1/2"
N, Double Stackback	66 1/2"	96 1/2"	210 1/2"

Eight Panels

BP-4L/4R



	Ordered Width		
Frame	**Minimum**	**SS Auto Minimum**	**Maximum**
BP	97"	137"	289"
Single Stackback	96"	136"	288"
N, Double Stackback	95"	135"	287"

Notes
- Minimum and maximum ordered widths are based on outside mount applications.
- Other multiple panel arrangements are possible, including 10 or 12 panels. Consult Customer Service for details.

Stackback Design

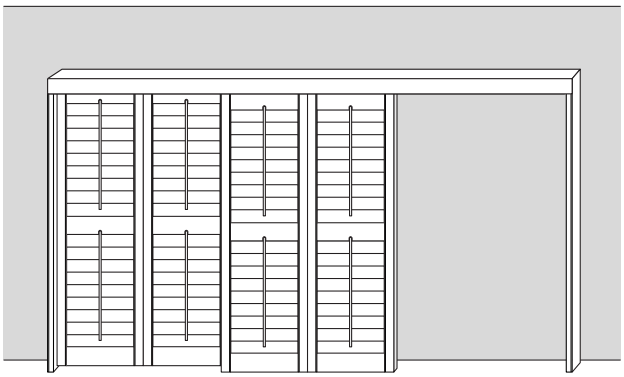
A stackback design enables both the front and rear panels of a Bypass Track configuration to slide from the opening to completely uncover it. In the illustration below, a four-panel Bypass Track configuration is extended by a distance equal to the width of two panels. This type of stackback configuration comes with design limitations. When the panels are closed, covering the glass, the valance and frame appear to be free floating on the wall as seen in the illustration below.

However, one or both of the side frames may be eliminated if the top frame abuts one or both walls, or is an inside mount or ceiling mount. This provides a very clean look to the installation assuming proper mounting is available.

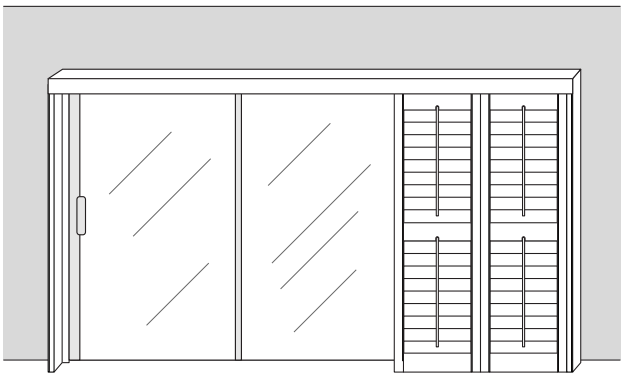
Notes

- When ordering a Bypass Track configuration with stackback, you must provide both ordered width and stackback width. You must also indicate whether the stackback is to the left, right, or both left and right. This information is required to calculate correct panel widths including $1^{3}/_{8}$" overlaps.

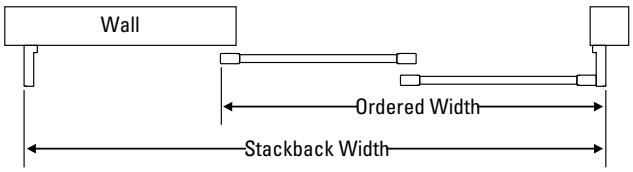
Bypass Stackback Design — Closed



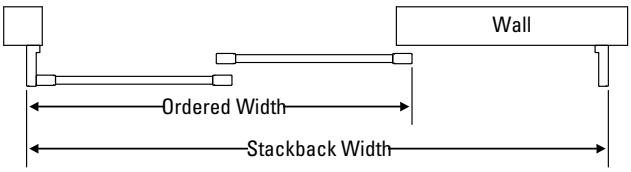
Bypass Stackback Design — Open



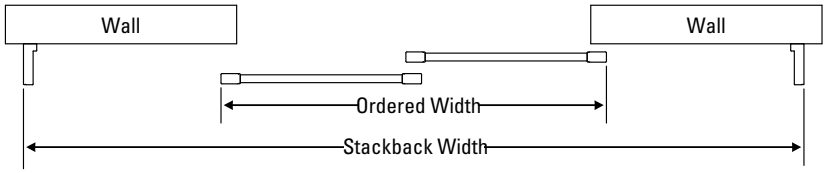
Bypass Single Stackback (Left)



Bypass Single Stackback (Right)



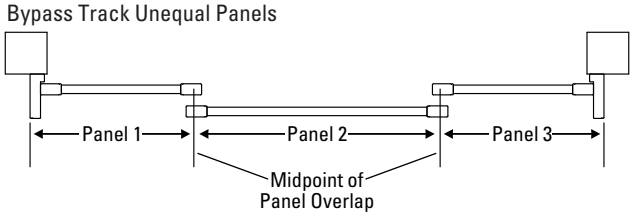
Bypass Double Stackback (Left-Right)



Bypass Track Unequal Panels

Equal panel widths are standard for Bypass Track configurations. If varying panel widths are required, specify as unequal panels in special instructions on the order form and provide panel measurements as shown at right.

Bypass Track Unequal Panels



Smart Shades Automation (Automation III) Product Specifications

LEVOLOR® PREMIER™ POLY SHUTTERS

The Basics

Shutters with Smart Shades automation are perfect for hands-free louver tilt operation through a remote or mobile device, especially for hard-to-reach windows.

- Tilt louver sections across two panels with a single motor and coupler.
- Available with Front Tilt or Concealed Tilt operating system.
- Panels with a divider rail or split tilt allow for independent operation of louver sections.
- Exclusive override feature allows manual louver operation without engaging the motor. The automated function must be used for tight louver closure.

Applications

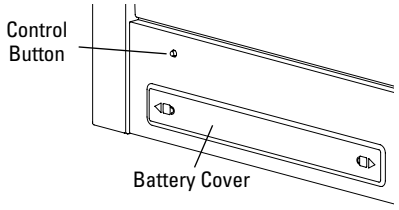
- Fits rectangular window openings:
  - Standard Hinged
  - Bypass Track Configurations
  - Café
  - Double-Hung
- Available with French door cut-outs.
- Available with 2½", 3½", and 4½" louvers
- Available with 4-sided, 3-Sided, 2-sided, No Frame
- Available with 4" top and bottom rails only
- Available with up to one divider rail or one split tilt (3½" and 4½" louvers only) per panel

Size Standards

See Size Standards∞.

Features

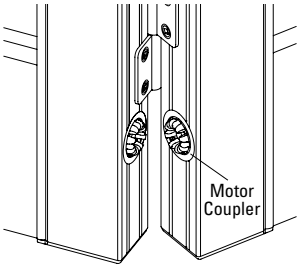
- The first motor and battery wand will always be located in the bottom rail.
- Panels with a divider rail or split tilt have the second motor and battery wand located in the top rail.
- For Double-Hung shutters, the motor and battery wand will be located in the top rail of the upper panels and the bottom rail of the lower panels.
- A color-coordinated battery cover is provided with every order, and is located on the back side of the rail.



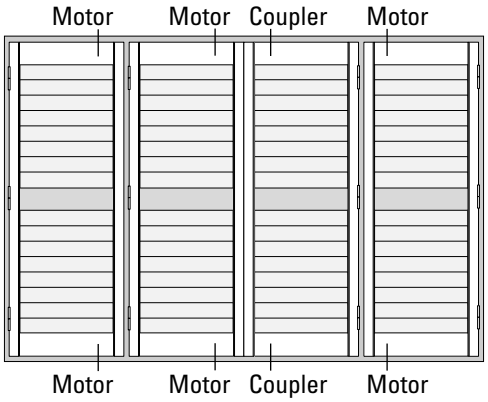
- Motor couplers are only used to connect louver sections horizontally across two panels (Ex: LL or 2L2R) with one motor, and come standard on those configurations. If independent operation is desired, a motor for each louver section can be ordered with a surcharge.

Notes

- Motor couplers are not recommended for 3D applications.



- A shutter panel with one divider rail or split tilt will have individual motors for the top and bottom louver sections.



- Available with 12V battery wand and Rechargeable Battery Wand only.
- Smart Shades automation accessories available. See Pricing – Surcharges & Accessories∞.

Exclusions

- Bi-Fold Track Systems
- Double-Hung with Divider Rails
- Specialty Shapes
- 2" Top and Bottom Rails
- Split tilt with 2½" louver
- Magnets for panel closure
- Smart Shades automation Accessories:
  - Satellite Battery Pack
  - 18V Battery Wand
  - C-size Satellite Battery Wand
  - Daisy-Chain Cable
  - 18V DC Power Supply
  - 16-Shade DC Power Supply

Additional Information

- Smart Shades automation is louver tilt only. Manual operation is required to open and close the shutter panels.
- When an automated shutter is ordered, the entire unit must be automated. It is not possible to choose which panels or louver sections within a unit are automated, and which are not.
- Variation in louver rotation alignment and tilt speeds may occur between louver sections.
- French door cut-outs with Automation III require one divider rail for panels greater than 66" in height.
- All shutters with Smart Shades automation require access to back of the panel for the control button and battery replacement.
- Poly Shutters with should not be installed in areas where direct contact with water may occur.
- For more information regarding design and operation, see the Smart Shades automation section of this Reference Guide.

Mounting Requirements

See Standard Hinged Panels∞.

Frame Cut-Outs

Frame cut-outs are used to accommodate obstructions in the window such as window cranks, tile, and baseboards.
There are four different types of frame cut-outs available.

- Type A — Light Stop
- Type B — Light Stop and Back of Frame
- Tile — Flange Removal
- Baseboard — Back of Frame and/or Back of Frame and Light Stop

All frame cut-outs have a surcharge (see Pricing – Surcharges & Accessories℠).
Up to three cut-outs can be made per frame side. Use the Poly Shutters Frame Cut-Out Order Form to record required measurements.

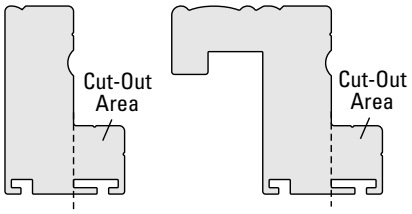
Type A — Light Stop

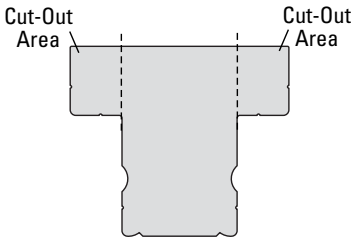
This cut-out is typically used when there is an obstruction in the window, possibly a window crank. The light stop is completely removed to the body of the frame.
Type A cut-outs are available on:

- All frames
- Frames ordered with build-out
- T-Posts

Cut-outs on T-Posts must be a minimum of 2" from either end of the T-Post.







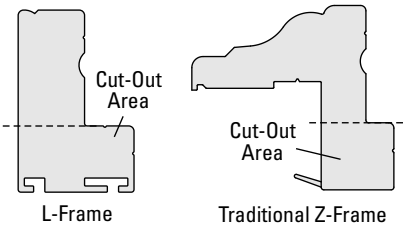
Type B — Light Stop to Back of Frame

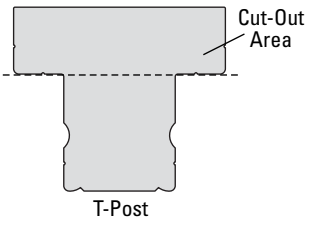
This cut-out removes the back side of frame and the thickness of the light stop.
Type B cut-outs are available on:

- All frames except Casing Frame
- Frames ordered with build-out
- T-Posts

Cut-outs on T-Posts must be a minimum of 2" from either end of the T-Post.



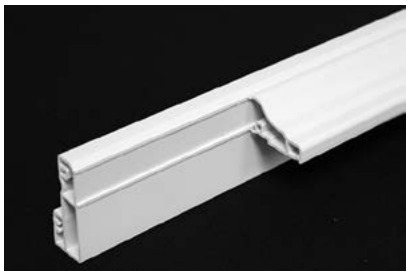


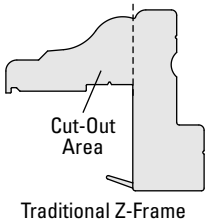


Tile — Flange Removal

This type of cut-out is available on Z frames and removes the entire frame flange.
Tile cut-outs are available on:

- Standard Z-Frame (Z71)
- Designer Z-Frame (Z72)
- Colonial Z-Frame (Z73)
- Traditional Z-Frame (Z74)
- Deluxe Z-Frame (Z75)
- Bullnose Z-Frame (Z76)





Baseboard — Back of Frame and/or Back of Frame and Light Stop

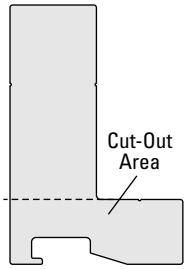
This cut-out removes the back side of frame up to the thickness of the light stop and is only available on 3-sided frame applications.
Baseboard cut-outs are available on:

- All outside mount frames
- Frames ordered with build-out

Notes

- Only square cuts available.
- Baseboard cut-outs can be cut at a specified depth to accompany most baseboard types.
- On Bypass and Bi-Fold Frames the maximum depth of cut-out is 3/4".





Bi-Fold Frame

Measuring Instructions

Determine where your cut-out is located: top, left, right, or bottom of frame.

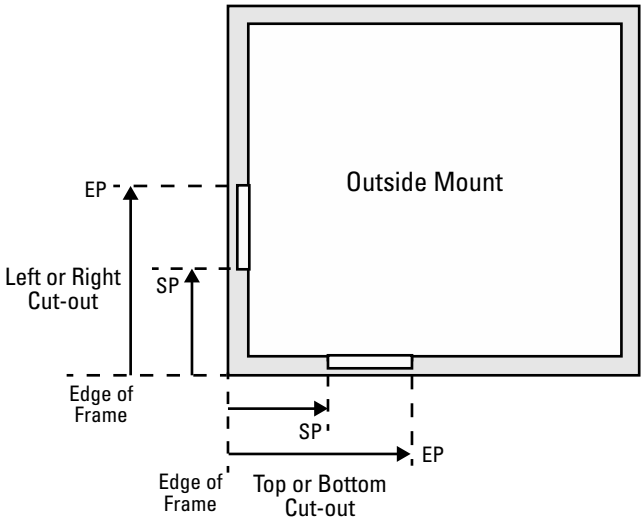
- SP: Starting point of cut-out
- EP: End point of cut-out

Baseboard Cut-Out Depth:

Measure the projection of the baseboard plus 1/8", up to a maximum of 3/4".

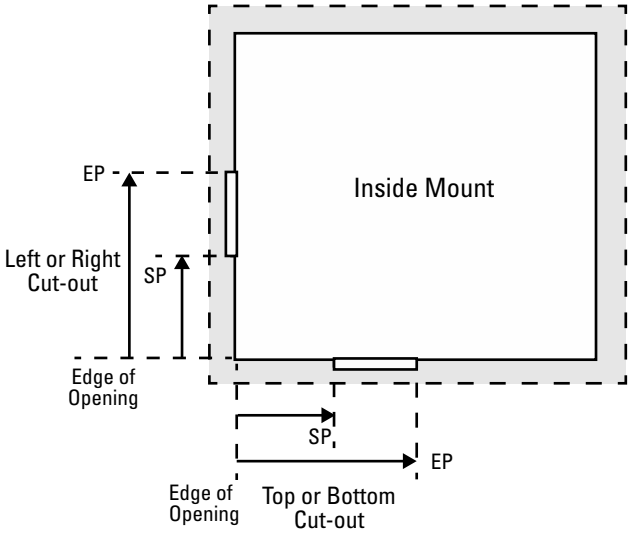
Outside Mount (OM)

- Top or bottom cut-out
  - SP: Measure from the left edge of the frame to the starting point of the cutout and record.
  - EP: Measure from the left edge of the frame to the end point of the cut-out and record.
- Left or right cut-out
  - SP: Measure from the bottom edge of the frame to the starting point of the cutout and record.
  - EP: Measure from the bottom edge of the frame to the end point of the cut-out and record.



Inside Mount (IM)

- Top or bottom cut-out
  - SP: Measure from the left edge of the opening to the starting point of the cut-out and record.
  - EP: Measure from the left edge of the opening to the end point of the cutout and record.
- Left or right cut-out
  - SP: Measure from the bottom edge of the opening to the starting point of the cut-out and record.
  - EP: Measure from the bottom edge of the opening to the end point of the cutout and record.



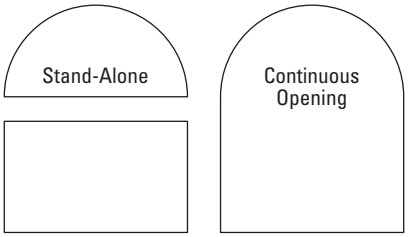
The Basics

Unframed and framed specialty shapes are available in ten shapes.

- Perfect arch (A1)
- Quarter circle (A2L/A2R)
- Extended eyebrow (A4)
- Extended arch (A4)
- Eyebrow (A5)
- Angle (A7)
- Extended angle (A7)
- Pentagon (A8)
- Hexagon (T3)
- Octagon (T4)

Specialty shapes should be ordered as framed whenever possible to avoid light gaps, simplify installation, and provide a better fit.

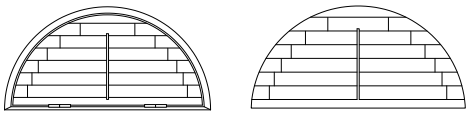
Both framed and unframed specialty shapes may be ordered stand-alone or combined with standard hinged panels below in a continuous opening.



Notes

- T3 and T4 specialty shapes require a template.
- Irregular shaped openings require a template. See the specialty order form for more details.
- Rubber flex is not available with the Standard Z-Frame, L-Frame or Casing Sill/Decorative L-Frame on specialty shape applications.
- Framed specialty shapes must be ordered as four-sided frame.

Frame Options

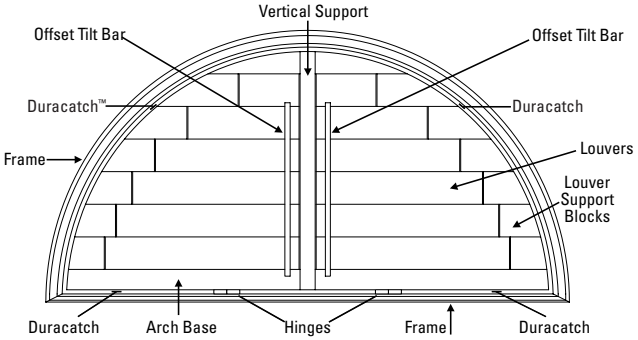


Framed Specialty Shape with Horizontal Louvers

Unframed Specialty Shape with Horizontal Louvers

Specialty Shapes Terminology

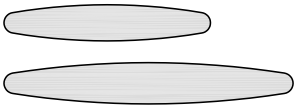
Poly Shutters specialty shapes have been uniquely designed to incorporate horizontal louvers which provide a consistent look with the shutters below. Vertical supports divide larger arches into multiple sections which can also match the shutter below. By using the same frames, louvers, and tilt bar options as our traditional shutters, the result is a cohesive look.



Louver Options

Louvers operate freely in both directions.

- 2 1/2"
- 3 1/2"



Notes

- 4 1/2" louvers are not available.

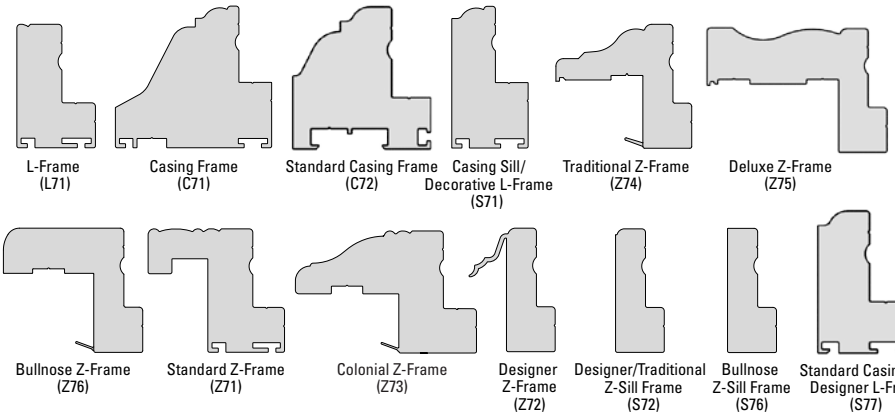
Build-Out

To gain additional clearance for louver operation on outside mount applications, build-out may be ordered for framed specialty shapes. See Pricing – Surcharges & Accessories℠ for build-out surcharges.

Only one 1/2" build-out is available with the L-Frame, Casing Frame and Decorative L-Frame.

Pricing

Specialty pricing is based on the widest ordered width of the specialty.



Measuring and Ordering

All necessary measurements for specialty shapes are shown on the specialty order form. Use the order form for the unframed or framed shape, and its application (stand-alone or continuous opening).

Templates

Submitted templates will be reviewed before fabrication and compared to ordered dimensions for verification. A shape will be built as a single radius if the template dimensions are within 1/8" of a perfect radius. Contact Customer Service for further information on when a template is required.

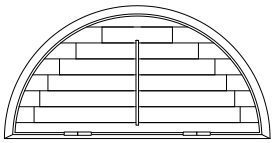
Ordering Considerations

Tilt Bar Options

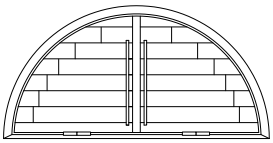
- The size and configuration of the shutter will, in many cases, determine the tilt bar mechanism.
- Front tilt available for any arch, as either front center or front offset.
- Rear Tilt bar — available only if the specialty has a full length straight side or a vertical support.
- Front tilt/rear tilt combo — available when two vertical supports are specified. The center section includes tilt bar (front center) and the outer sections include rear tilt bar (back side against the vertical support).
- Specialty shapes are not available with Concealed Tilt or Smart Shades automation.

Example: A perfect arch with no vertical support would have a tilt bar (either front or rear); a perfect arch with one vertical support could have either rear tilt bars on each section or an offset tilt bar.

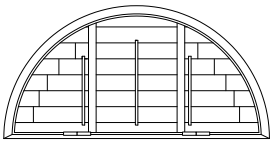
Front Tilt Options



Perfect Arch with Tilt Bar (Front Center) No Vertical Support

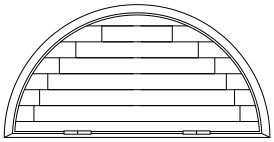


Perfect Arch with Tilt Bars (Offset) One Vertical Support

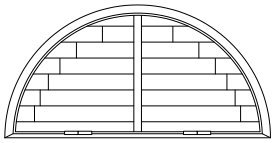


Perfect Arch with Tilt Bars Two Vertical Supports

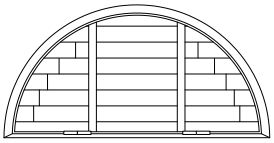
Rear Tilt Options



Perfect Arch with Tilt Bar (Back Center) No Vertical Support



Perfect Arch with Rear Tilt Bars One Vertical Support



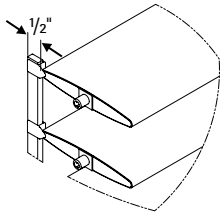
Perfect Arch with Rear Tilt Bars Two Vertical Supports

Rear Tilt

The rear tilt bar option is available only for specialty shapes. It is attached to the ends of the louvers with a connector adjacent to a full-length straight side or vertical support.

Notes

- For Rear Tilt, with all frame types, allow an additional 3/4" for clearance. This includes the 1/4" standard recommended clearance and the 1/2" clearance for the rear tilt bar.

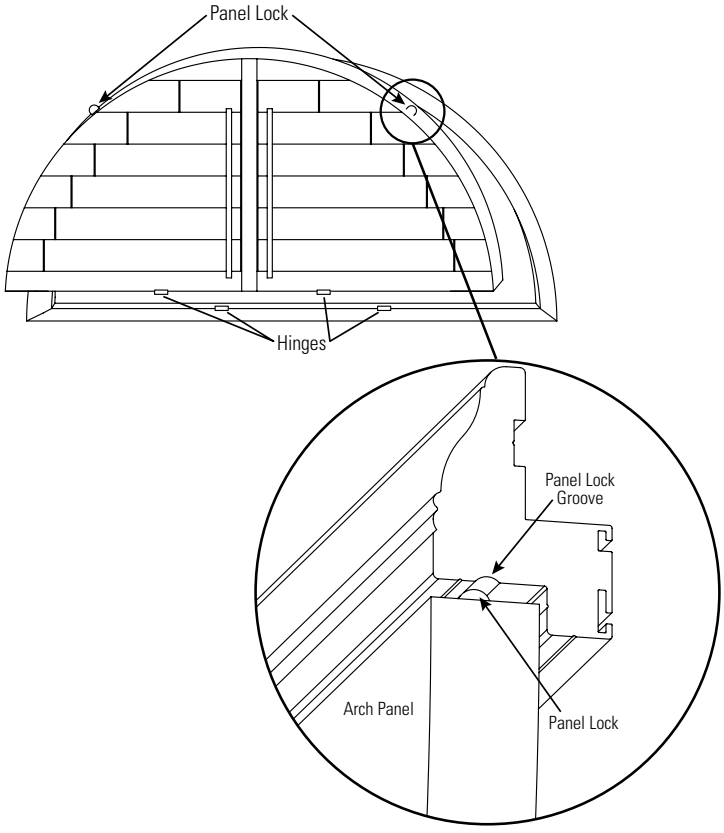


Arch Panel Attachment

- Once the frame is installed, the specialty panel can be snapped into place.
- Hinges come installed to the bottom of all specialty shapes that have a straight bottom. Panel lock — spring loaded plunger locks into a groove designed into all of the frames. A single magnet at the top will be added to ensure the panel is secure.
- Unframed inside mounts are not recommended due to light gaps that occur from imperfect openings.

Operation Notes

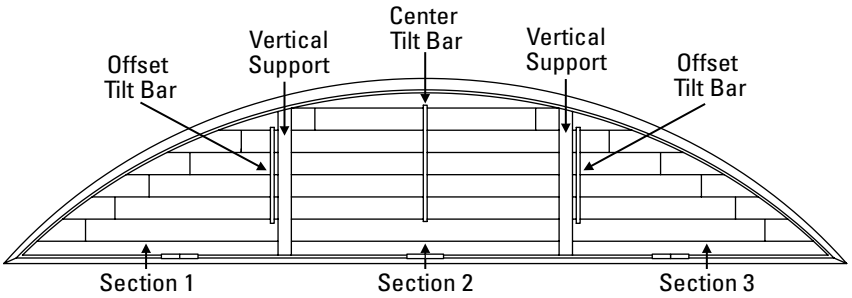
- Each section of an arch includes its own set of louvers and a tilt bar, and operates independently (front tilt bar or rear tilt bar).



Vertical Supports

The Basics

The vertical support is the vertical component of the arch that divides the specialty shape into multiple sections and provides strength and rigidity. Smaller specialty shapes (less than 30") do not require vertical supports but may be ordered with them. Vertical supports are required based on width. The specifications are listed below.



The illustrations reflect a two-panel shutter with a two-section arch above, and a three-panel shutter with a three-section arch above. They are designed so that the vertical supports divide larger arches into multiple sections and align with the vertical component in the shutter below.

Vertical Support Requirements

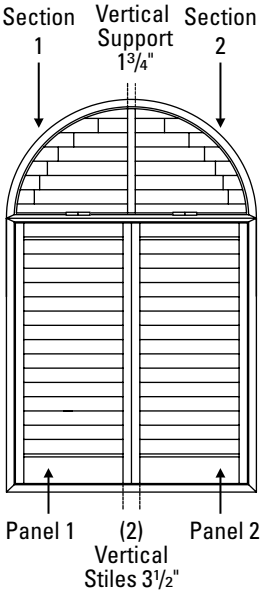
- 0 vertical supports: 0" – 30"
- 1 vertical support: 30 1/8" – 60"
- 2 vertical supports: 60 1/8" – 72"
- 3 vertical supports: 72 1/8" – 108"

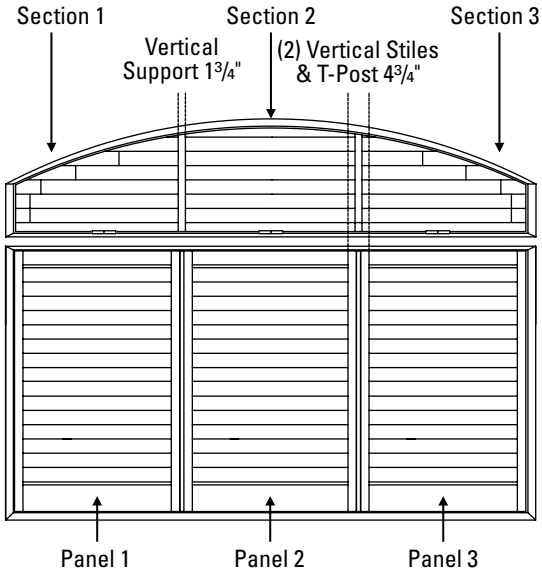
Notes

- Maximum distance between vertical supports is 30".

Vertical Support Considerations

When ordering larger specialties that require vertical supports or when adding vertical supports to smaller specialties, order the shutter below and the arch above with the same number of panels and sections. Specify the vertical support locations. The vertical support in the arch is a different width than the stile and T-Posts in the panels below.



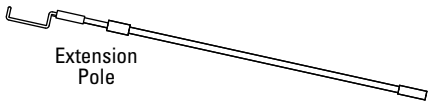


Vertical Component Widths

- Vertical support widths = 1 3/4"
- 2 vertical stile widths = 3 1/2"
- 2 vertical stile widths + T-Post = 4 3/4"

Extension Pole

For hard to reach louvers, an extension pole that extends to 96" is available.

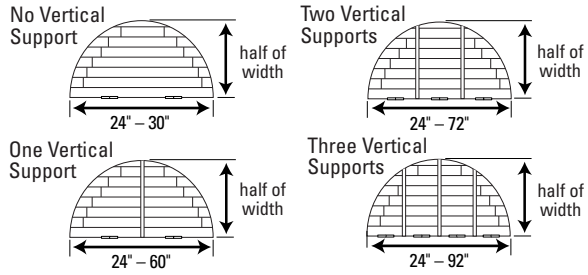


Additional Information

- Standard deductions are taken from total ordered width and height for all frame types. The height deduction is taken for both the specialty shape and, if applicable, the shutter below it. See Standard Hinged Panels for standard deductions by frame type.
- To ensure that the width of the specialty shape aligns with the width of the standard shutter below, both units must be ordered at the same time, on the same order. If ordered separately, the units may not align correctly.
- Note on specialty shapes order form if vertical supports are desired and if they should align with the shutter below.
- In order to achieve a consistent look, order the shutter below and the arch above with the same number of panels and sections.
- Perfect alignment of the vertical supports may not always be possible based on panel width.

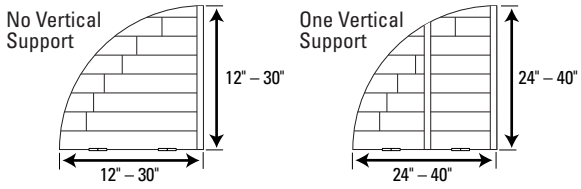
Specifications

Perfect Arch (A1)



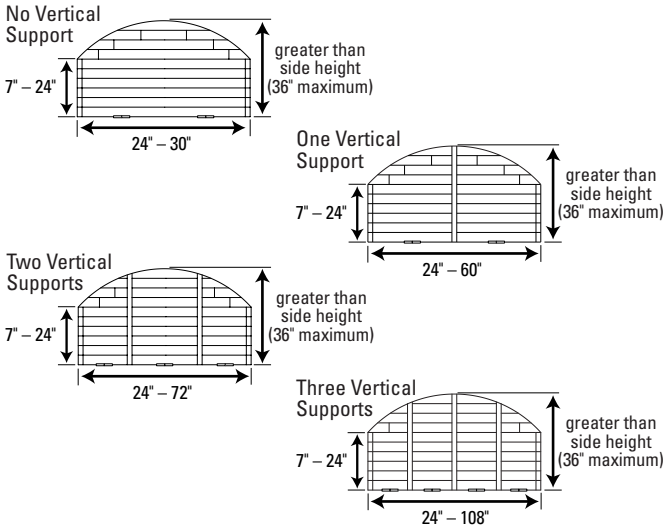
- The height of a Perfect Arch measures one-half the width. If the height measures more than half the width, specify an Extended Arch. If the height measures less than half the width, specify an Eyebrow.

Quarter Circle (A2L/A2R)

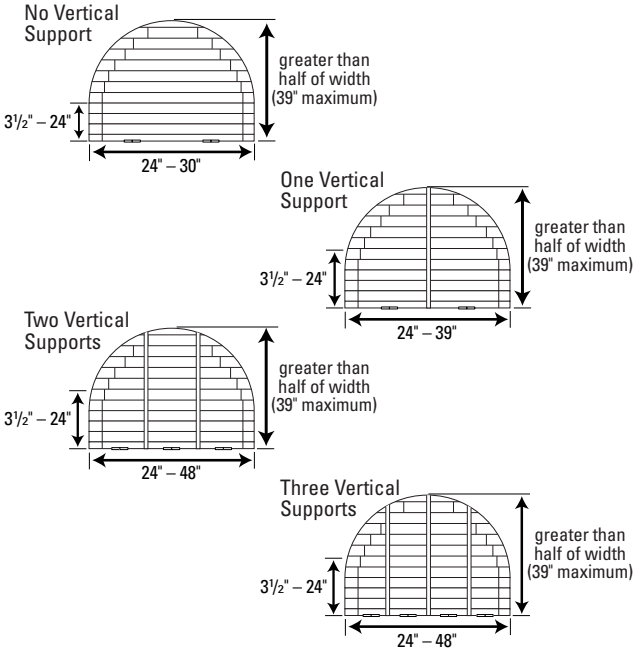


- Height must equal width.
- Order as left (A2L) or right (A2R) quarter circle.

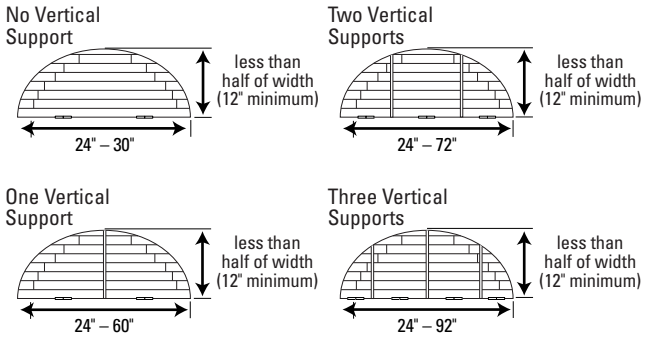
Extended Eyebrow (A4)



Extended Arch (A4)

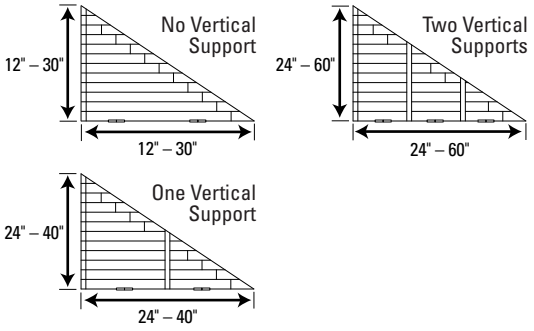


Eyebrow (A5)

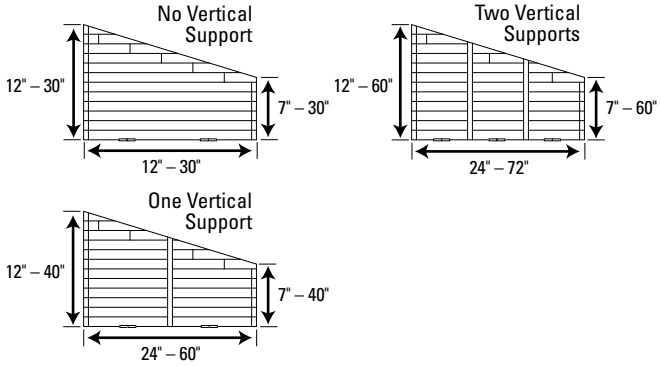


- Height must be less than half the width.

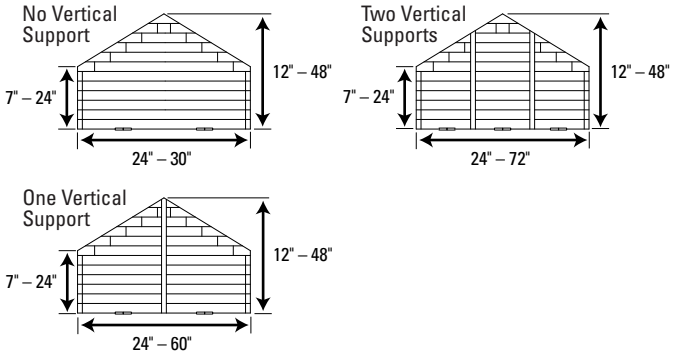
Angle (A7)



Extended Angle (A7)

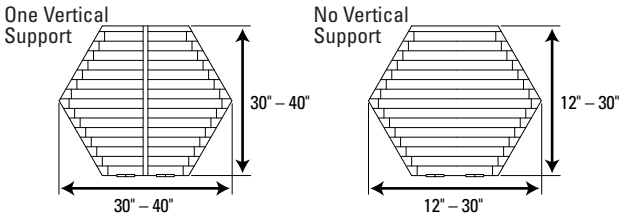


Pentagon (A8)



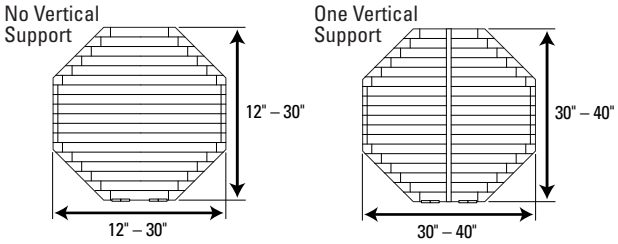
- Sides must be vertical.
- Available as symmetrical only.
- Peak cannot be offset; it must be in the center of the shape.

Hexagon (T3)



- Template required.
- Shape will be built even on all sides to fit within the template and may potentially result in uneven gaps.

Octagon (T4)



- Template required.
- Shape will be built even on all sides to fit within the template and may potentially result in uneven gaps.

Coordination with Hardwood, Composite, and Poly Shutters

LEVOLOR® PREMIER™ offers three distinctive shutter products for different areas of the home.

- Hardwood Shutters are made of 100% hardwood for a classic look that stands the test of time.
- Composite Shutters offer the blended look of painted and manmade materials in a top quality product.
- Poly Shutters combine the beautiful look of a finely painted shutter with the durability to withstand harsh conditions such as extreme light, moist environments and high traffic areas.

Coordination with Alternative Wood Blinds and Wood Blinds

LEVOLOR PREMIER Alternative Wood Blinds and Wood Blinds offer a variety of applications.

- Alternative Wood Blinds offer the warmth and style of wood blinds, with the advantages of modern engineered materials.
- Wood Blinds feature the finest genuine wood quality, innovative lifting systems and premium upgrades.

Color Coordination Throughout the Home

Coordinating Products makes it easy to coordinate Hardwood, Poly, or Composite Shutters with Alternative Wood Blinds or Wood Blinds. If, for example, a customer wants a Bi-Fold or Bypass shutter to cover a sliding glass door or other wide expanse, but prefers blinds for the windows, you can quickly suggest appropriate coordinating colors. Design versatility is optimized.





Colors listed in chart below are designed as a guide to coordination. They are not an exact match.

Hardwood Shutters	Composite Shutters	Poly Shutters	Alternative Wood Blinds	Wood Blinds
7700 Crystal White		5736 Cotton		450 Meringue
7701 Beluga	6750 Dove White			801 Frost White 427 Cotton Ball
7703 Honest White			3100 Cashmere Crème	
		5751 Ivory		808 Crème
7721 Cloud Cover				221 Heron White
7759 Whisper White		5737 White	971 Igloo	867 Super White
8724 Sparrow				480 Tudor
8744 Nightfall			994 Storm Cloud	
8770 Marigold				870 Autumn
8780 Sedona			945 English Walnut	

Notes

- Always review sample kit color chips when making color coordination decisions.