

## PORTRAIT™ HONEYCOMB SHADES

Program Reference Guide  
April 2021


## Revision Log

Date	Revision
11/16/2020	<p><a href="#">Pg. :</a> Added Side by Side info</p> <p><a href="#">Pg. :</a> Added note: SmartFit OB / SmartFit D&amp;N OB is not available in large cells (3/4 "Double &amp; 1 ¼" Single)</p> <p><a href="#">Pg. :</a> Revised notes for magnets supplied on vertical shades.</p> <p><a href="#">Pg. :</a> Updated Vertical Butt 2 shades (side by side) requirements</p> <p><a href="#">Pg. :</a> Updated Specialty Shapes requirements</p> <p><a href="#">Pg.:</a> Added Side Mount bracket info</p> <p><a href="#">Pg.:</a> Added Woven fabric disclaimer</p>
1/25/2021	<p><a href="#">Pg. :</a> Updated Specialty Shapes notes</p>
<i>Note: The table of contents sections/pages have been rearranged slightly</i>	
3/15/2021	<p><b>Woven fabric collection, Windsong, now also available in the following systems: <i>SmartFit™, SmartRelease™, Cord Loop, Cord Loop TD, Corded &amp; Corded TDBU</i></b></p> <p><a href="#">Pg. 6:</a> Added size limitation notes for Windsong fabrics Updated 2 on 1 Shades size limitations for Windsong fabrics</p> <p><a href="#">Pg. 7:</a> Added side mount size limitation notes for Windsong fabrics</p> <p><a href="#">Pg. 9:</a> Updated Option Reference Chart</p> <p><a href="#">Pg. 8:</a> Revised Standard Deductions</p> <p><a href="#">Pg. 10, 11:</a> Updated Mounting depths &amp; hardware for select systems <i>(running change)</i></p> <p><a href="#">Pg. 17:</a> Revised control location notes</p> <p><a href="#">Pg. 20, 21:</a> Added mounting angle notes</p> <p><a href="#">Pg. 23:</a> Added MFF to WS conversion chart reference for SmartFit with Frame</p> <p><a href="#">Pg. 43:</a> Added One Tone notes</p> <p><a href="#">Pg. 44:</a> Added rail color availability notes</p> <p><a href="#">Pg. 45:</a> Added fabric color list and color coordination</p> <p><a href="#">Pg. 49:</a> Updated magnetic hold down availability</p> <p><a href="#">Pg. 50:</a> Updated Cut-out notes</p> <p><a href="#">Pg. 51:</a> Added Mounting plate info Updated operating pole notes; Added shim notes</p>
4/20/2021	<p><a href="#">Pg. 17:</a> Revised control location notes</p> <p><a href="#">Pg. 19:</a> Updated side by side availability</p> <p><a href="#">Pg. 51:</a> Update safety tension device for IM shades</p> <p><a href="#">Pg. 52:</a> Added Shade Operation section</p> <p><a href="#">Pg. 53-54:</a> Updated Fabric Expectations &amp; Product Care section</p>

## Recent Program Highlights

- *SmartFit™ with Frame* (formerly known as *Decoflex™*) ...
  - Now available in Z frames, Deco frames, and Beaded L frame
  - Optional T-posts (up to 3) and sill plates
- *SmartFit™* and *SmartFit™ with Frame* are available in **Day & Night** applications.
- Woven: Windsong collection available in *SmartFit™ Day & Night*, *SmartFit™*, *SmartRelease™*, *Cord Loop*, *Cord Loop TD*, *Corded & Corded TDBU*

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## Features & Benefits

### Features

### Benefits

#### Sleeker, Stronger Headrail

- Light yet extremely sturdy with color coordination to the fabric
- Sleek and space-saving profile
- Resilient components for worry-free operation

#### Unique D-Cell Structure

- Creates perfect pleats for long-lasting beauty
- Remarkable strength even in hot, sunny or humid climates

#### Various Cell Sizes, Light Control Options and Colors

- 3/8" single, 1/2" double, 3/4" single, 3/4" double, 1 1/4" single, and 9/16" Single
- Offered in Sheer, Light Filtering and Room Darkening for light and privacy control
- Flame resistant fabrics and designer prints available
- New!*
- Woven fabrics collections available
- One tone fabrics for the same color on both sides of the shade

#### Child Safe & Flame Resistant

- Cordless lift system provides a safer option
- Patented child and pet safe cord release device
- Flame resistant fabrics available for added peace of mind

**Cordless:** Easy to operate and eliminates cords for added beauty and safety.

**Standard Cord:** Offers smooth and consistent ease of operation.

**Top-Down Bottom-Up (Corded & Cordless):** Adjust your lighting preference and control your privacy level by lowering shades from the top to let in natural light, or raising them from the bottom like a traditional shade.

**SmartFit™:** Tight fit on French doors and sloped windows to minimize light leakage and maximize privacy.

#### Superior Lift Systems

*New!*

**SmartFit™ with Frame:** Framed – Tight fit on French doors or any window minimizing light leakage; now available in more frame styles and t-post options

**Cord Loop:** Features unique clutch system making raising and lowering easier. Available in standard cord loop, Top Down and Day/Night

**SmartRelease™:** Allows the shade to be released or lowered from an upward position with a gentle pull.

**Patio Door Vertical Honeycomb Shades:** Perfect solution for sliding doors or large windows

**Motorization:** RF system; available in Bottom Up, Top Down and Day/Night



# Portrait™ Honeycomb Shades

## Available Lift Systems

### Cordless



SmartRise™ Cordless



Cordless TDBU

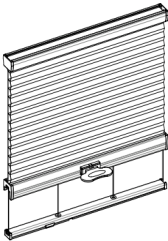


Cordless Day & Night

### SmartFit™ / SmartFit™ with frame



SmartFit™



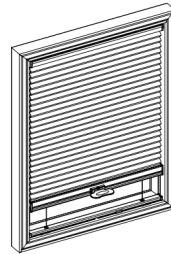
SmartFit™ for  
Sloped Windows



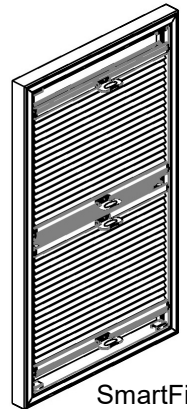
SmartFit™  
Day & Night



SmartFit™ with Frame

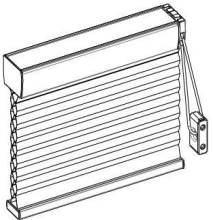


SmartFit™ for Sloped  
Windows with Frame

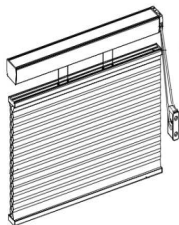


SmartFit™  
with Frame  
Day & Night

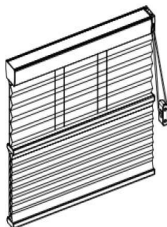
### Cord Loop & SmartRelease™



Cord Loop /  
Cord Loop with  
SmartRelease™

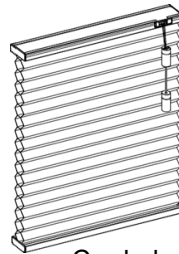


Cord Loop TD

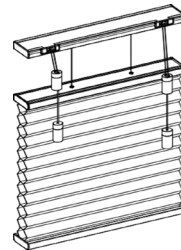


Cord Loop Day & Night

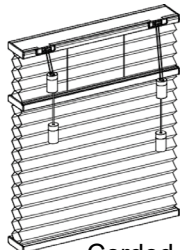
### Corded



Corded

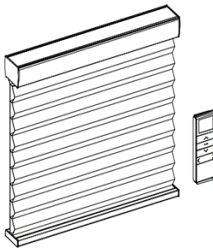


Corded TDBU

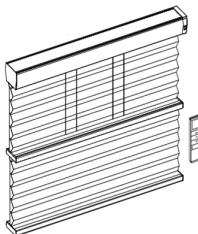


Corded  
Day & Night

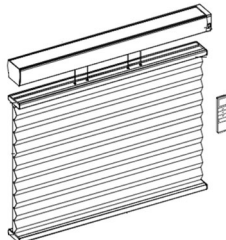
### Motorized



Motorized Bottom Up

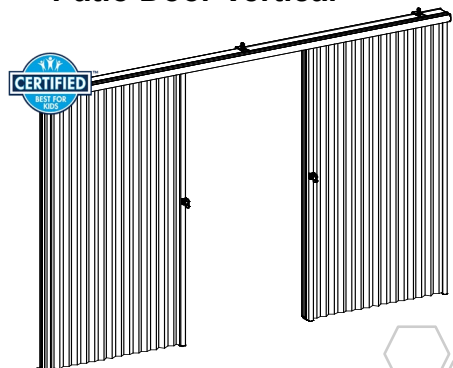


Motorized Top Down



Motorized  
Day & Night

### Patio Door Vertical



Patio Door: Vertical / Vertical Day & Night

# Portrait™ Honeycomb Shades

## Size Considerations

Lift System/Product	Width (Net)		Height		Max Area
	Min	Max	Min	Max	
<b>SmartRise™ Cordless</b> (3/8"S, 9/16"S)	11 ½"	96"	10"	86"	60 SQFT
<b>SmartRise™ Cordless</b> (3/4"S&D, 1/2"D, 1 ¼"S)	11 ½" <sup>1</sup>	120"	10"	120" <sup>1</sup>	100 SQFT
<b>Cordless TDBU</b>	15"	96"	10"	86"	60 SQFT
<b>Cordless Day &amp; Night</b>	15"	96"	10"	86"	60 SQFT
<b>G6 Cordless</b> (Woven)	15 ½"	86"	10"	86" <sup>2</sup>	51.36 SQFT
<b>G6 Cordless TDBU</b> (Woven)	15 ½"	78"	10"	86" <sup>2</sup>	46.58 SQFT
<b>SmartFit™</b> (3/8" S)	8 ½"	50"	6"	86"	30 SQFT
<b>SmartFit™</b> (9/16"S, 3/4" S&D, 1/2"D, 1 ¼"S)	8 ½"	72"	6"	86"	43 SQFT
<b>SmartFit™ Day &amp; Night</b> (3/8" S)	8 ½"	50"	12"	86"	30 SQFT
<b>SmartFit™ Day &amp; Night</b> (9/16"S, 3/4" S&D, 1/2"D, 1 ¼"S)	8 ½"	72"	12"	86"	43 SQFT
<b>SmartFit™ for Sloped Windows</b>	8 ½"	59"	6"	120"	48 SQFT
<b>SmartFit™ with Frame</b> <sup>3</sup>	<a href="#">See SmartFit with Frame Size Limitations.</a>				
<b>SmartFit™ with Frame Day &amp; Night</b> <sup>3</sup>					
<b>SmartFit™ for Sloped Windows with Frame</b> <sup>3</sup>	10 ½"	60 7/8"	7 ¾"	121 ¾"	50.3 SQFT
<b>Cord Loop &amp; SmartRelease™</b>	15"	120" <sup>4</sup>	10"	144" <sup>4</sup>	80 SQFT
<b>Cord Loop TD</b>	24" <sup>5</sup>	120" <sup>4</sup>	10"	144" <sup>4</sup>	80 SQFT
<b>Cord Loop Day &amp; Night</b>	24" <sup>5</sup>	120"	10"	144"	80 SQFT
<b>Cordless</b>	8 ½"	96" <sup>4</sup>	25 ½" <sup>7</sup>	144" <sup>4</sup>	60 SQFT
<b>Cordless TDBU</b>	8 ½"	96" <sup>4</sup>	25 ½" <sup>7</sup>	144" <sup>4</sup>	60 SQFT
<b>Cordless Day &amp; Night</b>	8 ½"	96"	25 ½" <sup>7</sup>	144"	60 SQFT
<b>Motorized Bottom Up</b>	22"	120"	10"	144"	80 SQFT
<b>Motorized Top Down</b>	31" <sup>6</sup>	120"	10"	144"	50 SQFT
<b>Motorized Day &amp; Night</b>	31" <sup>6</sup>	120"	10"	144"	50 SQFT
<b>Patio Door Vertical</b>	30"	146" <sup>8</sup>	24"	120"	121 SQFT
<b>Patio Door Vertical Day &amp; Night</b>	30"	146" <sup>8</sup>	24"	120"	121 SQFT

\*\* Above size limitations are in net width

<sup>1</sup>. When the height is greater than 86", the minimum width is 32 ½".

<sup>2</sup>. Maximum height is 62" for widths 19" or less.

<sup>3</sup>. All SmartFit™ with Frame measurements are maximum frame to frame. See detailed min/max.

<sup>4</sup>. For Windsong fabrics, the max is 86" W x 86" H.

<sup>5</sup>. Minimum width is 30" for heights greater than 72".

<sup>6</sup>. Minimum width is 35" for heights greater than 72".

<sup>7</sup>. For a minimum shade height between 25 ½" and 10", a custom cord length must be specified.

<sup>8</sup>. Note: Patio Door shades with widths over 120" must be shipped via standard shipping.

2 on 1 Shades				
Lift Systems	Min Size	Max Size	Max Area	
Cordless	Width 23 ¼"	120"	100 SQFT per shade	
	Height 10"	120"		
Cord Loop	Width 30 ¼"	120"	80 SQFT per shade	
	Height 10"	144"		
Cordless	Width 17 ¼"	120" (96" max on one of the shades)	60 SQFT per shade	
	Height 25 ½"	144"		
Motorized Bottom Up	Width 44"	120"	80 SQFT per shade	
	Height 10"	144"		

2 on 1 Shades (Woven Fabrics)				
Lift Systems	Min Size	Max Size	Max Area	
G6 Cordless (Breeze & Windsong)	Width 31 ¼"	120" (86" max on one of the shades)	51.36 SQFT per shade	
	Height 10"	86"		
Cord Loop (Windsong)	Width 30 ¼"	120" (86" max on one of the shades)	51.36 SQFT per shade	
	Height 10"	86"		
Cordless (Windsong)	Width 17 ¼"	120" (86" max on one of the shades)	51.36 SQFT per shade	
	Height 25 ½"	86"		

### 2 on 1 Shades

- The 2 on 1 Shade limitations are for the entire unit, but each shade must also follow the above size limitations and exceptions for a single shade.
- Standard ¼" gap spacing between each shade



## Size Considerations - Side Mount Bracket

- **Side mount support brackets** are an option on IM windows. A supporting piece is provided with the installation bracket.
- Available in the following lift systems

Lift System/Product	Width (Net)		Height		Max Area
	Min	Max	Min	Max	
SmartRise™ Cordless (3/8"S, 9/16"S)	11 ½"	37"	10"	86"	22 SQFT
SmartRise™ Cordless (3/4"S&D, 1/2"D, 1 ¼"S)	11 ½" <sup>1</sup>	37"		120" <sup>1</sup>	30.8 SQFT <sup>1</sup>
Cordless TDBU	15"	37"		86"	22 SQFT
Cordless Day & Night					
G6 Cordless (Woven)	15 ½" <sup>2</sup>	37"	10"	86" <sup>2</sup>	22 SQFT
G6 Cordless TDBU (Woven)	15 ½" <sup>2</sup>	37"	10"	86" <sup>2</sup>	22 SQFT
Cord Loop & SmartRelease™	15"	37"	10"	144" <sup>5</sup>	37 SQFT
Cord Loop TD	24" <sup>3</sup>			144"	
Cord Loop Day & Night					
Motorized Bottom Up	22"	37"	10"	144"	37 SQFT
Motorized TD	31" <sup>4</sup>				37 SQFT
Motorized Day & Night					
Patio Door Vertical	30"	37"	24"	120"	30.8 SQFT
Patio Door Vertical Day & Night					

\*\* The above size limitations are in net width. A deduction will be taken on all IM shades.

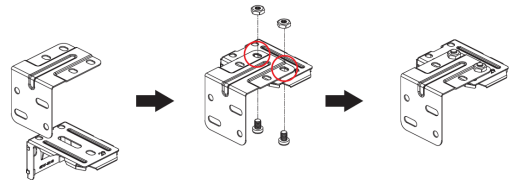
<sup>1</sup>. When the shade height > 86", the minimum order width is 32 1/2".

<sup>2</sup>. When the shade width ≤ 19", the maximum shade height is 62".

<sup>3</sup>. Minimum width for heights > 72" is 30".

<sup>4</sup>. Minimum width for heights > 72" is 35".

<sup>5</sup>. For Windsong fabrics, the max height is 86".



## Minimum Mounting Depth

Lift System: Cell Size	Fully Inside Mount Depth	Semi-Inside Mount Depth
<b>Cordless:</b> 3/8"Single, 3/4"Single, 1/2"Double	2 3/16"	1 5/16"
<b>Cordless:</b> 9/16"Single	1 7/8"	1 1/8"
<b>Cordless / CordlessTDBU / Cordless Day &amp; Night:</b> 3/4"Single, 1 1/4"Single	2 1/2"	1 3/4"
<b>Cordless TDBU / Cordless Day &amp; Night / Cord Loop / Cord Loop TD / Cord Loop Day &amp; Night / SmartRelease / Motorized (all applications):</b> 3/8"Single, 9/16"Single, 3/4"Single, 1/2"Double	2 5/16"	1 9/16"
<b>Cord Loop / Cord Loop TD / Cord Loop Day &amp; Night / SmartRelease / Motorized (all applications):</b> 1 1/4"Single, 3/4"Double	2 1/2"	1 3/4"
<b>G6 Cordless / G6 Cordless TDBU (Woven):</b> 3/4"Single, 1 1/4"Single	2 1/16"	1 3/16"
<b>Vertical, Vertical Day &amp; Night:</b> 3/4"Single, 1 1/4"Single	2 3/16"	1 5/16"

## Standard Deductions

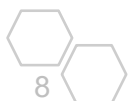
Product	Mount Type	Shade Width(X)		Shade Height(Y)		Alum Light guard length
		Order Width	Tolerance	Order Height	Tolerance	
Cordless	OB	X=Order Width	±1/8"	Y=Order Height	+1/2" ~ +3"	N/A
Cordless TDBU	IB	X=Order Width - 3/8"		Y=Order Height		Order Height - 1/8"
Cordless Day & Night						
G6 Cordless & G6 Cordless TDBU (Woven)						
SmartRelease™	OB	X=Order Width	±1/8"	Y=Order Height	+3/8" ~ +1 1/4"	N/A
Cord Loop	IB	X=Order Width - 3/8"		Y=Order Height		Order Height - 1/8"
Cord Loop TD						
Cord Loop Day & Night						
Motorized Bottom Up						
Motorized Top Down						
Motorized Day & Night						
Corded	OB	X=Order Width	±1/8"	Y=Order Height	+1/4" ~ +3/4"	N/A
Corded TDBU	IB	X=Order Width - 3/8"		Y=Order Height		Order Height - 1/8"
Corded Day & Night						
SmartFit™	IB	X=Order Width – 1/4" (for IB w/o alum light guard)	±1/8"	Y=Order Height	Cords can be adjusted a bit to better fit your window in height	Order Height
SmartFit™ for Sloped Windows		X=Order Width - 3/8" (IB w/ alum light guard)				
SmartFit™ Day & Night	IB	X=Order Width - 3/16" (for IB w/o alum light guard) X=Order Width - 3/8" (IB w/ alum light guard)	±1/8"			
Vertical	OB	X=Order Width	± 1/8"	Y=Order Height - 1/2"	± 1/8"	N/A
Vertical Day & Night	IB	X=Order Width - 3/16"		Y=Order Height - 5/8"		N/A

### Measurement:

- Width: Measure shade from left to right
- Height: When the shade is fully extended, measure from the top of the headrail to the bottom of bottom rail
- For Vertical applications:
  - Width: Measure from the left end cap to the right end cap, along the headrail
  - Height: Measure from the top of headrail to the bottom of vertical rail end cap

### Other Products:

- SmartFit™ with Frame systems** (Max Frame to Frame Size)  
Width: measure from outside left frame to outside right frame.  
Height: measure from top of frame to bottom of frame.
- Vertical & Vertical Day & Night:**  
OB Recommendation: add 4" to opening width and 2" to opening height
- Specialty Shapes:**  
3/16" deduction on each side.  
Tolerance: Shade width and height may vary -1/8" ~1/8".



# Portrait™ Honeycomb Shades

## Option Reference Chart

Lift Systems	Cell Sizes					
	3/8" Single	9/16" Single	1/2" Double	3/4" Single	3/4" Double	1 1/4" Single
SmartRise™ Cordless   Cordless TDBU   Cordless Day & Night	✓	✓	✓	✓	✓	✓
G6 Cordless (Woven)   G6 Cordless TDBU (Woven)	✗ n/a	✗ n/a	✗ n/a	✓	✗ n/a	✓
SmartFit™   SmartFit Day & Night *	✓	✓	✓	✓	IB: ✓	IB: ✓
					OB: ✗ n/a	OB: ✗ n/a
SmartFit™ for Sloped Windows	✓	✗ n/a	✗ n/a	✗ n/a	✗ n/a	✗ n/a
SmartFit™ with Frame   SmartFit™ Day & Night with Frame	✓	✗ n/a	✗ n/a	✗ n/a	✗ n/a	✗ n/a
SmartFit™ with Frame for Sloped Windows	✓	✗ n/a	✗ n/a	✗ n/a	✗ n/a	✗ n/a
Corded, Corded TDBU**, Corded Day & Night**	✓	✓	✓	✓	✓	✓
Cord Loop   SmartRelease™   Cord Loop TD   Cord Loop Day & Night	✓	✓	✓	✓	✓	✓
Motorized	✓	✓	✓	✓	✓	✓
Specialty Shapes	✓	✓	✓	✓	✗ n/a	✗ n/a
Patio Door: Vertical   Day & Night	✗ n/a	✗ n/a	✗ n/a	✓	✗ n/a	✓

\*SmartFit OB / SmartFit D&N OB is not available in large cells (3/4" Double & 1 1/4" Single)

\*\* Corded TDBU & Corded D&N not available for Canada

Fabric Type	Cell Sizes					
	3/8" Single	9/16" Single	1/2" Double	3/4" Single	3/4" Double	1 1/4" Single
Sheer †	✓	✗ n/a †	✗ n/a	✓	✗ n/a	✓
Light Filtering	✓	✓	✓	✓	✓	✓
Room Darkening	✓	✓	✓	✓	✓	✓
Light Filtering – One Tone	✓	✗ n/a	✗ n/a	✓	✗ n/a	✗ n/a
Room Darkening – One Tone	✓	✗ n/a	✗ n/a	✗ n/a	✗ n/a	✗ n/a
Designer Fabric	✓	✗ n/a	✗ n/a	✓	✗ n/a	✓
Flame Resistant	✓	✗ n/a	✗ n/a	✓	✗ n/a	✗ n/a
Woven: <b>Breeze</b> (G6 Cordless, G6 Cordless TDBU)	✗ n/a	✗ n/a	✗ n/a	✓	✗ n/a	✓
Woven: <b>Windsong</b> (G6 Cordless, G6 Cordless TDBU, SmartFit D&N, SmartFit™, SmartRelease™, Cord Loop, Cord Loop TD, Corded & Corded TDBU)	✗ n/a	✗ n/a	✗ n/a	✓	✗ n/a	✓

† 9/16" is not available as a single sheer shade, only as a Day & Night application.

Day & Night Fabric Combinations ‡			Cell Sizes					
	Top Shade	Bottom Shade	3/8" Single	9/16" Single	1/2" Double §	3/4" Single	3/4" Double §	1 1/4" Single
Default	Sheer	Room Darkening	✓	✓	✓	✓	✓	✓
	Sheer	Light Filtering	✓	✓	✓	✓	✓	✓
	Sheer	Designer Fabric	✓	✗ n/a	✗ n/a	✓	✗ n/a	✓
	Room Darkening	Sheer	✓	✓	✓	✓	✓	✓
	Light Filtering	Sheer	✓	✓	✓	✓	✓	✓
	Designer Fabric	Sheer	✓	✗ n/a	✗ n/a	✓	✗ n/a	✓

1. ‡ This table applies to Cordless, Corded, Cord Loop, Motorized and Vertical Day & Night applications.

2. ‡ This table does not apply to SmartFit Day & Night. [See fabric combinations here.](#)

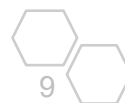
3. FR and Woven fabrics are not available for the above (1.) Day & Night applications.

4. Vertical Day & Night: sheer fabric on Right & non-sheer on Left is the default. The reverse is optional.

5. Top shade and bottom shades must be ordered in the same cell size.

6. § Sheer fabrics are not available in a double cell sizes. The nearest single size will be paired:

- 1/2" D non-sheer fabric paired with a 3/4" S sheer; 3/4" D non-sheer fabric paired with a 1 1/4" S sheer fabric



# Portrait™ Honeycomb Shades

## Mounting Depths

Lift Systems	Installation Bracket	3/8" Single		9/16" Single		1/2" Double		3/4" Single		3/4" Double		1 1/4" Single	
		Inside Mount	Semi-inside Mount	Inside Mount	Semi-inside Mount	Inside Mount	Semi-inside Mount	Inside Mount	Semi-inside Mount	Inside Mount	Semi-inside Mount	Inside Mount	Semi-inside Mount
SmartRise™ Cordless	current	2 1/4"	1 1/2"	1 13/16"	1"	2 1/4"	1 1/2"	2 1/4"	1 1/2"	2 11/16"	1 7/16"	2 11/16"	1 7/16"
	new*	-	1 5/16"	-	-	-	1 5/16"	-	1 5/16"	-	-	-	-
G6 Cordless / G6 Cordless TDBU	current	N/A						2"	1 3/8"	N/A		2 11/16"	1 1/2"
	new*	N/A						2 1/16"	-	N/A		-	-
Cordless TDBU, Cordless Day & Night		2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 11/16"	1 7/16"	2 11/16"	1 7/16"
SmartFit™		1 3/16"	N/A	1 9/16"	N/A	1 7/8"	N/A	1 7/8"	N/A	2 5/8"	N/A	2 5/8"	N/A
SmartFit™ Day & Night		1 3/16"	N/A	1 9/16"	N/A	1 7/8"	N/A	1 7/8"	N/A	2 5/8"	N/A	2 5/8"	N/A
SmartFit™ for Sloped Windows	current	1 1/16"	N/A										
	new*	1 5/16"	N/A										
Cord Loop, SmartRelease™		2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 11/16"	1 7/16"	2 11/16"	1 7/16"
Cord Loop TD, Cord Loop Day & Night		2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 11/16"	1 7/16"	2 11/16"	1 7/16"
Corded, Corded TDBU, Corded Day & Night	current	1 1/16"	1 1/16"	1 3/4"	1 5/16"	2"	1 5/16"	2"	1 5/16"	2 11/16"	1 1/2"	2 11/16"	1 1/2"
	new*	1 5/16"	1 1/8"	-	-	2 1/16"	-	2 1/16"	-	-	-	-	-
Motorized Bottom Up (Battery wand)		3 9/16"	2 5/8"	3 9/16"	2 5/8"	3 9/16"	2 5/8"	3 9/16"	2 5/8"	3 9/16"	2 3/8"	3 9/16"	2 3/8"
Motorized Bottom Up		2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 11/16"	1 7/16"	2 11/16"	1 7/16"
Motorized TD, Motorized Day & Night (Battery wand)		3 9/16"	2 5/8"	3 9/16"	2 5/8"	3 9/16"	2 5/8"	3 9/16"	2 5/8"	3 9/16"	2 3/8"	3 9/16"	2 3/8"
Motorized TD, Motorized Day & Night		2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 1/4"	1 5/16"	2 11/16"	1 7/16"	2 11/16"	1 7/16"
Patio Door Vertical, Patio Door Vertical Day & Night (With Installation Bracket)		N/A						3 1/16"	1 1/2"	N/A		3 1/16"	1 1/2"
Patio Door Vertical, Patio Door Vertical Day & Night (Pre-drill headrail)		N/A						3 1/16"	1 7/16"	N/A		3 1/16"	1 7/16"
Specialty Shapes		1 3/4"	N/A	2 1/8"	N/A	2 5/8"	N/A	2 5/8"	N/A				

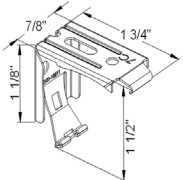
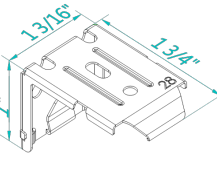
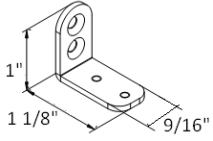
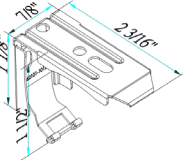
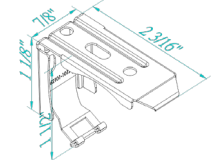
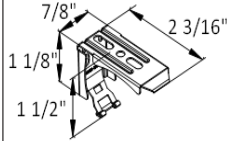
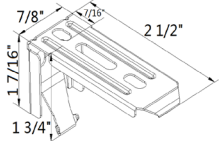
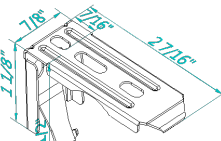
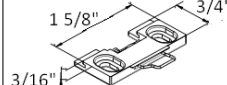
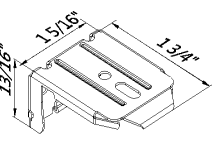
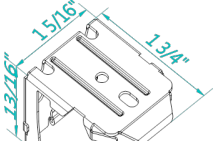
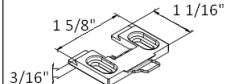
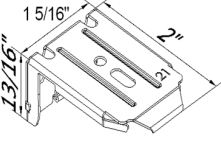
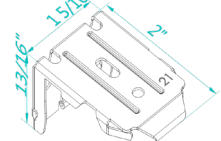
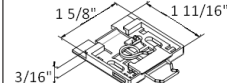
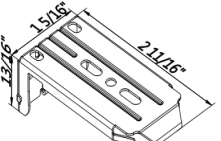
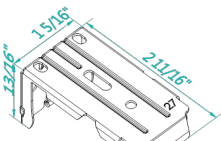
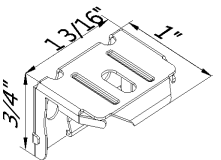
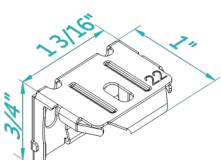
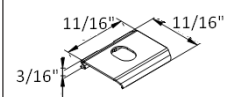
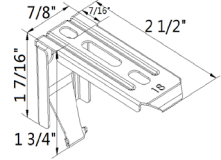
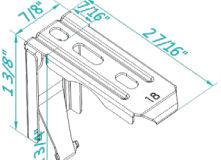
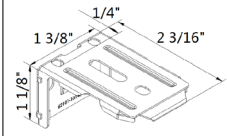
\*The min mounting depth may vary slightly for the systems marked "new", depending on the installation bracket provided. (See Mounting Hardware for new brackets.) The switch from the current bracket to the new one is a running change. **For the same order, only the same style of brackets will be used.**





# Portrait™ Honeycomb Shades

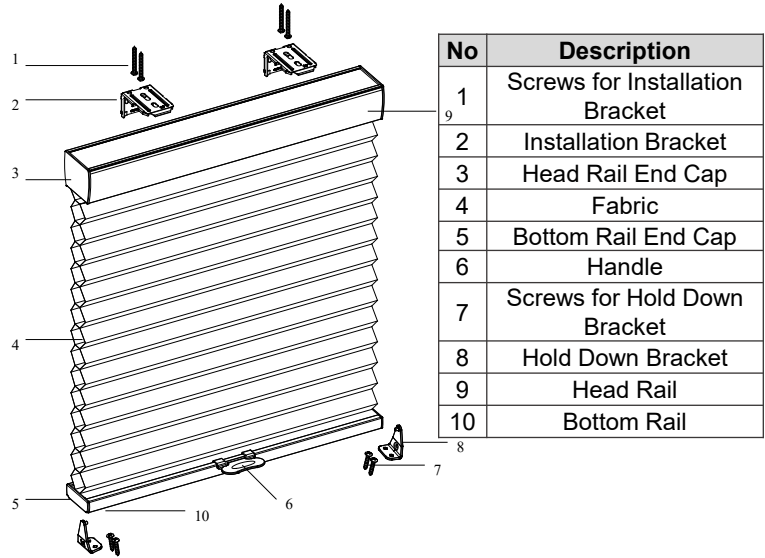
## Mounting Hardware

Lift System	Cell Sizes	Current Bracket	New Bracket (Running Change)	Lift System	Cell Sizes	Bracket
<b>Cordless</b>	9/16"			<b>SmartFit, SmartFit Day &amp; Night</b>	3/8" S 9/16" S 3/4" S 1/2" D 3/4" D 1 1/4" S	
<b>Cordless</b>	3/8" S 3/4" S 1/2" D			<b>Vertical Patio Door, Vertical Day &amp; Night</b>  (Installation Bracket is Optional for IB)	3/4" S 1 1/4" S	
<b>Cordless, Cordless TDBU Cordless Day &amp; Night</b>	3/4" D 1 1/4" S			<b>Specialty Shapes</b>	3/8" S	
<b>Corded</b>	9/16" S				9/16" S	
<b>Corded, Corded TDBU, Corded Day &amp; Night,</b>	1/2" D 3/4" S				1/2" D 3/4" S	
<b>G6 Cordless, G6 Cordless TDBU</b>	3/4" D 1 1/4" S					
<b>Corded, SmartFit For Sloped Windows (Top Headrail)</b>	3/8" S			<b>SmartFit for Sloped Windows (Bottom Rail)</b>	3/8"	
<b>SmartRelease, Cord Loop, Cord Loop TD, Cord Loop Day &amp; Night,  Motorized</b>	3/4" D 1 1/4" S			<b>SmartRelease, Cord Loop, Cord Loop TD, Cord Loop Day &amp; Night,  Motorized</b>	3/8" S 9/16" S 3/4" S 1/2" D	

## Lift Systems - Cordless

### SmartRise™ Cordless (Bottom Up)

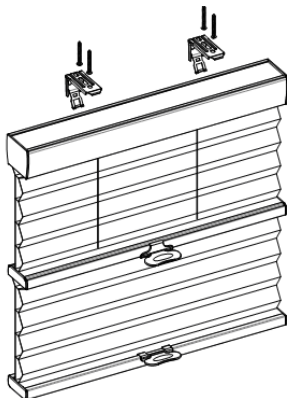
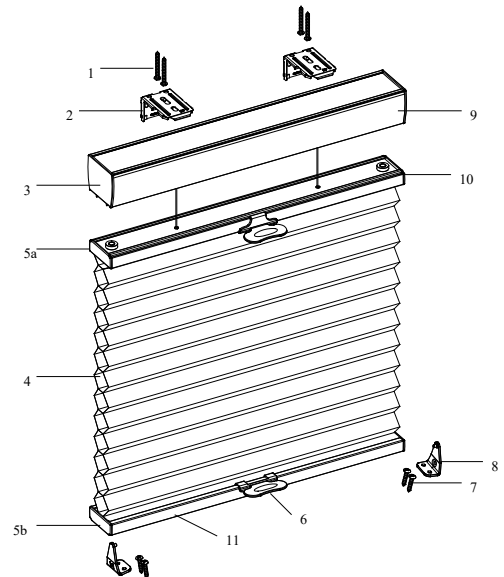
- SmartRise™ Cordless system for precise, smooth and reliable operation . Simply lower and stop at any position to lock your shade in place.
- The perfect solution for homes with children and pets.
- Easy to operate, and eliminates cords for a streamlined appearance.



### Cordless TDBU (Top Down/Bottom Up)

- Adjusts from the top or from the bottom securely.
- No dangling cords for a safer solution.
- Control light and privacy with ease.

No	Description
1	Screws for Installation Bracket
2	Installation Bracket
3	Head Rail End Cap
4	Fabric
5a	Middle Rail End Cap
5b	Bottom Rail End Cap
6	Handle
7	Screws for Hold Down Bracket
8	Hold Down Bracket
9	Head Rail
10	Middle Rail
11	Bottom Rail



### Cordless Day & Night

- Control the amount of light or privacy level by switching between two different fabrics.
- Sheer fabric can be on top (recommended), or bottom.

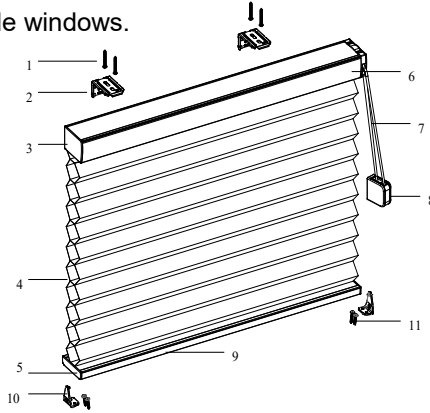
When sheer fabric ordered as the bottom, certain components in the mid rail and bottom rail may become visible through the sheer fabric when the shade is in a lowered position.

- The color of the cord coordinates with the sheer fabric.
- Available in all cell sizes

## Lift Systems – Cord Loop & SmartRelease

### Cord Loop/SmartRelease™

- This option features a clutch that makes raising and lowering extremely wide shade easier.
- The circular cord will remain at the same length no matter which position the shade is raised. The shade can be easily adjusted to any height and will hold its position automatically.
- Covers extra wide windows.

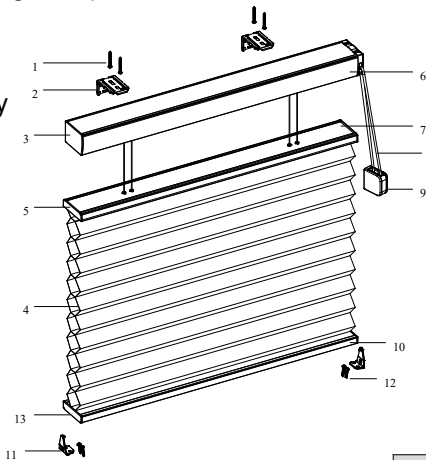


No	Description
1	Screws for Installation Bracket
2	Installation Bracket
3	Head Rail End Cap
4	Fabric
5	Bottom Rail End Cap
6	Head Rail
7	Cord
8	Safety Tension Device
9	Bottom Rail
10	Hold Down Bracket
11	Screws for Hold Down Bracket

SmartRelease™: This **exclusive** and **patent-pending** innovation to cord loop systems allows the shade to be released or lowered from an upward position with a gentle pull.

### Cord Loop TD (Top Down)

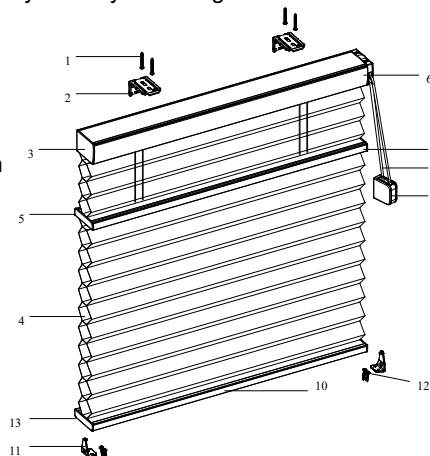
- Convenient light and privacy control by raising and lowering the mid rail.
- Easy to operate cord loop system.
- Covers extra wide windows.



No	Description
1	Screws for Installation Bracket
2	Installation Bracket
3	Head Rail End Cap
4	Fabric
5	Mid Rail End Cap
6	Head Rail
7	Mid rail
8	Cord
9	Safety Tension Device
10	Bottom Rail
11	Hold Down Bracket
12	Screws for Hold Down Bracket
13	Bottom Rail End Cap

### Cord Loop Day & Night

- Control the amount of light or privacy level by switching between two different fabrics.
- Sheer fabric can be on top (recommended), or bottom.  
\*When sheer fabric ordered on the bottom, certain components in the mid rail and bottom rail may become visible through the sheer fabric when the shade is in a lowered position.

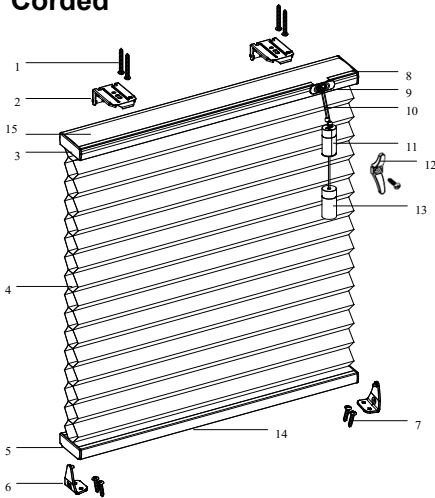


No	Description
1	Screws for Installation Bracket
2	Installation Bracket
3	Head Rail End Cap
4	Fabric
5	Mid Rail End Cap
6	Head Rail
7	Mid rail
8	Cord
9	Safety Tension Device *
10	Bottom Rail
11	Hold Down Bracket
12	Screws for Hold Down Bracket
13	Bottom Rail End Cap

# Portrait™ Honeycomb Shades

## Lift Systems - Corded

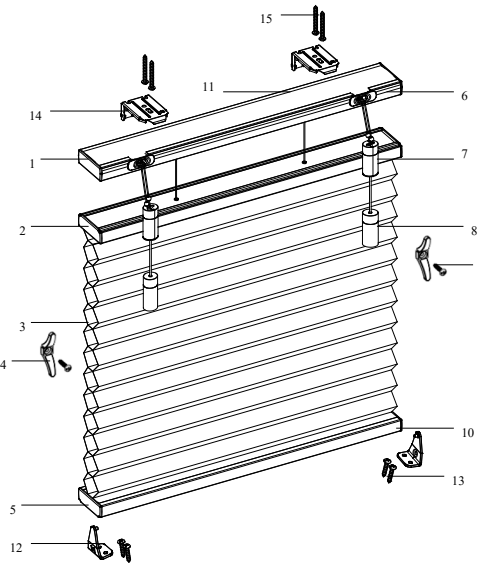
### Corded



No	Description
1	Screws for Installation Bracket
2	Installation Bracket
3	Head Rail End Cap
4	Fabric
5	Bottom Rail End Cap
6	Hold Down Bracket
7	Screws for Hold Down Bracket
8	Head Rail
9	Insta-Lock
10	Cord
11	Ellipse Safety Cord Connector
12	Cord Cleat
13	Ellipse Tassel Assembly
14	Bottom Rail
15	Rail Cover

### Corded TDBU (Top Down/Bottom Up)

- Adjust your privacy level by lowering shades from the top to let in natural light, or raising them from the bottom like a traditional shade.
- The left cord lock controls the bottom-up function, the right cord lock controls the top-down function.

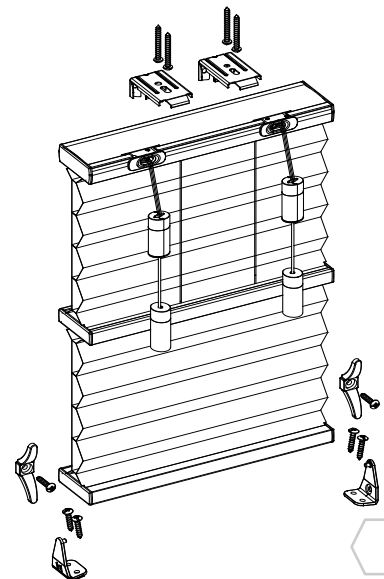


No	Description
1	Head Rail End Cap
2	Mid Rail
3	Fabric
4	Cord Cleat
5	Bottom Rail End Cap
6	Headrail
7	Ellipse Safety Cord Connector
8	Ellipse Tassel Assembly
9	Screws for Cord Cleat
10	Bottom Rail
11	Rail Cover
12	Hold Down Bracket
13	Screws for Hold Down Bracket
14	Installation Bracket
15	Screws for Installation Bracket

### Corded Day & Night

- Control the amount of light or privacy level by switching between two different fabrics.
- Sheer fabric can be on top (recommended), or bottom.
 

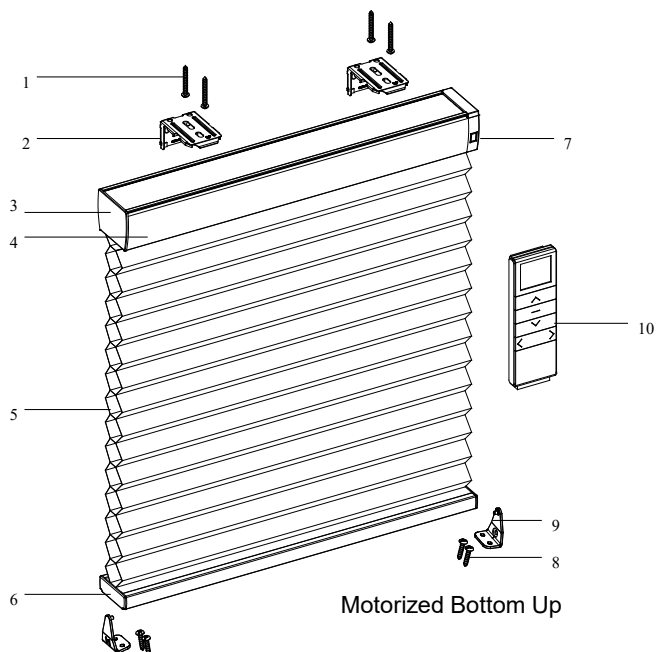
When sheer fabric ordered as the bottom, certain components in the mid rail and bottom rail may become visible through the sheer fabric when the shade is in a lowered position.
- The color of the cord coordinates with the sheer fabric.



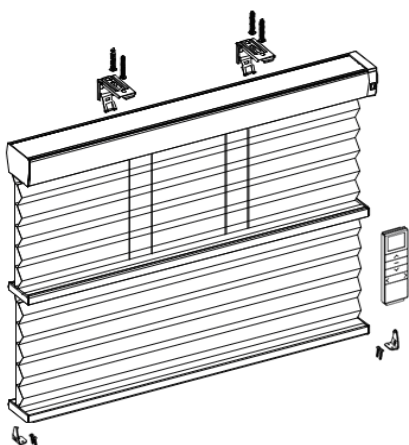
## Lift Systems - Motorization

### Motorization

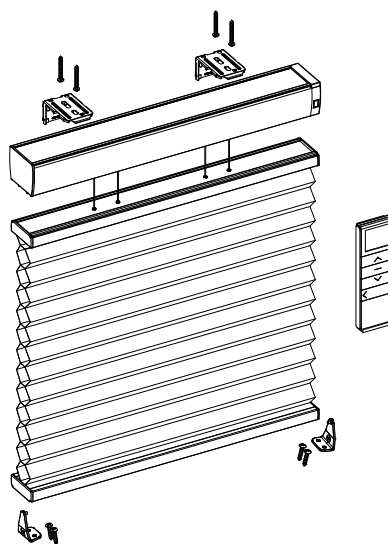
- Radio frequency technology allows you to operate from virtually anywhere in the home
- Operate multiple shades simultaneously or individually
- Available in bottom-up, top down and day & night
- Easy to program and use 15-channel remote control
- Each shade is assigned to its own channel
- Convenient manual switch enables raising and lowering when the remote is not available
- Two power sources to choose from: battery wand, plug in adaptor



No	Description
1	Screws for Installation Bracket
2	Installation Bracket
3	Head Rail End Cap
4	Head Rail
5	Fabric
6	Bottom Rail End Cap
7	Manual Switch
8	Screws for Hold Down Bracket
9	Hold Down Bracket
10	Remote



Motorized Day & Night



Motorized Top Down

## Lift Systems - Motorization

### How to Order your Motorized Shade:


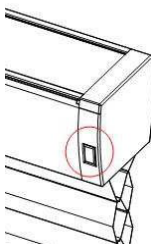


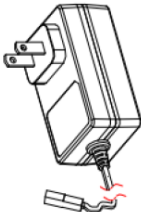
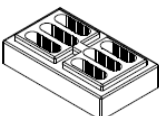
Step 1: Specify fabric cell size & fabric type.

Step 2: Select "Motorization" and specify motor location. Default is right.

Step 3: Specify power source (battery wand\* or AC adaptor).

\*For battery wand, please specify whether to attach it to the headrail or not.

Step 4 : Specify the remote channel (1 to 15- one shade per channel) & the remote quantity.

Remote/Motors		Additional Info	Parts/Options		Additional Info
	Remote control	*Use 1x CR2450 (3V); battery not included		Manual Switch	When the remote is not accessible, the shade can also be operated by the manual control button.  Installed on the headrail end cap, by motor location.
	Battery wand	*Length: 17" *Optional cable extension: 48", 96"  *Diameter: 0.78" *Use 8 x AA batteries (not included) *Cable length: 8"		Battery wand clip	*2 pcs per wand
	AC adaptor	*Cable length: 59"  *Input: 100-240V~ 50/60Hz 0.8A *Output: 12V---2.0A *Dimensions: 2" Wide x 1 3/8" Deep (not including the plug) x 3 1/8" Height *CE certified *RoHS Certified		Shim/Spacer Block	*Optional

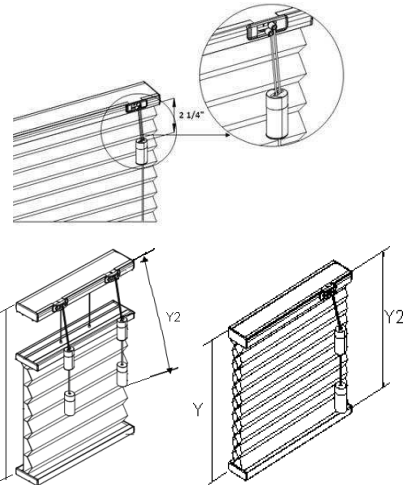


## Control Locations

System	Shade Type	Default	Optional
<b>Cord</b>	Single Shade	Right	Left
	2-on-1	Left shade: Left; Right shade: Right	N/A
<b>Cord Loop, SmartRelease™</b>	Single Shade	Right	Left
	2-on-1 (*not available for SmartRelease™)	Left shade: left Right shade: Right	N/A
<b>Cord Loop TD, Cord Loop Day &amp; Night</b>	Single Shade	Right	Left
<b>Motorized Bottom Up (Motor Position)</b>	Single Shade	Right	Left
	2 on 1	Left shade: left Right shade: Right	N/A
<b>Motorized TD, Motorized Day &amp; Night (Motor Position)</b>	Single Shade	Right	Left
<b>Cord</b>	<p><b>Cord TDBU and Cord Day &amp; Night operates with 2 cords; optional control location not available.</b> The <b>left cord</b> operates the <b>bottom rail</b> (Bottom Up) and the <b>right cord</b> operates the <b>middle rail</b> (Top Down). You must first lower the bottom rail before lowering the middle rail. Likewise, you must first raise the middle rail before raising the bottom rail.</p>		

## Cord

<b>Ellipse Safety Cord Connector Location</b>	The bead is added above the Ellipse Safety Cord Connector. The distance from cord lock under head rail to top of the Ellipse Safety Cord Connector is 2 1/4"
<b>Ellipse Tassel Assembly Location</b>	<p><math>Y2 = Y \times 0.4 - 1"</math> (tolerance: <math>- 9/16" \sim 0"</math>)</p> <p>Y2 means the distance from top of headrail to bottom of Ellipse Tassel Assembly.</p> <p>*The min. custom drop of Y2 is 7 7/8".</p>



## Cord Loop / SmartRelease

Cord Loop Length (Y2)	
Shade Height (Y)	Default Cord Drop
$Y \leq 30"$	16"
$30" < Y \leq 42"$	24"
$42" < Y \leq 54"$	36"
$54" < Y \leq 66"$	48"
$66" < Y \leq 90"$	60"
$Y > 90"$	84"

\*\*Custom Cord Loop length must be at least 6".

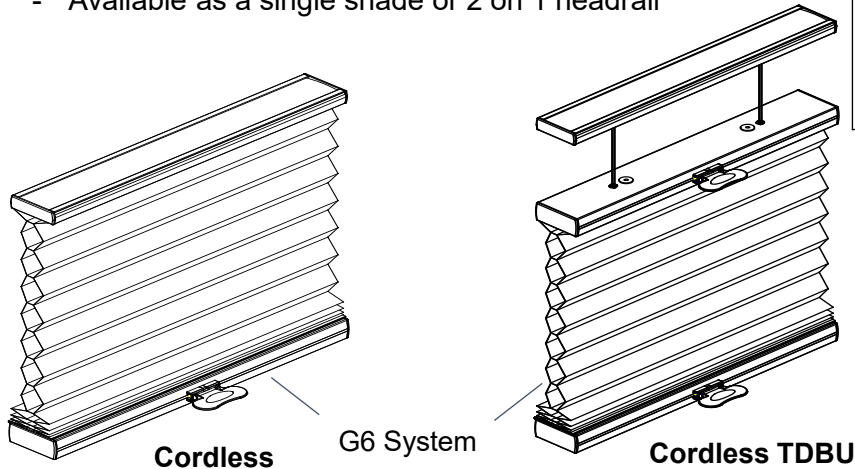
## Lift Systems – G6 Cordless / G6 Cordless TDBU

### G6 for Woven Fabrics

High-design textures and materials specially curated for a new generation of quality, style and luxury.

- Fabric collections: **Windsong & Breeze**
- 3/4" Single & 1 1/4" Single cell only
- Available in Cordless & Cordless TDBU systems
  - Not available as a Day & Night application
- Available as a single shade or 2 on 1 headrail

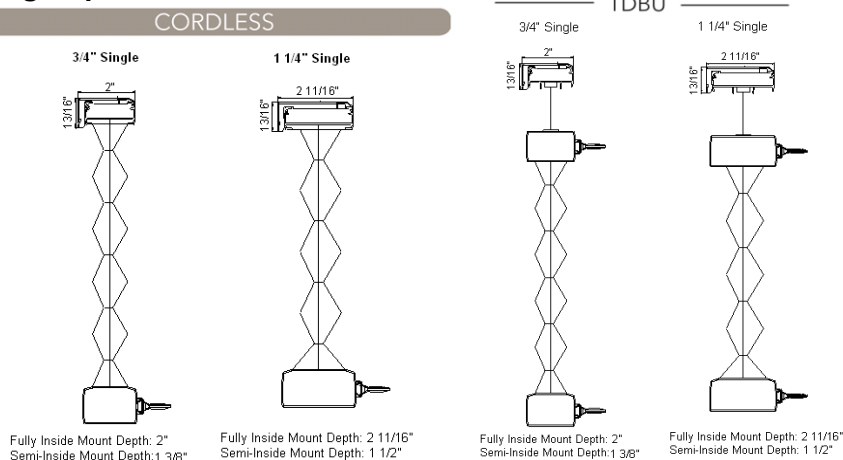
Breeze	F1299	Almond Milk
	F1300	Flax
	F1301	Sand
	F1302	Khaki
	F1303	Dune
Windsong	F0908	Linen Weave
	F1282	Rustica Antique White
	F1283	Coffee
	F1284	Burnt Ember
	F1285	Black Magic



### G6 Operating System

- Shades ordered with our new woven honeycomb fabrics will come in the G6 system where the operating mechanism is housed in the bottom rail and not the headrail.
- Matching Woven fabrics with other Honeycomb Fabrics:  
 Since G6 and SmartRise™ Cordless have notably different rail sizes, the two shades types will look visibly different from each other when placed next to each other. Keep this in mind when ordering woven fabrics with other shades in the same room, or in the same home.

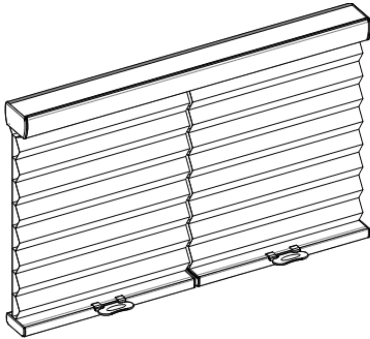
### Minimum Mounting Depth



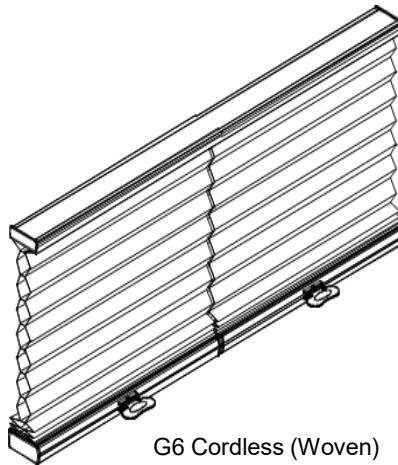
## Lift Systems - 2 on 1 Shades / Side by Side Options

### 2 on 1 Shades

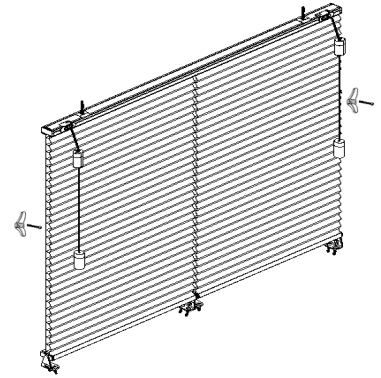
- Two independent working shades, on one headrail for a more uniform and consistent look.
- The control locations will be on the left of the left shade, and right of the right shade- as depicted below. To ensure the long term performance of the shade, the control location cannot be changed for 2-on-1 shades.
- Available in the following lift systems only:



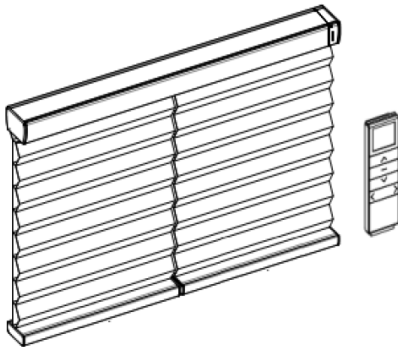
Cordless



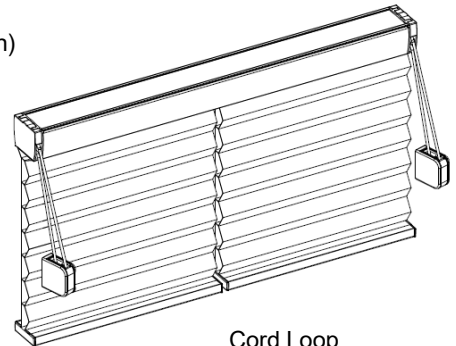
G6 Cordless (Woven)



Cordless



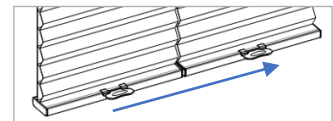
Motorized Bottom Up



Cord Loop

### Side by Side

- When side by side is selected, magnets will be added to ensure rail alignment. Cell alignment or exact shade height at a fully lowered position is not guaranteed.
- Must be identical in:
  - Mount type
  - Lift system
  - Fabric color
  - Shade height
  - Cell size
- Available for all lift systems **except for Motorized applications, SmartFit with Frame applications and SmartFit for Sloped Window applications**

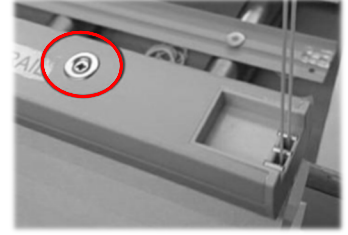


# Portrait™ Honeycomb Shades

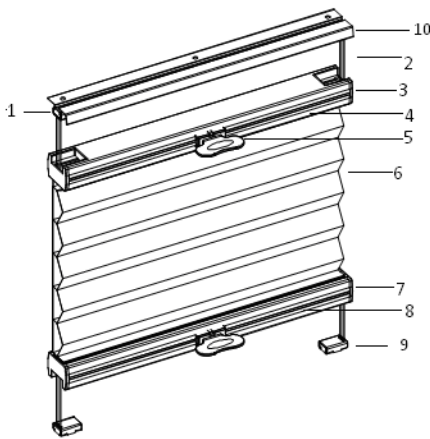
## Lift Systems – SmartFit, SmartFit for Sloped Windows

### SmartFit™

- Adjust your privacy level by lowering the shade from the top to let in natural light or raising the shade from the bottom like a traditional cordless shade.
- No dangling pull cords for enhanced child and pet safety.
- Exclusive concealed cord equalizer housing for a clean look
- Works like cordless TDBU without the cords in the center; inside or outside mount
- Available in all cell sizes
- Suitable for windows up to 15°
- For 3/4" Single & 1/2" Double only: When multiple SmartFit shades for the same window opening are ordered (or specified as **side by side**), magnets will be moved towards the center- not on the ends of the rails. This is to prevent shades from attracting each other.



\*Mounting plate is required for 1 1/4" S & 3/4" D.



No	Description
1	Cord Equalizer Base
2	Inner Cord
3	Headrail End Cap
4	Headrail
5	Handle
6	Blanket
7	Bottom Rail End Cap
8	Bottom Rail
9	Cord Equalizer Housing Cover
10	Mounting Plate

Cell Sizes	Shade Width (X)	Inner Cord* Qty#
3/8" S	X ≤ 50"	2
	X > 50"	3
3/4"S, 1/2"D, 9/16"S	X < 47"	2
	X ≥ 47"	4
3/4"D, 1 1/4"S	All Width	4

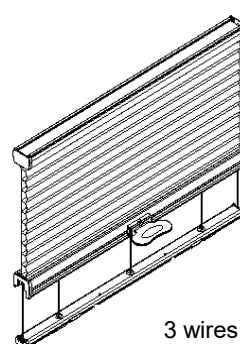
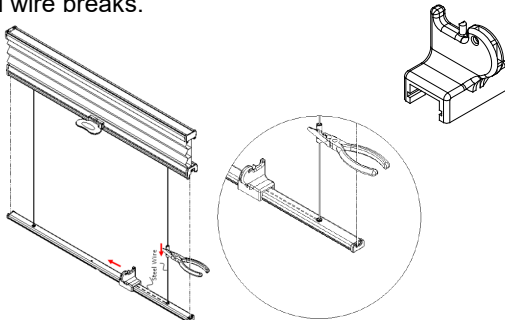
\*The inner cords within the shade may be visible in some sheer fabrics.

### SmartFit™ for Sloped Windows

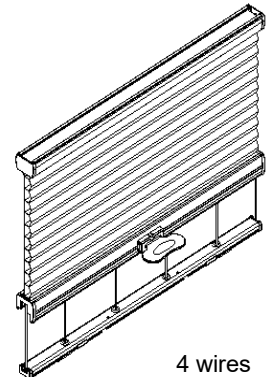
- Available in 3/8" single cell only
- Operates as bottom up
- **Suitable for windows up to 45°~90°**

#### Regulator

- For easier tightening of the steel wires, it is suggested to use a pair of pliers to pull the steel wire towards the bottom rail and then adjust the regulator pin to tighten the steel wire.
- Place a cloth in between the pliers and steel wire in case the steel wire breaks.



3 wires



4 wires

Shade Width (X)	Metal Wire Qty
8.5" ≤ X ≤ 31.5"	2
31.5" < X ≤ 45.25"	3
45.25" < X ≤ 59"	4

## Lift Systems - SmartFit Day & Night, SmartFit Day & Night with Frame

### SmartFit™ Day & Night

- Two individual SmartFit shades that operate independently allowing for more fabric combinations
- Works like cordless TDBU without the cords in the center; inside or outside mount
- Suitable for windows up to 15° in slope
- For 3/4" Single: When multiple SmartFit shades for the same window opening are ordered (or specified as side by side), magnets will be moved towards the center- not on the ends of the rails. This is to prevent shades from attracting each other.
- Suitable for windows up to 15°

#### Fabric combinations

- All fabric types (except FR and Woven: Breeze) can be combined as top or bottom shades; no fabric type defaults.
  - Sheer + RD, LF, Windsong, Designer
  - Or combine same fabric types (LF + LF, etc.)

#### Cell Sizes

- Available in same cell size combinations only.  
Nearest cell size will not be paired together for SmartFit Day & Night
- \*Not available in (OB) large cell sizes: 3/4"D & 1 1/4"S

SmartFit Day & Night Cell Combinations	
Top	Bottom
3/8" Single	3/8" Single
9/16" Single	9/16" Single
3/4" Single	3/4" Single
1/2" Double	1/2" Double
3/4" Double*	3/4" Double*
1 1/4" Single*	1 1/4" Single*



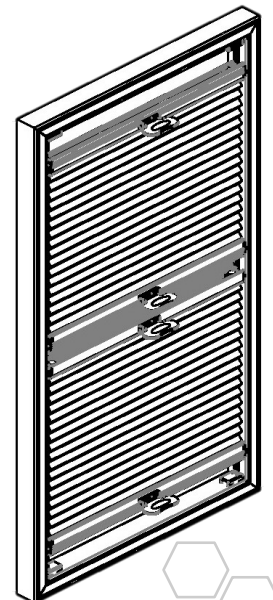
### SmartFit™ Day & Night with Frame

- All fabric types (except FR and all Woven fabrics) can be combined as top or bottom shades available in 3/8" Single cell

SmartFit Day & Night with Frame Cell Combinations	
Top	Bottom
3/8" Single	3/8" Single

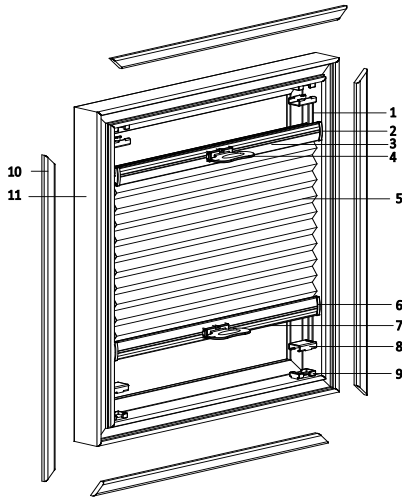
- Each shade between t-posts are still limited to a single SmartFit D&N shade

Lift System/Product	Width (Net)		Height		Max Area
	Min	Max	Min	Max	
SmartFit™ Day & Night (3/8" S)	8 1/2"	50"	12"	86"	43 SQFT



## Lift Systems - SmartFit with Frame

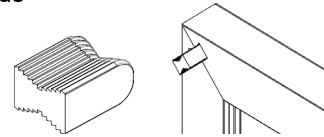
### SmartFit™ with Frame



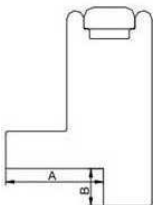
SmartFit™ with Frame  
with Vintage L frame

No	Description
1	Inner Cord
2	End cap for Head rail
3	Headrail
4	Handle
5	Blanket
6	End cap for Bottom rail
7	Bottom rail
8	Cord Equalizer Housing Cover
9	Cord Equalizer Housing Base
10	Insert for L frame
11	L frame/Hang Strip

- Perfect solution for French doors or any window
- Adjusts from the top or from the bottom securely with no dangling cords
- Can be mounted as inside or outside mount
- Available in 3/8" Single cell only
- Featuring a 4-Hoffman Key solution for an easy installation
- Available frame styles:
  - Vintage L Frame with Insert (1/4" Light Block)
  - Vintage L Frame with Insert (3/4" Light Block) – **Only available with notch out option**
  - Vintage Hang Strip with Insert (No Light Block)
  - Beaded L frame
  - 1 1/4" Beaded Z Frame
  - 1 1/2" Bullnose Z Frame
  - 2" Belair Z frame
  - 2" Bullnose Z Frame
  - 3" Crown Z Frame
  - 2" Camber Deco Frame
  - 2" Classic Deco Frame
  - 3" Ridge Deco Frame
- Frames are available as 4-sided frames or 3-sided frames with a sill plate at the bottom
  - Sill plates are optional for Z and Deco frames only.
- T Posts are optional for all frame types.
- Optional Notch out for Vintage L Frame with 3/4" Light Block)



Hoffmann key displayed with L frame



Notch-out size limitation:

$$A \leq 1 \frac{1}{8}"$$

$$B \leq \frac{1}{2}"$$

Notch-out is allowed on the light block area.



## Lift Systems - SmartFit with Frame

### SmartFit™ with Frame

- Only max frame to frame measurements will be accepted
  - Width: measure from the left edge of the left frame to the far right edge of the right frame
  - Height: measure from the top edge of the top frame to the bottom edge of the bottom frame



	Frame to Frame Width				Frame to Frame Height
	NO T-post 1 Shade	1 T-post 2 Shades	2 T-posts 3 Shades	3 T-posts 4 Shades	
Vintage L & Beaded L Frame / Hang Strip					
Min	10 ½"	20"	29 ½"	39"	8"(SmartFit) / 14"(SmartFit DNN)
Max	51 ¾"	102 ¾"	153 ¾"	204 ¾"	87 ¾"
1 ¼" Beaded Z Frame					
Min	11 ¼"	20 ¾"	30 1/4"	39 ¾"	8 ¾" (SmartFit) / 14 ¾" (SmartFit DNN)
Max	52 1/2"	103 1/2"	154 1/2"	205 ½"	88 1/2"
1 ½" Bullnose Z Frame					
Min	11 ¾"	21 1/4"	30 ¾"	40 ¼"	9 1/4" (SmartFit) / 15 1/4" (SmartFit DNN)
Max	53"	104"	155"	206"	89"
2" Camber & Classic Deco Frame / 2" Belair & Bullnose Z Frame					
Min	12 ¾"	22 1/4"	31 ¾"	41 ¼"	10 1/4" (SmartFit) / 16 1/4" (SmartFit DNN)
Max	54"	105"	156"	207"	90"
3" Ridge Deco Frame / 3" Crown Z Frame					
Min	14 ¾"	24 1/4"	33 ¾"	43 ¼"	12 1/4" (SmartFit) / 18 1/4" (SmartFit DNN)
Max	56"	107"	158"	209"	92"

- Each shade between t-posts are still limited to a single SmartFit shade

	Width (Net)		Height		Max Area
	Min	Max	Min	Max	
<b>SmartFit™ (3/8" S)</b>	8 1/2"	50"	6"	86"	30 SQFT

### Conversion Chart

Frame	Frame thickness *	Standard IM Deduction	Conversion Window Size to Max Frame to Frame	
			Inside Mount (IM)	Outside Mount (OM)**
Vintage L Frame with Insert (1/4" Light Block)	7/8" (x2)	zero	MFF = Window Size - customer determined deduction	MFF = Window Size + 1 3/4"
Vintage L Frame with Insert (3/4" Light Block)	7/8" (x2)	zero		
Vintage Hang Strip with Insert (No Light Block)	7/8" (x2)	zero		
Beaded L frame	7/8" (x2)	zero	MFF = Window Size - 1/8" + 6/8" (5/8")	N/A
1 1/4" Beaded Z Frame	3/8" (x2)	1/8"	MFF = Window Size - 1/8" + 1 1/4" (1 1/8")	
1 1/2" Bullnose Z Frame	5/8" (x2)	1/8"	MFF = Window Size - 1/8" + 2 1/4" (2 1/8")	
2" Belair Z Frame	1 1/8" (x2)	1/8"	MFF = Window Size - 1/8" + 2 1/4" (2 1/8")	
2" Bullnose Z Frame	1 1/8" (x2)	1/8"	MFF = Window Size - 1/8" + 4 1/4" (4 1/8")	
3" Crown Z Frame	2 1/8" (x2)	1/8"	N/A	MFF = Window Size + 4"
2" Camber Deco Frame	2" (x2)	N/A		MFF = Window Size + 4"
2" Classic Deco Frame	2" (x2)	N/A		MFF = Window Size + 4"
3" Ridge Deco Frame	3" (x2)	N/A		MFF = Window Size + 6"

\* Z Frames - portion of frame that is outside of the window opening

\*\*Conversion considers light block inside the window opening



## Lift Systems - SmartFit with Frame

### Special Note for calculating max frame to frame measurements for Z frames

Z frames are inside mounted frames. The body of the frame must fit within the window opening with only the outer lip of the frame residing outside of the window. Since the body of the frame must fit within the window opening we recommend taking a 1/16" deduction from each side of the smallest width and smallest height for an overall total of 1/8" to ensure the frame will fit within the opening. If the window is more than 1/4" out of square a larger deduction should be taken.

To calculate the max frame to frame width and height, first measure the window opening and deduct 1/16" from the smallest width and height of each side for an overall total of 1/8". Add the measurements (smallest window sizes minus the 1/8" deduction) to the portion of the Z frame lip that will be mounted outside of the window opening to arrive at the max frame to frame measurements.

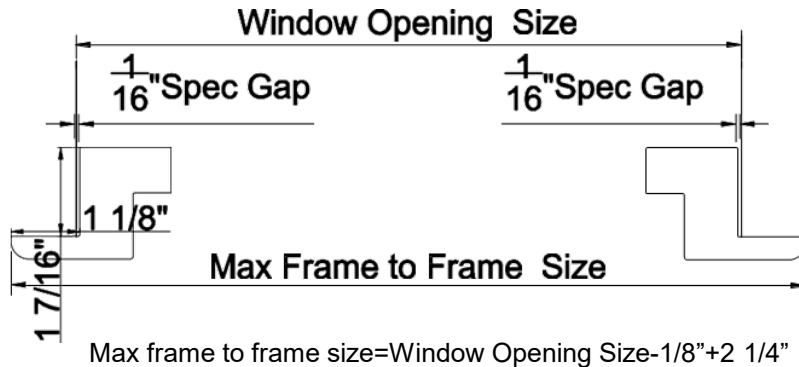
1 1/4" Beaded Z	0.375"
1 1/2" Bullnose	0.625"
2" Belair & Bullnose	1.125"
3" Crown	2.125"

Fractions to decimals	
1/16	0.0625
1/8	0.125
1/4	0.25
3/8	0.375
1/2	0.5
5/8	0.625
3/4	0.75
7/8	0.875

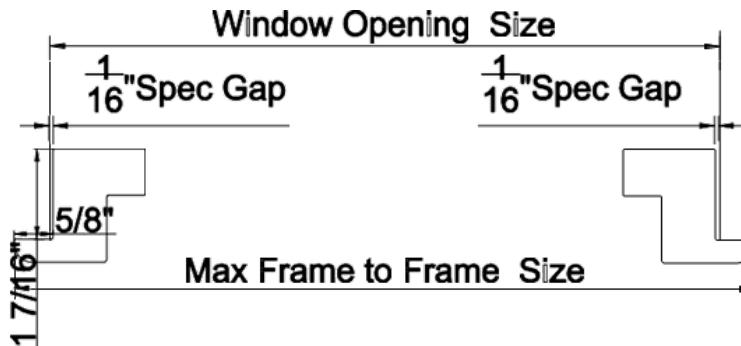
**Example:** For a 36" x 60" window opening using a 2" Bullnose Z frame:

36 - (2 x 0.0625") = 35.875" wide + (2 x 1.125") = 38.125" max frame to frame width  
 60 - (2 x 0.0625") = 59.875" tall + (2 x 1.125") = 62.125" max frame to frame height

### 2" Bullnose Z Frame



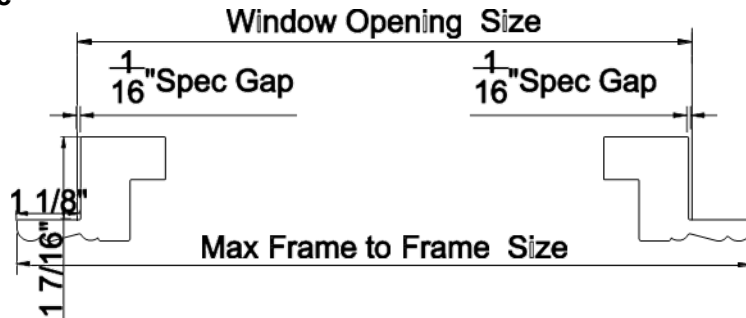
### 1 1/2" Bullnose Z Frame



Max frame to frame size = Window Opening Size - 1/8" + 1 1/4"

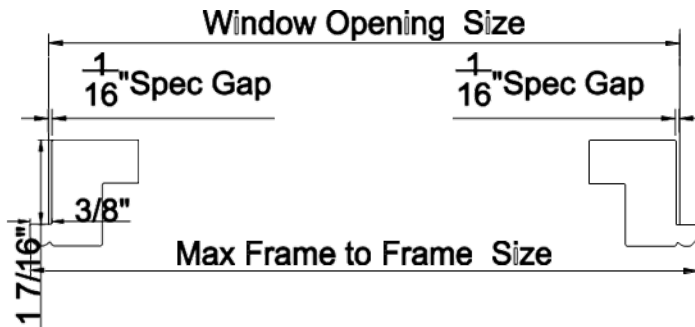
## Lift Systems - SmartFit with Frame

### 2" Belair Z frame



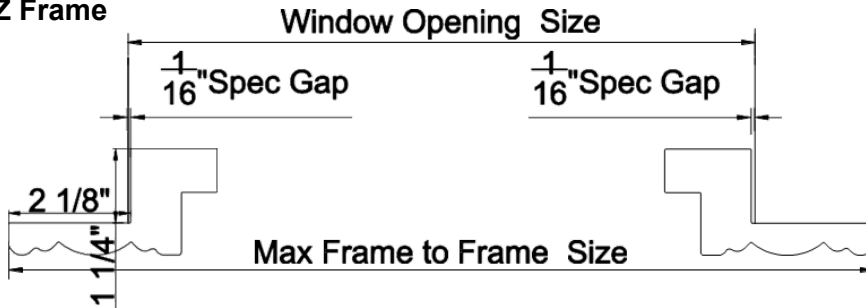
$$\text{Max frame to frame size} = \text{Window Opening Size} - 1/8" + 2 1/4"$$

### 1 1/4" Beaded Z Frame



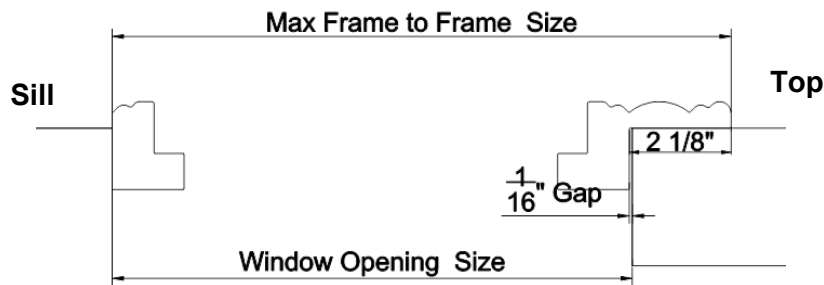
$$\text{Max frame to frame size} = \text{Window Opening Size} - 1/8" + 3/4"$$

### 3" Crown Z Frame



$$\text{Max frame to frame size} = \text{Window Opening Size} - 1/8" + 4 1/4"$$

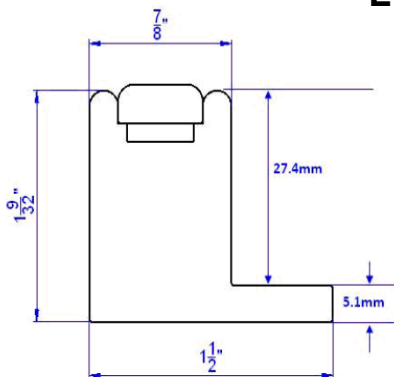
For orders using sill plates, subtract the recommended deductions and add the top lip measurement to the height only.



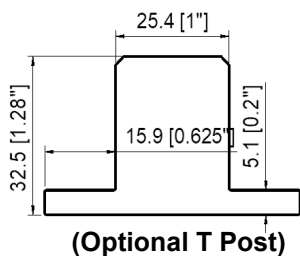
## Lift Systems - SmartFit with Frame

### Frame, and T-Post Options

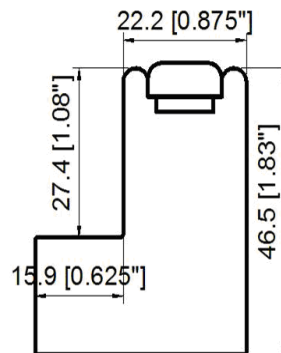
#### L Frames & Hang Strip



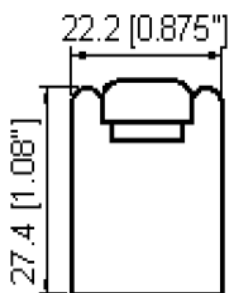
**Vintage L Frame with Insert**  
(1/4" Light Block)



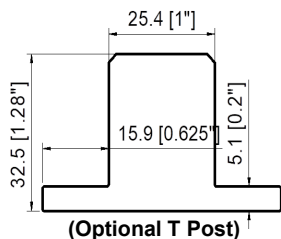
(Optional T Post)



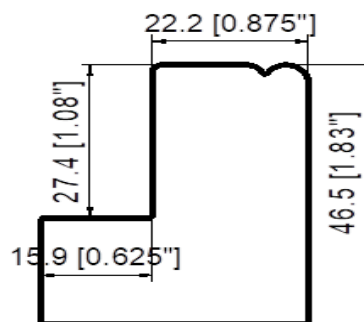
**Vintage L Frame with Insert**  
(3/4" Light Block)  
Available with Notch Out Only



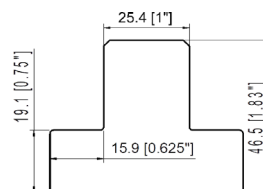
**Vintage Hang Strip**



(Optional T Post)



**Beaded L frame**

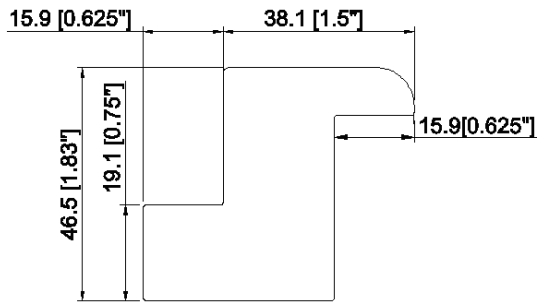


(Optional T Post)

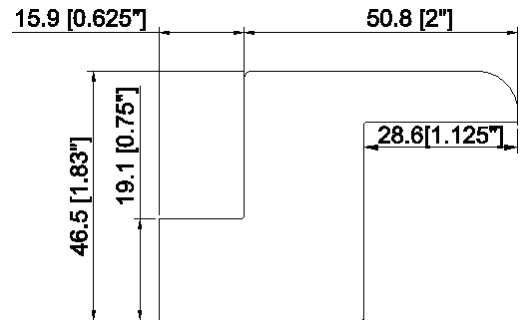
## Lift Systems - SmartFit with Frame

### Frame, T-Post and Sill Plate Options

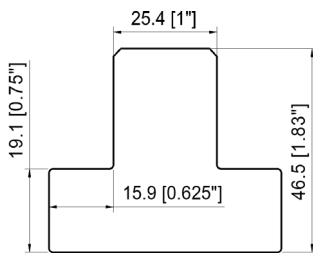
#### Z Frames



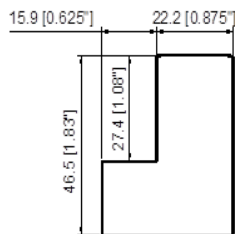
1 1/2" Bullnose Z Frame



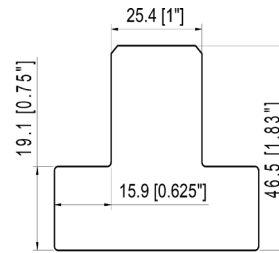
2" Bullnose Z Frame



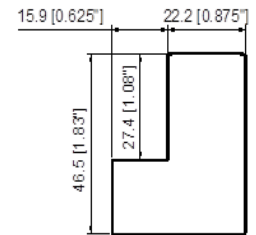
(Optional T Post)



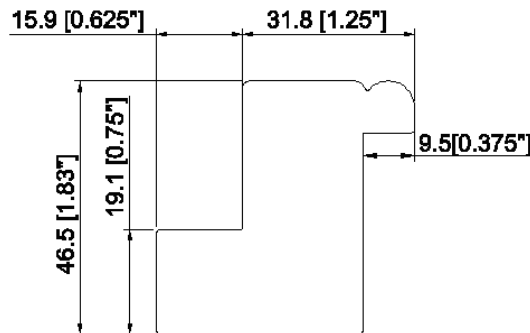
(Optional Sill Plate)



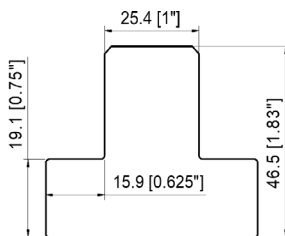
(Optional T Post)



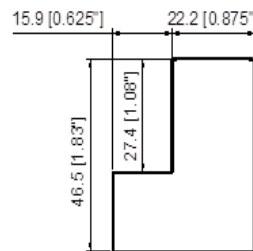
(Optional Sill Plate)



1 1/4" Beaded Z Frame



(Optional T Post)

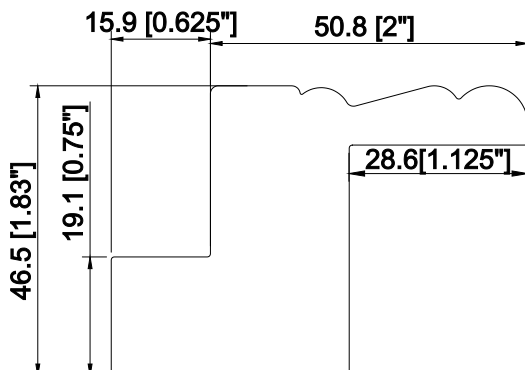


(Optional Sill Plate)

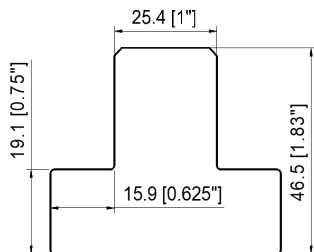
## Lift Systems - SmartFit with Frame

### Frame, T-Post and Sill Plate Options

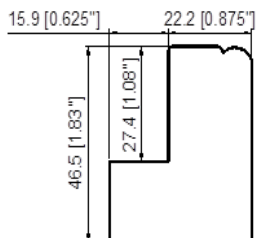
#### Z Frames



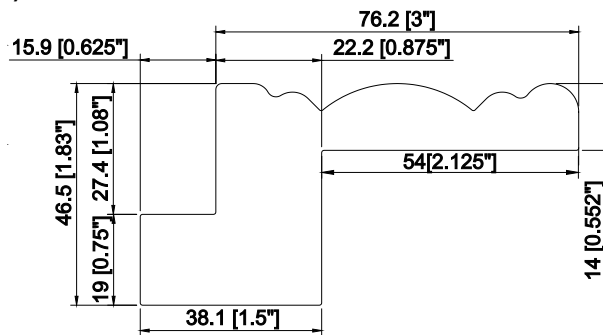
**2" Belair Z Frame**



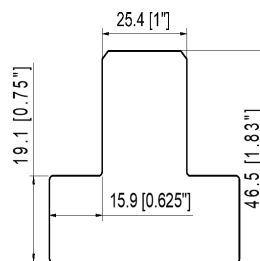
**(Optional T Post)**



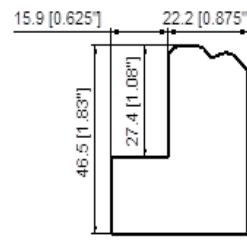
**(Optional Sill Plate)**



**3" Crown Z Frame**



**(Optional T Post)**



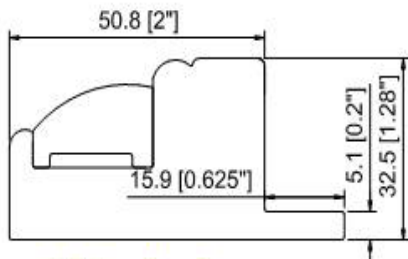
**(Optional Sill Plate)**



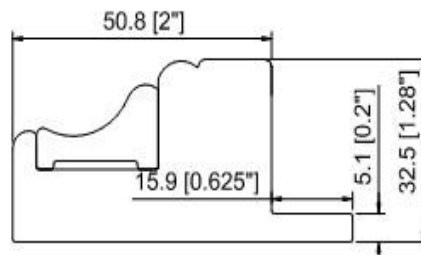
## Lift Systems - SmartFit with Frame

### Frame, T-Post and Sill Plate Options

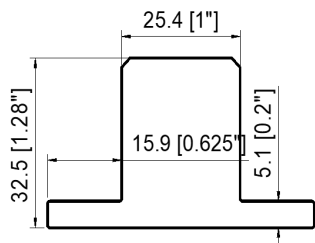
#### Deco Frames



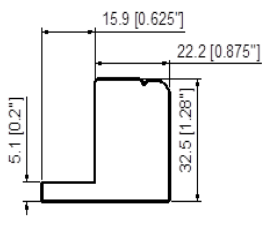
2" Camber Deco Frame



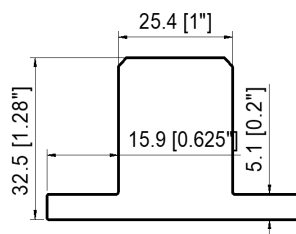
2" Classic Deco Frame



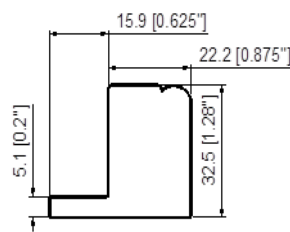
(Optional T Post)



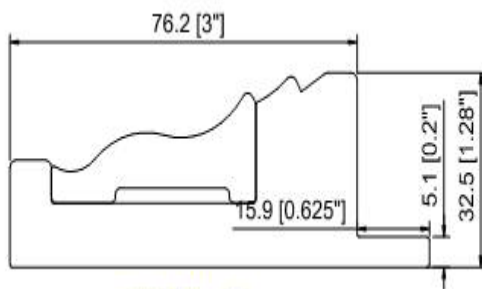
(Optional Sill Plate)



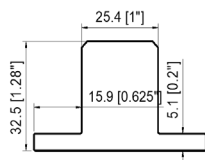
(Optional T Post)



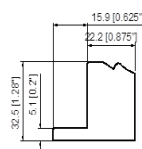
(Optional Sill Plate)



3" Ridge Deco Frame



(Optional T Post)



(Optional Sill Plate)

## Lift Systems - SmartFit with Frame

### T-Post Options

T-posts are a great option for:

- Covering wide windows
- A seamless solution for side by side windows

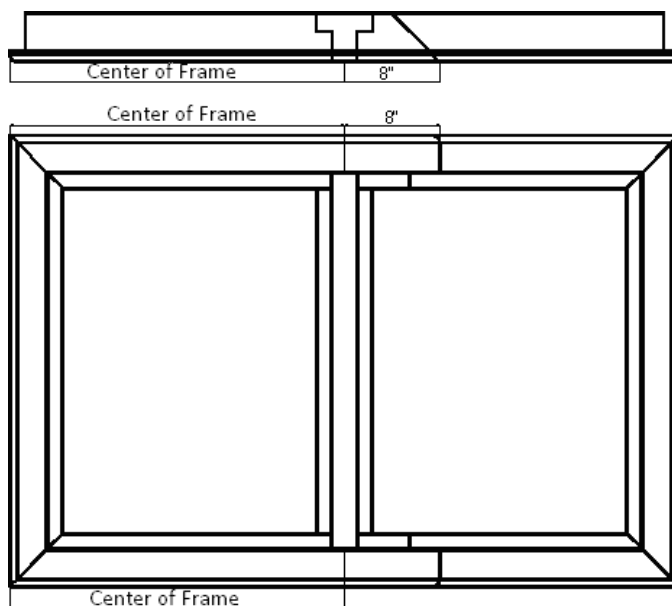
Each frame can have up to 3 T-posts which allows for 4 side by side shades

The Max Frame to Frame width and height for each frame type are outlined below

Frame + T - Post:

For frame (with T post) width > 120", the frame will be split. The split point will avoid the T-post location. Spliced away from the T-post.

Frame Type	Frame Width
ALL	120" < X ≤ 209" (2 pcs)



## Lift Systems - SmartFit with Frame

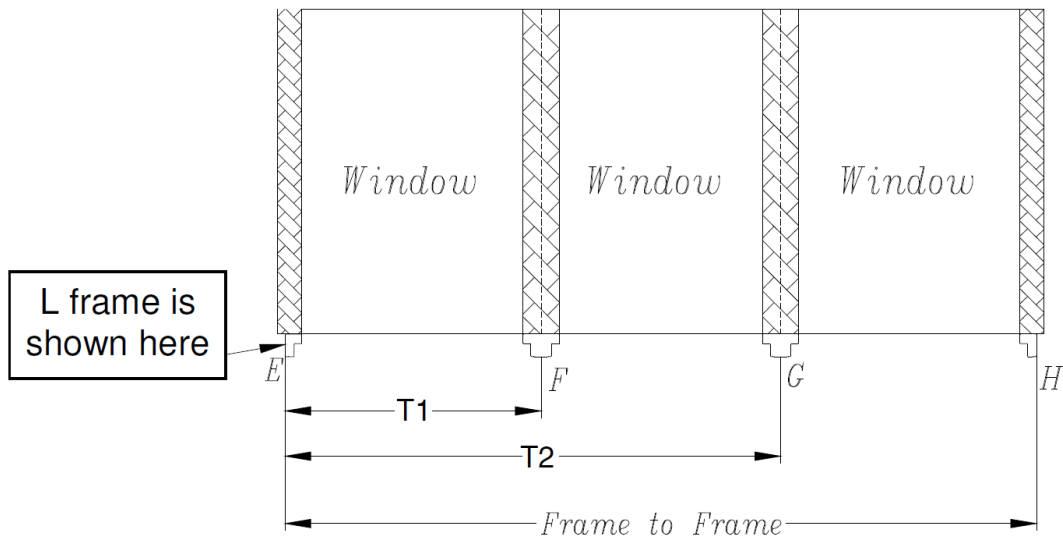
### T-Post Measure Guidelines

T Post can be used to

- Divide a window vertically to match the window design with mullion
- Accommodate wider window opening/window with mullion

#### Measuring T Post location for Max Frame to Frame

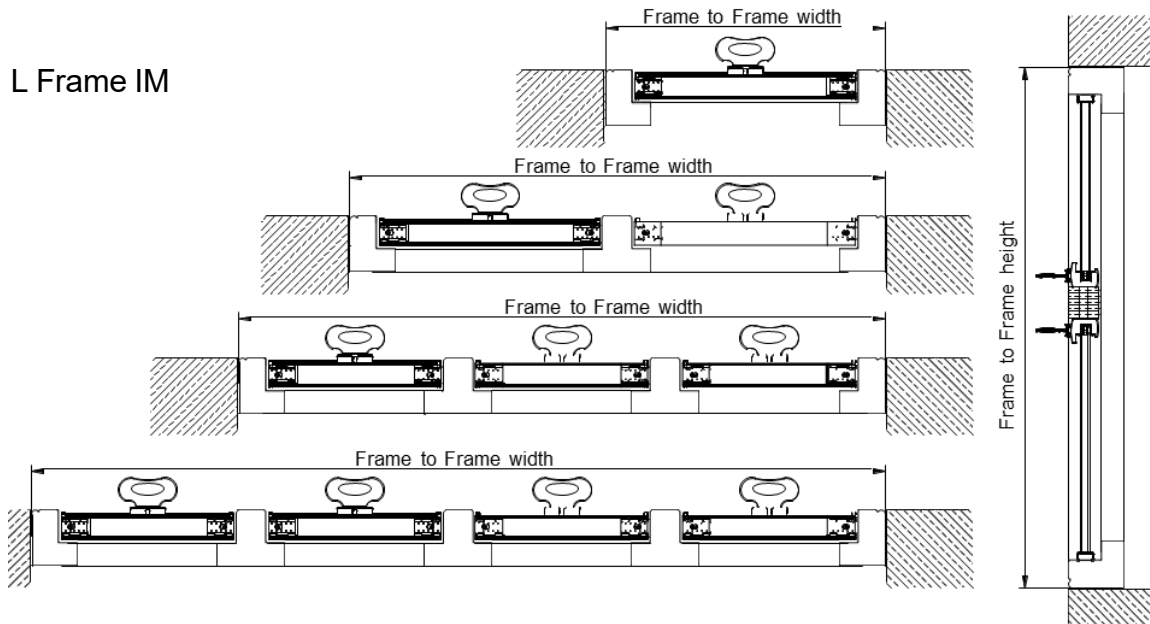
1. T1 = measure point E to point F
2. T2 = measure point E to point G
3. Measure from point E to point H for overall Max Frame to Frame size.



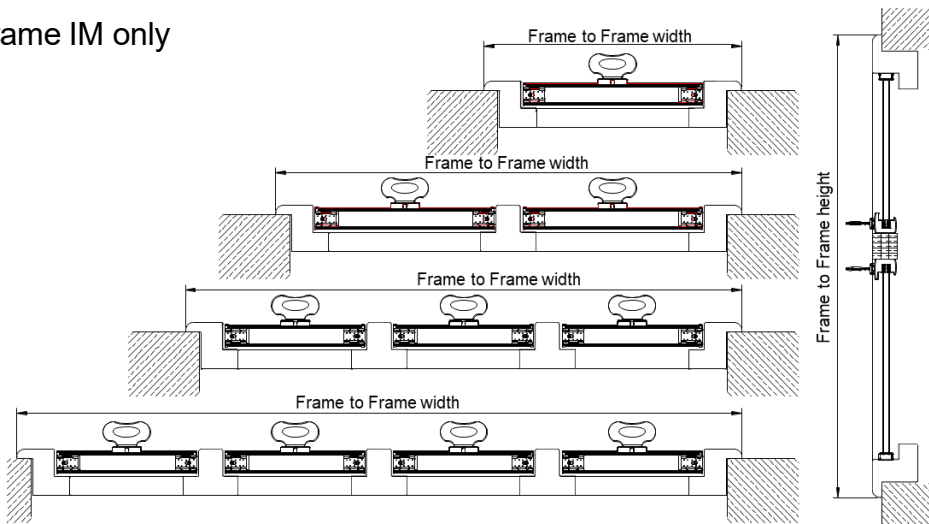
## Lift Systems - SmartFit with Frame

### Max Frame to Frame Size:

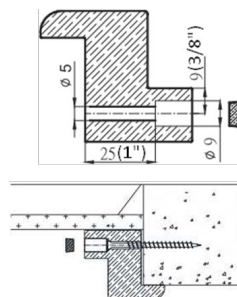
#### L Frame IM



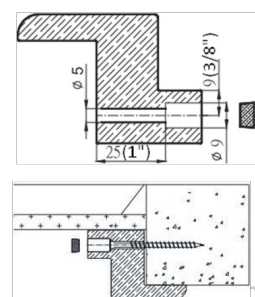
#### Z Frame IM only



- \* The center of the screw hole to the top edge of Z frame is 3/8". The window depth should be enough to avoid the plaster thickness for proper installation.
- \* It's recommended to take 1/16" deduction for each side (1/8" deduction for both sides) from the window to get max frame to frame size for IB.



1.5" Bullnose Z Frame

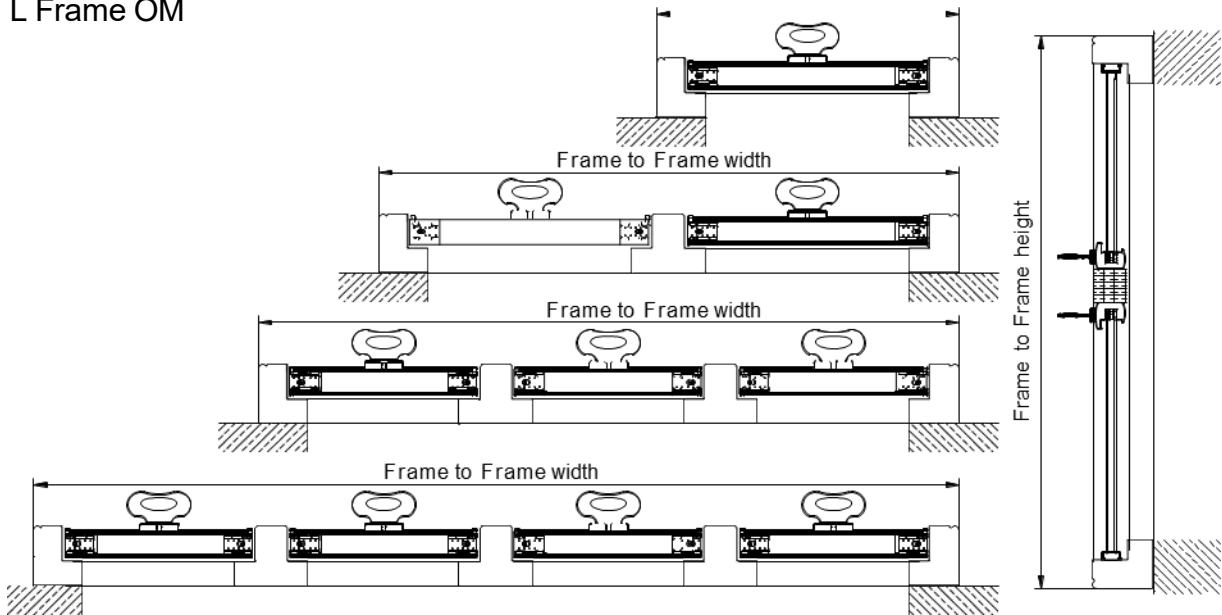


2" Bullnose Z Frame

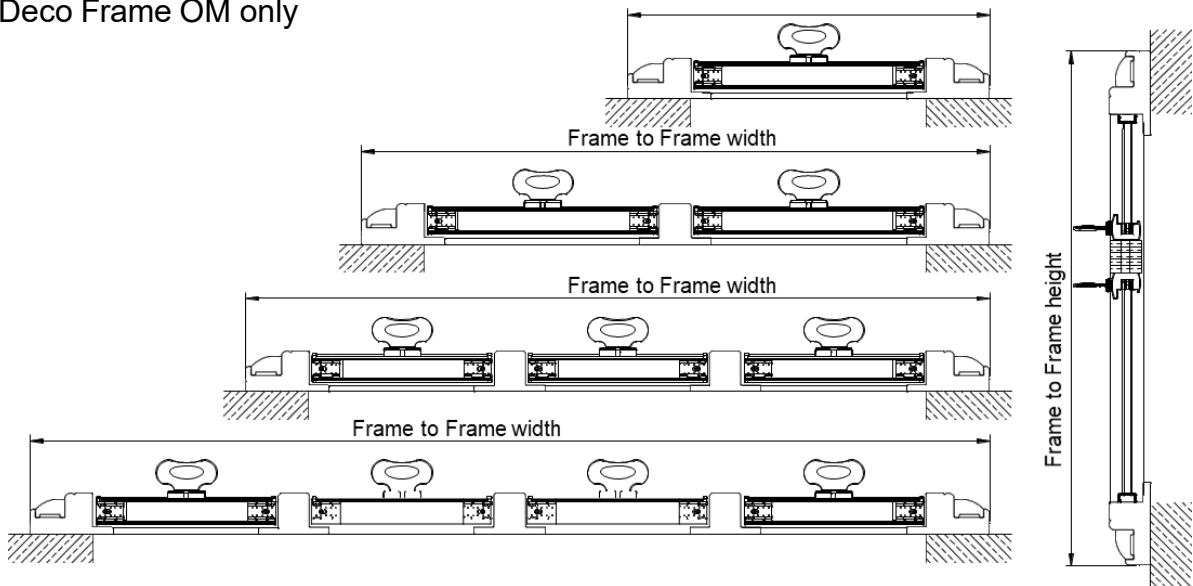
## Lift Systems - SmartFit with Frame

Max Frame to Frame Size:

L Frame OM



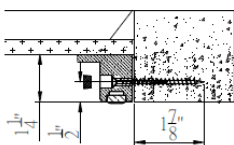
Deco Frame OM only



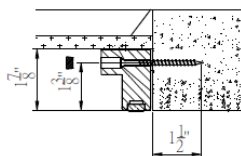
### Inside Mount – L Frame & Hang Strip

#### Measuring for door with or without trim around the glass

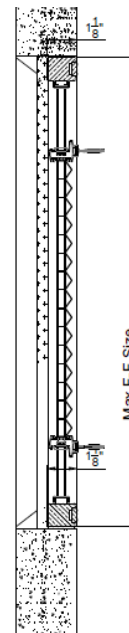
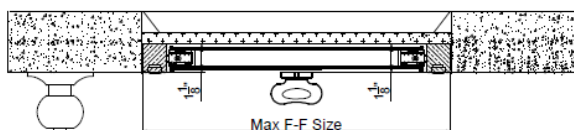
- **Our Recommendation:** take a 1/16" deduction on each side from the window area to get the max frame to frame size.
- Minimum distance of 3/4" is required for installing the L frame.
- L frame thickness:
  - 1 1/4" for 1/4" light block



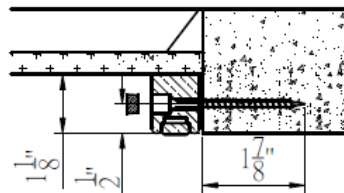
- 1 7/8" for 3/4" light block



Top View



- Hang strip thickness: 7/8".
- The center of screw hole to the top edge of hang strip is 1/2". The window depth should be enough to avoid the plaster thickness for proper installation.
- It's recommended to take 1/16" deduction for each side (1/8" deduction for both sides) from the window to get max frame to frame size for IB.





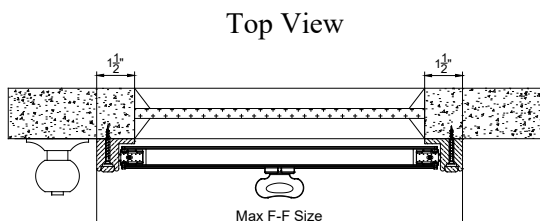
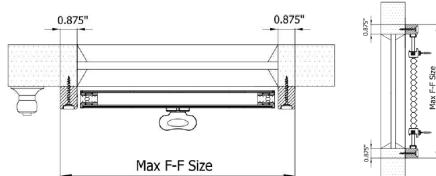
## Lift Systems - SmartFit with Frame

### SmartFit™ with Frame

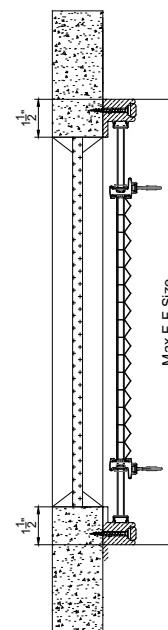
#### Outside Mount

#### Measuring for door with no trim around the glass

- **Our Recommendation:** add 1 1/2" on each side from the glass area to get the max frame to frame size. (With hang strip add 7/8")
- Minimum distance of 3/4" is required for installing the L frame.
- L frame thickness is 1 9/32"



Side View

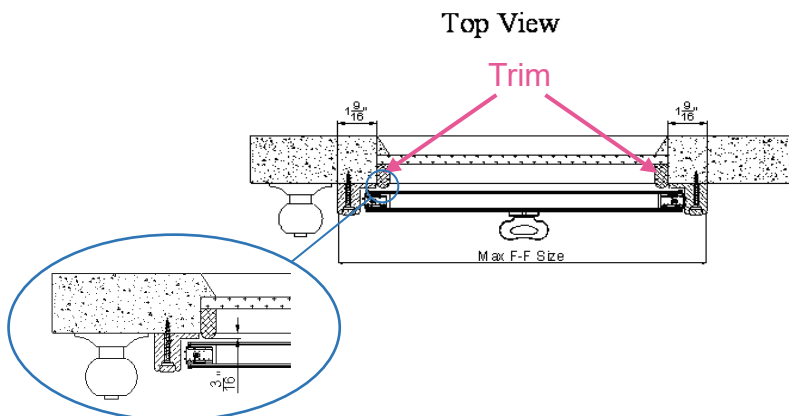


#### Measuring for door with trim around the glass

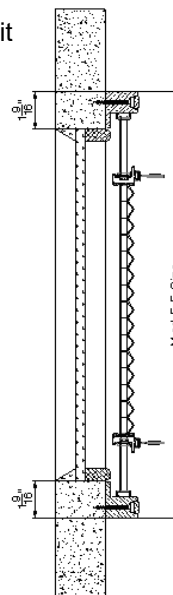
- **Our Recommendation:** add 1 9/16" on each side from the outside trim measurement to get the max frame to frame size.
- Projection of trim should be no more than 3/16"\*

If the projection of the trim is more than 3/16", you will need to:

- Utilize the L frame with the 3/4" light block with Notch Out so the frame rests over the trim.
- Determine the height and depth of the notch out to allow it to sit over the trim (Maximum height 1/2", width 1 1/8").



Side View



## Lift Systems - SmartFit with Frame

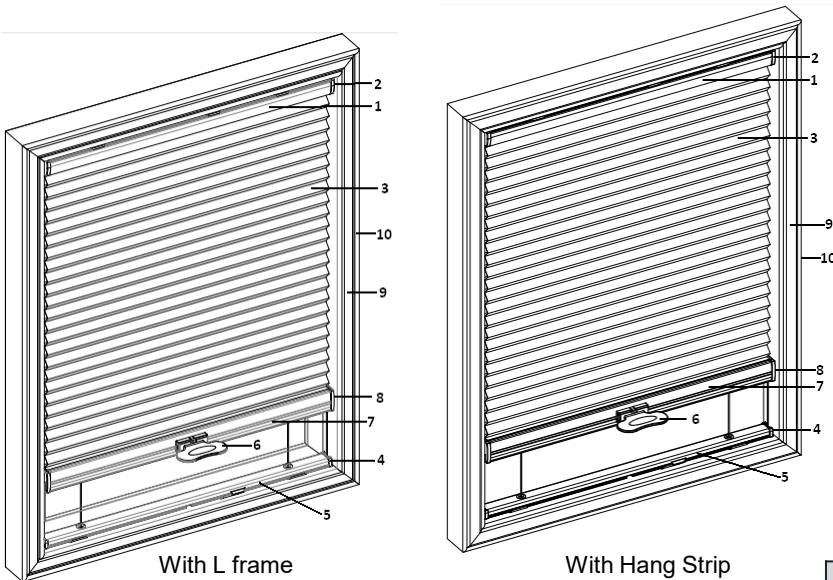
### Pre-Drill Options

Frame Type	Frame	Mounting Type	Pre-drilled	
			IB	OB
L Frames	Vintage L Frame with insert (0.2" light block)	IB & OB	Optional	Yes
	Vintage L Frame with insert (0.75" light block)		Optional	Yes
	Beaded L frame		Optional	No
Hang Strip	Hang Strip		Optional	Yes
Deco Frames	2" Camber Deco Frame	OB	N/A	Yes
	2" Classic Deco Frame		N/A	Yes
	3" Ridge Deco Frame		N/A	Yes
Z Frames	1 ¼" Beaded Z Frame	IB	Optional	N/A
	1 ½" Bullnose Z Frame		Optional	N/A
	2" Belair Z frame		Optional	N/A
	2" Bullnose Z Frame		Optional	N/A
	3" Crown Z Frame		Optional	N/A

## Lift Systems - SmartFit for Sloped Windows with Frame

### SmartFit™ for Sloped Windows with Frame

- Available with Vintage L frame (0.2" & 0.75" light block) and hang strip only
- Perfect solution for skylight windows or sloped windows 15° to 90°
- With decorative frame and brackets pre-attached
- Operates as Bottom Up only
- Can be mounted as inside or outside mount; Available in all 3/8" Single cell only
- For inside mount, pre-drill frame for easy installation is optional. Wood plugs and mounting screws will be supplied when pre-drill option is selected
- For outside mount, frames are pre-drilled by default and includes frame mounting screws



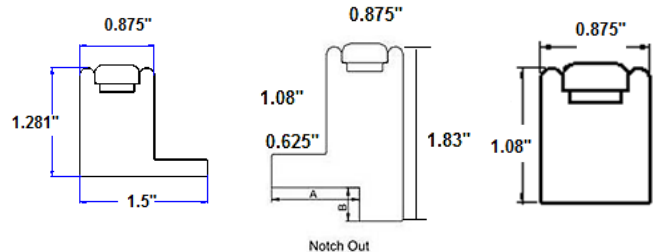
No	Description
1	Head Rail
2	Head Rail End cap
3	Blanket
4	Bottom Rail End cap
5	Bottom Rail
6	Handle
7	Middle Rail
8	Middle Rail End cap
9	Insert for L frame
10	L frame/Hang Strip

### Size Considerations

Max frame to frame	Min	Max	Max Area
Width	10 1/2"	60 7/8"	50.3 SQFT
Height	7 3/4"	121 3/4"	

- Only max frame to frame measurements will be accepted

1. Frame: hard wood; available in 51 Normandy shutter colors. *See previous page for full color list.*
2. Frame: Vintage L frame (1/4" light block & standard with optional notch-out) & Vintage Hang Strip

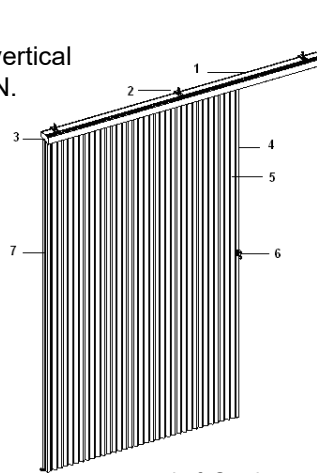
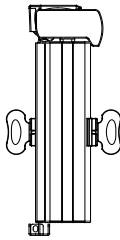


## Lift Systems - Patio Door Vertical Honeycomb

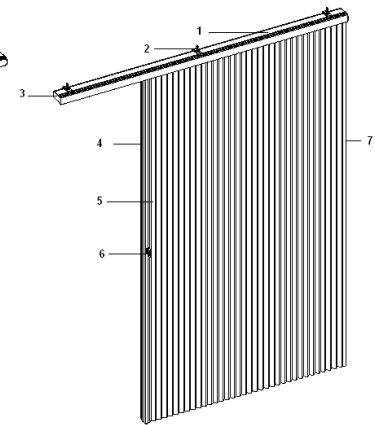
### Patio Door Vertical Honeycomb

- Perfect solution for sliding doors or large windows
- Available in 3/4" Single and 1 1/4" Single cell sizes only
- Stacking configurations:
  - Left Stack
  - Right Stack
  - Traveling Center Stack
  - Center Opening
    - Split evenly
    - Custom Split: Left and right widths can be specified
- Magnetic strips are attached to the center moving vertical rails on Split Stack, Uneven Width and Vertical D&N.
- Handle Options:
  - Default: Handle on the front side of shade only
  - Optional: Handles on both front and back sides

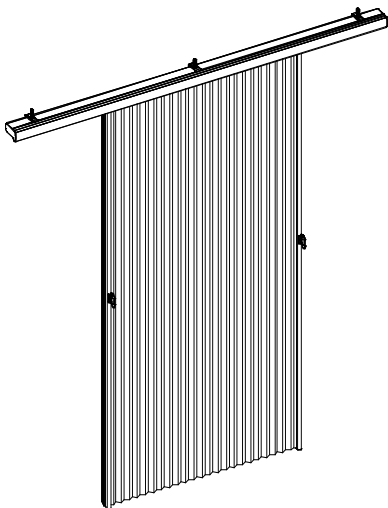
No	Description
1	Headrail
2	Installation bracket
3	Headrail End cap
4	Vertical Rail (Movable)
5	Blanket
6	Handle
7	Vertical Rail (Stationary)



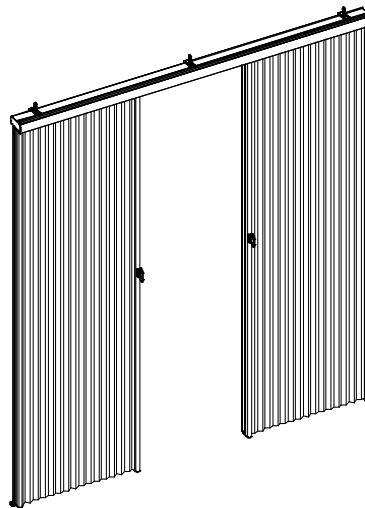
Left Stack



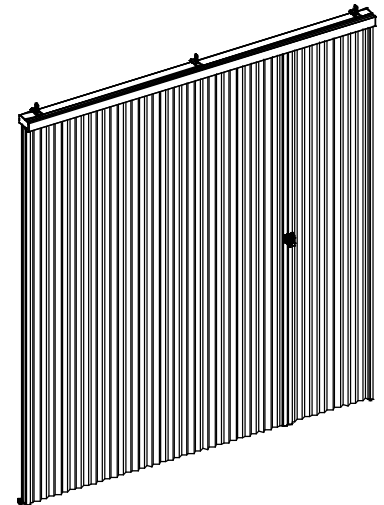
Right Stack



Traveling Center Stack



Center Opening  
(Split Evenly)



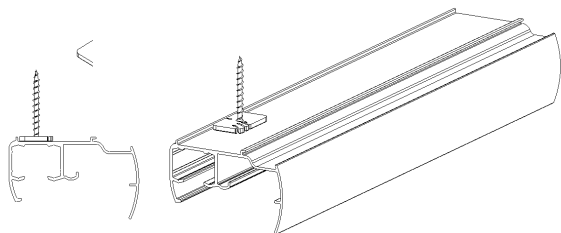
Center Opening  
(Custom Split)

## Lift Systems - Patio Door Vertical Honeycomb

### Patio Door Vertical Honeycomb

#### Mounting & Measuring

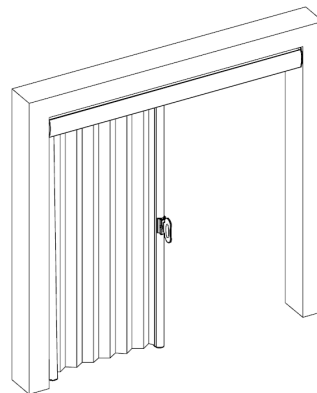
- **Inside Mount:** There are two IM installation methods for Patio Door Vertical. Be sure to specify the one of the following options in your order.
  - **Top-Mount (pre-drilled headrail):** Mounting screws will come pre-drilled through the headrail for a top-mount installation
  - **Installation Bracket:** Traditional bracket installation



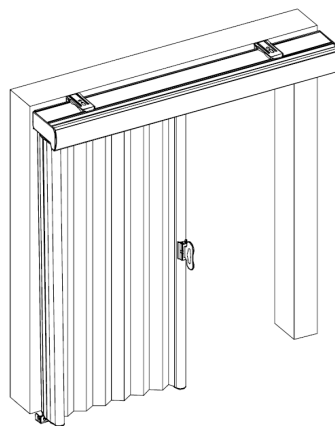
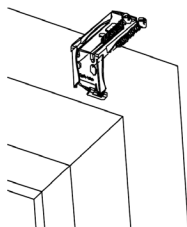
(Top-Mount Pre-Drilled Headrail)



(Installation Brackets)



- **Outside Mount:** Mounting brackets will be provided for wall-mount installation



#### How to Measure for Vertical Honeycomb:

**IB:** Order width & height = window width & height.

**OB:** Add 4" to opening width and 2" to opening height.

#### How to Measure for Custom Split:

**Shade Width:** measure from the left end cap to the right end cap along the headrail.

**Shade Height:** measure from the top of headrail to the bottom of vertical rail end cap.

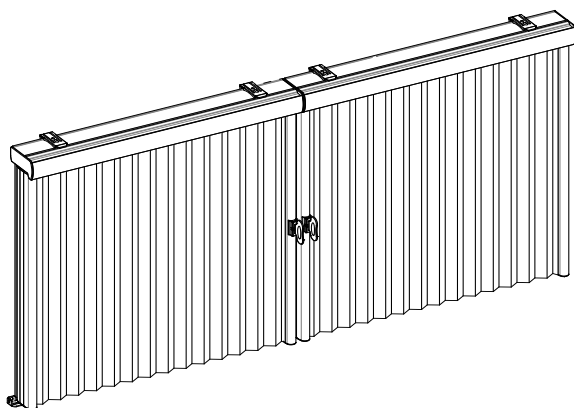
**Left Shade width:** measure from the left headrail end cap to the middle vertical rails joint

**Right Shade width:** measure from the middle vertical rails joint to the right headrail end cap

## Lift Systems - Patio Door Vertical Honeycomb

### Patio Door Vertical Honeycomb: Butt together

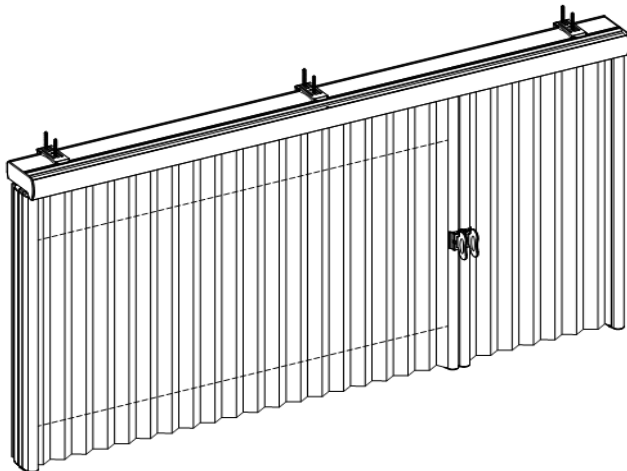
- Side by side butt option
- Both shades must have the same order height
- Stacking configurations: left shade must be Left Stack, and right shade must be Right Stack
- Mount options:
  - Available in IM and OM
  - Note: Shades that will be butt together must be the same mount type
- “Thicker” magnet strips are included in the center of each side of the moving rails to avoid any light gaps



Thicker Magnet Strip  
(4mm)

### Patio Door Vertical Day & Night

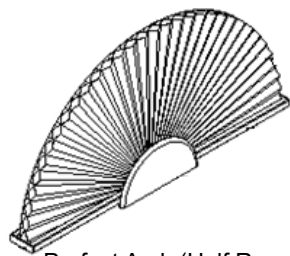
- Select a Sheer fabric on one side, and a Light-Filtering or Room Darkening fabric on the other side
- Stacking Configuration: Center Opening only
  - Left shade and right shade stack side by side, butt together
- Available in 3/4" Single and 1 1/4" Single cell sizes
- Sheer fabric is the default on the left shade. Optional on the right shade



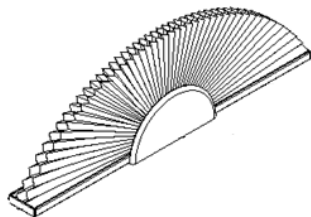
Magnet Strip  
(1.5mm)



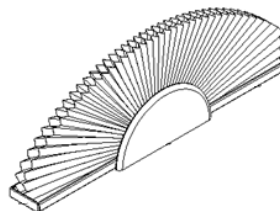
## Lift Systems - Specialty Shapes



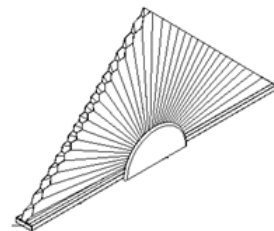
Perfect Arch (Half Round)



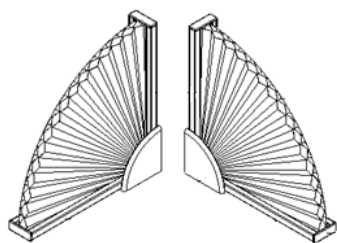
Eyebrow



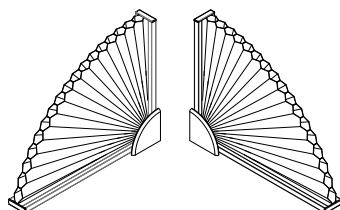
Elongated Eyebrow



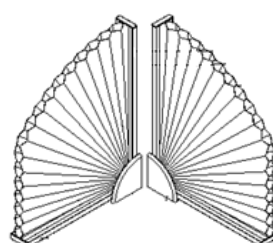
Triangle



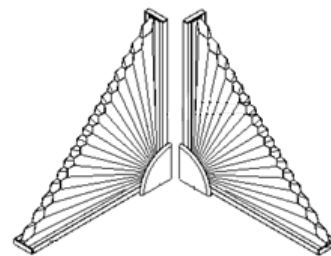
Quarter Round Left & Right



Half Eyebrow Left & Right



Arch on Top Left & Right



Angle Top Left & Right

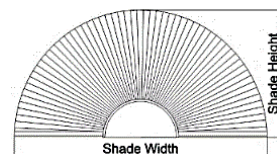
**Honeycomb Specialty Shapes are only available in the above 8 shapes. We do not accept templates.**

All specialty shapes are:

- IB only
- non-operable shades

### Size Limitations

1. Perfect Arches: height must be half of the width
2. Eyebrows:
  - Both leg heights must be equal
  - Shade height must be less than half of the shade width
3. Elongated eyebrows:
  - Both leg heights must be equal
  - Minimum leg height: 1"; but less than shade height
  - The shade height minus leg height must be:
    - 5" or more
    - Less than or equal to half of the shade's width
4. Quarter Rounds: width and height must be equal.
5. Arch on Top:
  - Minimum leg height: 1", but less than shade height
  - The shade height minus leg height must be:
    - 5" or more
    - Less than or equal to the shade's width
6. Angle Tops: Width and height do not need to meet a certain ratio; just needs to be within the size limitation.
7. Half Eyebrow: shade height must be less than shade width








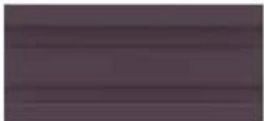












Shade		Min Size	Max Size
Perfect Arch, Eyebrow, Elongated Eyebrow	Width	10"	96"
	Height	5"	48"
Quarter Round, Angle Top, Arch on Top, Half Eyebrow (L or R)	Width	5"	48"
	Height	5"	48"
Triangle	Width	10"	96"
	Height	5"	48"

\*The above limitations are net sizes, not order sizes.

## Headrail Colors

Default rail colors are assigned by fabric color (refer to the color list or Appendix). Color override is available; select from a variety of the following rail colors, depending on the honeycomb system chosen:

- All 18 default/optional rail colors are available for most applications and sizes
  - 9 default/optional rail colors available for all 9/6" cell sizes ( ^ )
  - 4 default/optional rail colors for G6 Cordless, G6 Cordless TDBU ( ^ )
  - 3 default/optional rail colors for Patio Door Vertica, Vertical Day & Night and SmartFit for Sloped Windows ( ^ )

	Color Name	Color Code		Color Name	Color Code	
		Agave 3715			Indigo 3716	^
^		Black Ink 3212			Nature 3579	^ ^ ^
^		Celery 3613			Plum Purple 3475	
^		Chocolate 3463			Sahara 3578	^
		Cinnamon 3476			Sand 3582	
^		Cottage White 3094			Silver 3129	^ ^ ^
		Cream 3577			Sky 3722	
		Fern 3616			Terra 3334	^
		Ginger Spice 3335			White 3058	^ ^ ^

## Fabric List / Color Coordination

No.	Fabric Type	Fabric Color Code	Fabric Color Name	Available Cell Size								Default Rail Color*
				One Tone 3/8" 3/4" Single Single	3/8" Single	9/16" Single	1/2" Double	3/4" Single	3/4" Double	1 1/4" Single		
1	Sheer	C5004	Cloud White		✓	✓		✓		✓	3058 White	
2	Sheer	C5001	Seapearl		✓	✓		✓		✓	3058 White	
3	Sheer	C5002	Cloudy Chiffon		✓	✓		✓		✓	3579 Nature	
4	Sheer	C5501	Jersey Cream		✓	✓		✓		✓	3094 Cottage White	
5	Sheer	C5003	Chardonnay		✓	✓		✓		✓	3613 Celery	
6	Sheer	C5502	Sierra Hills		✓	✓		✓		✓	3578 Sahara	
7	Sheer	C5201	Nightfall		✓	✓		✓		✓	3212 Black Ink	
8	Light Filtering	C2001	Bright White					✓	✓	✓	3058 White	
9	Light Filtering	C2002	Marshmallow	✓				✓	✓	✓	3058 White	
10	Light Filtering	C2501	Creamy		✓	✓		✓	✓	✓	3094 Cottage White	
11	Light Filtering	C2003	Ivory		✓	✓		✓	✓	✓	3579 Nature	
12	Light Filtering	C2503	Sand		✓	✓		✓	✓	✓	3094 Cottage White	
13	Light Filtering	C2506	Flax		✓	✓		✓	✓	✓	3578 Sahara	
14	Light Filtering	C2101	Gray violet		✓	✓		✓	✓	✓	3129 Silver	
15	Light Filtering	C2103	Dove	✓	✓	✓		✓	✓	✓	3334 Terra	
16	Light Filtering	C2201	Jet Black	✓	✓	✓		✓	✓	✓	3212 Black Ink	
17	Light Filtering	C2504	Maize		✓	✓		✓	✓	✓	3577 Cream	
18	Light Filtering	C2507	Pebble		✓	✓		✓	✓	✓	3578 Sahara	
19	Light Filtering	C2402	Chocolate		✓	✓		✓	✓	✓	3463 Chocolate	
20	Light Filtering	C2104	Shale		✓	✓		✓	✓	✓	3212 Black Ink	
21	Light Filtering	C2406	Chestnut		✓	✓		✓	✓	✓	3582 Sand	
22	Light Filtering	C2702	Indigo		✓	✓		✓	✓	✓	3716 Indigo	
23	Light Filtering	C2604	Willow		✓	✓		✓	✓	✓	3613 Celery	
24	Light Filtering	C2505	Marigold		✓	✓		✓	✓	✓	3577 Cream	
25	Light Filtering	C2302	Ginger Spice		✓	✓		✓	✓	✓	3335 Ginger Spice	
26	Light Filtering	C2202	Graphite	✓	✓	✓		✓	✓	✓	3129 Silver	
27	Light Filtering	C2802	Plum Purple		✓	✓		✓	✓	✓	3475 Plum Purple	
28	Light Filtering	C2106	Mica	✓	✓	✓		✓	✓	✓	3129 Silver	
29	Light Filtering	C2508	Bamboo		✓	✓		✓	✓	✓	3613 Celery	
30	Light Filtering	C2510	Flint		✓	✓		✓	✓	✓	3094 Cottage White	
31	Light Filtering	C2603	Agave		✓	✓		✓	✓	✓	3715 Agave	
32	Light Filtering	C2109	Crystal		✓	✓		✓	✓	✓	3058 White	
33	Light Filtering	C2105	Terra	✓	✓	✓		✓	✓	✓	3334 Terra	
34	Light Filtering	C2606	Clover		✓	✓		✓	✓	✓	3616 Fern	
35	Light Filtering	C2605	Fern		✓	✓		✓	✓	✓	3616 Fern	
36	Light Filtering	C2704	Topaz		✓	✓		✓	✓	✓	3722 Sky	
37	Light Filtering	C2705	Frost		✓	✓		✓	✓	✓	3722 Sky	
38	Light Filtering	C2706	Sky		✓	✓		✓	✓	✓	3722 Sky	
39	Light Filtering	C2107	Slate		✓	✓		✓	✓	✓	3715 Agave	
40	Light Filtering	C2703	Spearmint		✓	✓		✓	✓	✓	3715 Agave	
41	Light Filtering	C2303	Petal		✓	✓		✓	✓	✓	3058 White	
42	Light Filtering	C2304	Rose		✓	✓		✓	✓	✓	3058 White	
43	Light Filtering	C2305	Coral		✓	✓		✓	✓	✓	3476 Cinnamon	
44	Light Filtering	C2509	Tangerine		✓	✓		✓	✓	✓	3335 Ginger Spice	
45	Light Filtering	C2108	Heather		✓	✓		✓	✓	✓	3058 White	
46	Light Filtering	C2709	Oxford Blue		✓	✓		✓	✓	✓	3716 Indigo	
47	Light Filtering	C2408	Soft Taupe		✓	✓		✓	✓	✓	3579 Nature	
48	Light Filtering	1108	Snow Drift			✓					3058 White	
49	Light Filtering	1103	Sahara			✓					3578 Sahara	
50	Light Filtering	1106	Natural			✓					3579 Nature	
51	Light Filtering	1104	Birch			✓					3094 Cottage White	
52	Light Filtering	1136	Nutmeg			✓					3334 Terra	
53	Light Filtering	1126	Sandstone			✓					3578 Sahara	
54	Light Filtering	1113	Silver			✓					3129 Silver	
55	Light Filtering	1162	Mint			✓					3613 Celery	
56	Light Filtering	1201	Espresso			✓					3463 Chocolate	
57	Light Filtering	1705	Blue Daisy			✓					3716 Indigo	
58	Light Filtering	C1501	Eggnog			✓					3094 Cottage White	
59	Light Filtering	C1402	Flax			✓					3578 Sahara	
60	Room Darkening	C4510	Brie			✓		✓	✓	✓	3094 Cottage White	
61	Room Darkening	C4508	Sand			✓		✓	✓	✓	3094 Cottage White	
62	Room Darkening	C4402	Mocha			✓					3463 Chocolate	
63	Room Darkening	C4410	Flax			✓					3578 Sahara	
64	Room Darkening	C4514	Eggnog			✓					3579 Nature	
65	Room Darkening	C4411	Espresso			✓					3463 Chocolate	
66	Room Darkening	C4504	Desert			✓	✓	✓	✓	✓	3334 Terra	
67	Room Darkening	C4506	Primrose			✓	✓	✓	✓	✓	3094 Cottage White	
68	Room Darkening	C4507	Tamarind			✓	✓	✓	✓	✓	3579 Nature	
69	Room Darkening	C4201	Black Ink			✓	✓	✓	✓	✓	3212 Black Ink	
70	Room Darkening	C4105	Dusk	✓		✓	✓	✓	✓	✓	3129 Silver	
71	Room Darkening	C4101	Steel Gray	✓		✓	✓	✓	✓	✓	3212 Black Ink	
72	Room Darkening	C4103	Mineral			✓	✓	✓	✓	✓	3129 Silver	
73	Room Darkening	C4509	Pebble			✓	✓	✓	✓	✓	3578 Sahara	
74	Room Darkening	C4704	Indigo			✓	✓	✓	✓	✓	3716 Indigo	
75	Room Darkening	C4601	Fog Green			✓	✓	✓	✓	✓	3613 Celery	
76	Room Darkening	C4104	Slate			✓	✓	✓	✓	✓	3715 Agave	
77	Room Darkening	C4102	Terra			✓	✓	✓	✓	✓	3334 Terra	
78	Room Darkening	C4802	Larkspur			✓	✓	✓	✓	✓	3475 Plum Purple	
79	Room Darkening	C4705	Topaz			✓	✓	✓	✓	✓	3722 Sky	
80	Room Darkening	C4001	Glacier White			✓	✓	✓	✓	✓	3058 White	
81	Room Darkening	C4108	Infinity			✓	✓	✓	✓	✓	3716 Indigo	
82	Room Darkening	C4412	Ecru			✓	✓	✓	✓	✓	3579 Nature	
83	Room Darkening	C4111	Champagne			✓	✓	✓	✓	✓	3579 Nature	

No.	Fabric Type	Fabric Color Code	Fabric Color Name	Available Cell Size			Default Rail Color*
				3/8" Single	3/4" Single	1 1/4" Single	
84	Flame Resistant	C6001	Ice mist	✓	✓		3058 White
85	Flame Resistant	C6002	Cotton	✓	✓		3094 Cottage White
86	Flame Resistant	C6501	Mascarpone	✓	✓		3094 Cottage White
87	Flame Resistant	C6502	Calla Lily	✓	✓		3578 Sahara
88	Flame Resistant	C6101	Ashley Gray	✓	✓		3129 Silver
89	Flame Resistant	C6401	Earth	✓	✓		3463 Chocolate
90	Flame Resistant	C6503	Toasted beige	✓	✓		3094 Cottage White
91	Flame Resistant	C6003	Moonshine	✓	✓		3058 White
92	Flame Resistant	C6102	Silvery Blue	✓	✓		3722 Sky
93	Flame Resistant	C6402	Travertine	✓	✓		3578 Sahara
94	Designer Fabric (LF)	C2004	Antique White	✓	✓		3094 Cottage White
95	Designer Fabric (RD)	C4403	Hickory	✓	✓		3334 Terra
96	Designer Fabric (LF)	C2409	Hickory	✓	✓		3334 Terra
97	Designer Fabric (LF)	C2610	Forest	✓	✓		3613 Celery
98	Designer Fabric (LF)	C2113	Ellie Gray	✓	✓		3129 Silver
99	Designer Fabric (RD)	C4004	Antique White	✓	✓		3094 Cottage White
100	Designer Fabric (RD)	C4606	Forest	✓	✓		3613 Celery
101	Designer Fabric (RD)	C4115	Ellie Gray	✓	✓		3129 Silver
102	Designer Fabric (LF)	C1403	Fresh Brew	✓	✓		3334 Terra
103	Designer Fabric (RD)	C4106	Winter Solstice	✓	✓		3129 Silver
104	Designer Fabric (LF)	C2114	Winter Solstice	✓	✓		3129 Silver
105	Designer Fabric (LF)	C2410	Canvas	✓	✓		3577 Cream
106	Designer Fabric (LF)	C2115	Sterling	✓	✓		3579 Nature
107	Designer Fabric (RD)	C4413	Fresh Brew	✓	✓		3334 Terra
108	Designer Fabric (RD)	C4414	Canvas	✓	✓		3577 Cream
109	Designer Fabric (RD)	C4116	Sterling	✓	✓		3579 Nature
110	Designer Fabric (RD)	C4107	Storm Cloud	✓	✓		3129 Silver
111	Designer Fabric (LF)	C1118	Storm Cloud	✓	✓		3129 Silver
112	Designer Fabric (LF)	C1114	Titanium	✓	✓		3129 Silver
113	Designer Fabric (LF)	C1115	Dawn	✓	✓		3129 Silver
114	Designer Fabric (LF)	C1116	Magnetic Gray	✓	✓		3129 Silver
115	Designer Fabric (RD)	C4112	Titanium	✓	✓		3129 Silver
116	Designer Fabric (RD)	C4113	Dawn	✓	✓		3129 Silver
117	Designer Fabric (RD)	C4114	Magnetic Gray	✓	✓		3129 Silver
118	Breeze AB0658	F1299	Almond Milk	✓	✓		3058 White
119	Breeze AB0658	F1300	Flax	✓	✓		3579 Nature
120	Breeze AB0658	F1301	Sand	✓	✓		3579 Nature
121	Breeze AB0658	F1302	Khaki	✓	✓		3579 Nature
122	Breeze AB0658	F1303	Dune	✓	✓		3579 Nature
123	Windsong AB0632	F0908	Linen Weave	✓	✓		3058 White
124	Windsong AB0632	F1282	Rustica Antique White	✓	✓		3058 White
125	Windsong AB0632	F1283	Coffee	✓	✓		3579 Nature
126	Windsong AB0632	F1284	Burnt Ember	✓	✓		3129 Silver
127	Windsong AB0632	F1285	Black Magic	✓	✓		3212 Black Ink

\*The color coordination chart is for general reference. The Default Rail Color does not apply to some 9/16" fabrics, Patio Door Vertical, Vertical Day & Night and SmartFit for Sloped windows. For the complete color coordination by the fabric/system, please review the Appendix.



## One Tone Fabrics

Honeycomb Shades typically come in a neutral colored, off-white back that provides a pleasant street-side appearance. You may optionally select a one-tone shade such that the back of the shade matches the color of the front. It's a great way to add both continuity and richness to your exterior color scheme.

- Available on the following select fabrics and sizes.
- For Single shades only
- Not available for **G6 applications**, Day & Night applications or Vertical Patio Door

Opacity	Color Code	Color Name	Cell Size	
			3/8"S	3/4"S
Light Filtering	C2002	Marshmallow		✓
Light Filtering	C2103	Dove	✓	✓
Light Filtering	C2105	Terra		✓
Light Filtering	C2106	Mica	✓	
Light Filtering	C2201	Jet Black	✓	✓
Light Filtering	C2202	Graphite	✓	
Room Darkening	C4101	Steel Gray	✓	
Room Darkening	C4105	Dusk	✓	

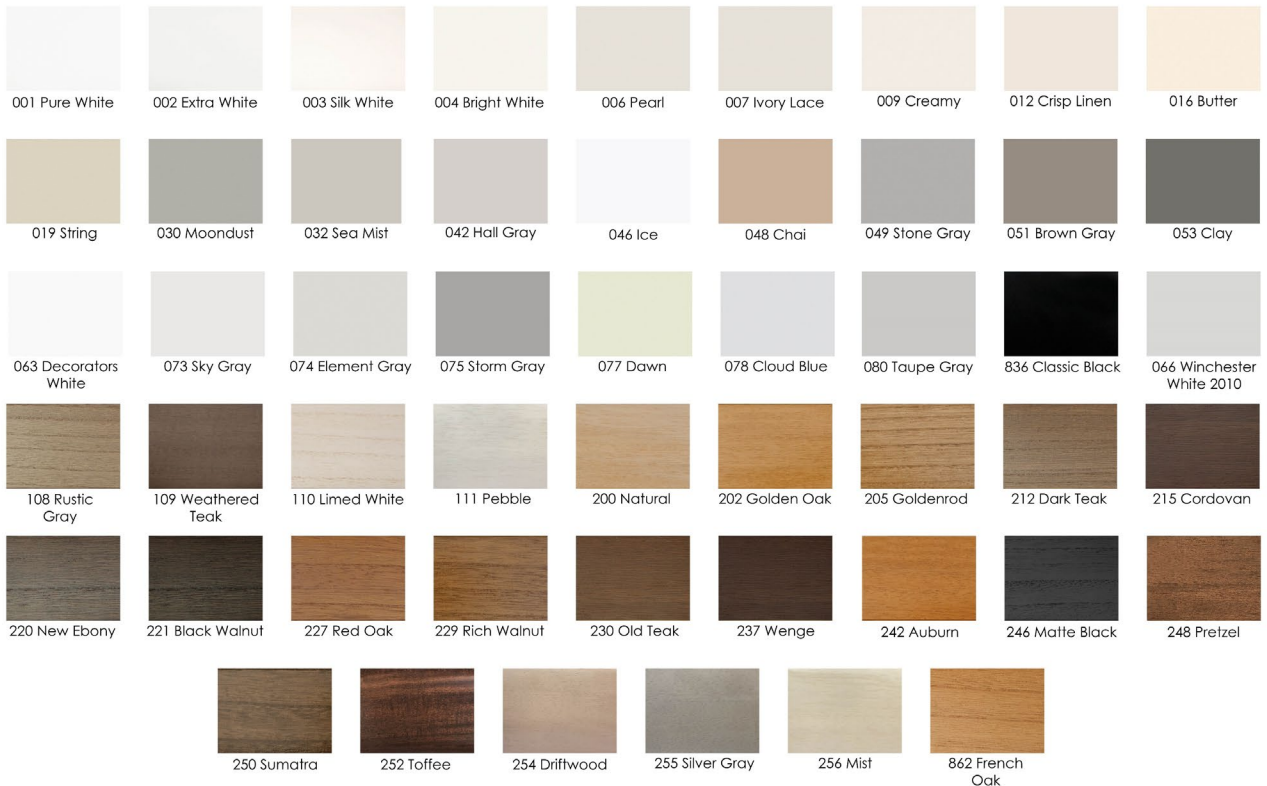


## Frame Colors (SmartFit with Frame)

Frame: hard wood material

Color Availability: Normandy® Shutter collection – 51 colors

- **Painted colors:** Pure White, Extra White, Silk White, Bright White, Pearl, Ivory Lace, Creamy, Crisp Linen, Butter, String, Moondust, Sea Mist, Hall Gray, Ice, Chai, Stone Gray, Brown Gray, Clay, Decorators White, Sky Gray, Element Gray, Storm Gray, Dawn, Cloud Blue, Taupe Gray, Classic Black, Winchester White.
- **Stained colors:** Rustic Gray, Weathered Teak, Limed White, Pebble, Natural, Golden Oak, Goldenrod, Cordovan, Mahogany, New Ebony, Black Walnut, Red Oak, Rich Walnut, Old Teak, Wenge, Auburn, Matte Black, Pretzel, Sumatra, Toffee, Driftwood, Silver Gray, Mist, French Oak.



## Estimated Fabric Stacking Heights

**Disclaimer:** The below figures are estimated fabric stacking heights, for reference. These are not guaranteed, exact measurements. Actual stacking height may vary for each shade.

System	Fabric	3/8" Single (")				9/16" Single (")				3/4" Single (")			
Shade Drop		48"	72"	84"	144"	48"	72"	84"	144"	48"	72"	84"	144"
Corded	LF	2.74	3.58	4	6.1	2.05	2.43	2.62	3.58	2.02	2.5	2.74	3.94
	RD	2.65	3.44	3.83	5.81	1.96	2.29	2.46	3.31	1.97	2.43	2.66	3.8
	FR	2.79	3.65	4.09	6.25	NA				2.07	2.57	2.83	4.09
Corded TDBU	LF	3.33	4.17	4.59	6.69	2.64	3.02	3.21	4.17	2.61	3.09	3.33	4.53
	RD	3.24	4.03	4.43	6.41	2.55	2.88	3.06	3.91	2.57	3.02	3.25	4.39
	FR	3.38	4.25	4.68	6.84	NA				2.66	3.17	3.42	4.68
Corded Day & Night	Sheer & RD	4.55	6.04	6.78	10.5	3.29	3.95	4.30	6.00	3.25	4.09	4.51	6.61
	Sheer & LF	4.69	6.25	7.03	10.93	3.40	4.13	4.49	6.31	3.3	4.17	4.6	6.76
SmartRise™ Cordless	LF	3.55	4.44	4.88	NA	2.68	3.06	3.25	4.21	2.73	3.21	3.45	NA
	RD	3.45	4.29	4.71		2.59	2.92	3.09	3.94	2.68	3.14	3.37	
	FR	3.55	4.44	4.88		NA				2.78	3.28	3.54	
Cordless TDBU	LF	4.37	5.26	5.71	NA	3.74	4.13	4.32	5.27	3.56	4.04	4.28	NA
	RD	4.28	5.12	5.54		3.65	3.98	4.16	5.01	3.51	3.97	4.19	
	FR	4.37	5.26	5.71		NA				3.61	4.11	4.36	
Cordless Day & Night	Sheer & RD	5.6	7.16	7.94	NA	4.39	5.06	5.40	7.10	4.16	5	5.42	NA
	Sheer & LF	5.7	7.3	8.11		4.50	5.23	5.59	7.41	4.21	5.07	5.5	
Motorized Bottom Up, Cord Loop & SmartRelease™	LF	3.45	4.29	4.71	6.81	3.04	3.42	3.61	4.56	2.73	3.21	3.45	4.65
	RD	3.36	4.15	4.54	6.52	2.94	3.28	3.45	4.30	2.68	3.14	3.37	4.51
	FR	3.5	4.36	4.8	6.96	NA				2.78	3.28	3.54	4.8
Cord Loop D&N & Motorized D&N	Sheer & RD	5.65	7.05	7.74	11.30	4.28	4.94	5.28	6.98	4.26	4.94	5.27	6.95
	Sheer & LF	5.74	7.18	7.88	11.44	4.38	5.11	5.47	7.29	4.33	5.04	5.39	7.15
Cord Loop TD, Cordless TD, & Motorized TD	LF	4.35	5.13	5.51	7.44	3.63	4.01	4.20	5.15	3.56	3.92	4.09	4.98
	RD	4.26	5.00	5.38	7.30	3.54	3.87	4.04	4.89	3.49	3.82	3.98	4.78
	FR	4.07	4.70	5.02	6.57	NA				3.46	3.76	3.91	4.67
SmartFit™	LF	3.25	4.09	4.51	NA	2.64	3.02	3.21	4.17	2.77	3.25	3.49	NA
	RD	3.16	3.95	4.35		2.55	2.88	3.06	3.91	2.72	3.18	3.41	
	FR	3.3	4.17	4.6		NA				2.82	3.32	3.58	



## Estimated Fabric Stacking Heights

**Disclaimer:** The below figures are estimated fabric stacking heights, for reference. These are not guaranteed, exact measurements. Actual stacking height may vary for each shade.

System	Fabric	1/2" Double (")				3/4" Double (")					1 1/4" Single (")				
Shade Drop		48"	72"	84"	144"	48"	72"	84"	120"	144"	48"	72"	84"	120"	144"
Corded	LF	2.26	2.76	3	4.23	1.9	2.23	2.38	2.88	3.2	1.69	1.91	2.02	2.36	2.59
	RD	2.17	2.62	2.84	3.96	1.86	2.16	2.3	2.76	3.04	1.64	1.85	1.94	2.26	2.46
	FR	N/A													
Corded TDBU	LF	2.85	3.35	3.6	4.83	2.49	2.82	2.97	3.47	3.79	2.28	2.5	2.61	2.95	3.18
	RD	2.76	3.21	3.43	4.55	2.45	2.75	2.89	3.35	3.63	2.23	2.44	2.53	2.85	3.05
	FR	N/A													
Corded Day & Night	Sheer & RD	3.7	4.61	5.06	7.29	2.98	3.51	3.76	4.58	5.09	2.77	3.2	3.4	4.06	4.49
	Sheer & LF	3.8	4.75	5.22	7.57	3.01	3.54	3.79	4.61	5.13	2.77	3.2	3.4	4.06	4.49
SmartRise™ Cordless	LF	2.89	3.39	3.63	4.86	2.6	2.93	3.09	3.59		2.4	2.62	2.73	3.07	
	RD	2.8	3.25	3.47	4.59	2.54	2.83	2.98	3.23		2.35	2.55	2.65	2.8	
	FR	N/A													
Cordless TDBU	LF	3.83	4.34	4.58	5.81	3.2	3.52	3.68	N/A		2.99	3.21	3.32	N/A	N/A
	RD	3.74	4.2	4.42	5.54	3.13	3.43	3.57			2.94	3.14	3.24		
	FR	N/A													
Cordless Day & Night	Sheer & RD	4.69	5.6	6.04	8.28	3.77	4.37	4.65	N/A		3.39	3.8	3.99	N/A	
	Sheer & LF	4.78	5.74	6.2	8.55	3.68	4.22	4.47			3.48	3.91	4.1	4.14	
Motorized Bottom Up, Cord Loop & SmartRelease™	LF	3.24	3.75	3.99	5.22	2.91	3.24	3.40	4.21	4.21	2.71	2.93	3.04	3.38	3.61
	RD	3.15	3.61	3.83	4.94	2.88	3.18	3.32	4.06	4.06	2.66	2.87	2.96	3.28	3.48
	FR	N/A													
Cord Loop D&N & Motorized D&N	Sheer & RD	4.69	5.6	6.04	8.28	3.96	4.46	4.70	5.47	5.96	3.74	4.15	4.34	4.97	5.38
	Sheer & LF	4.78	5.74	6.2	8.55	3.99	4.53	4.78	5.60	6.11	3.79	4.22	4.41	5.08	5.51
Cord Loop TD & Motorized TD	LF	3.83	4.34	4.58	5.81	3.51	3.83	3.99	4.49	4.80	3.30	3.52	3.63	3.97	4.20
	RD	3.74	4.2	4.42	5.54	3.47	3.77	3.91	4.37	4.65	3.25	3.46	3.55	3.87	4.07
	FR	N/A													
SmartFit™	LF	2.85	3.35	3.6	4.83	2.53	2.86	3.01	N/A		2.32	2.54	2.65	N/A	
	RD	2.76	3.21	3.43	4.55	2.46	2.76	2.9			2.27	2.48	2.57		
	FR	N/A													



## Estimated Fabric Stacking Heights

**Disclaimer:** The below figures are estimated fabric stacking heights/widths, for reference. These are not guaranteed, exact measurements. Actual stacking height may vary for each shade.

System	Fabric	3/8" Single (")				9/16" Single	1/2" Double	3/4" Single	3/4" Double	1 1/4" Single
Shade Drop		48"	72"	84"	144"					
SmartFit™ for Sloped Window	LF	3.29	4.07	4.45	N/A	N/A	N/A	N/A	N/A	N/A
	FR	3.01	3.64	3.95						
	RD	3.20	3.94	4.31						
SmartFit with Frame for Skylights	LF	3.06	3.9	4.32	N/A	N/A	N/A	N/A	N/A	N/A
	FR	3.11	3.97	4.4						
	RD	2.96	3.75	4.15						

### Patio Door Vertical Stacking Width (Stackback)

	Left Stack/Right Stack/ Day & Night/Split Stack (Center Opening)		Traveling Center Stack	
Cell Size	Shade Width (X1")	Stacking Width (")	Shade Width (X1")	Stacking Width (")
3/4" Single	$X1 \leq 92$	6 3/4	$X1 \leq 146$	10 5/8
	$92 < X1 \leq 102$	7 3/8		
	$102 < X1 \leq 111$	7 7/8		
	$111 < X1 \leq 121$	8 1/2		
	$121 < X1 \leq 130$	9		
	$130 < X1 \leq 140$	9 1/2		
	$140 < X1 \leq 146$	10		
1 1/4" Single	$X1 \leq 71$	6 3/4	$X1 \leq 130$	10 5/8
	$71 < X1 \leq 78$	7 3/8		
	$78 < X1 \leq 86$	7 7/8		
	$86 < X1 \leq 93$	8 1/2		
	$93 < X1 \leq 100$	9		
	$100 < X1 \leq 108$	9 1/2		
	$108 < X1 \leq 115$	10		
	$115 < X1 \leq 123$	10 5/8		
	$123 < X1 \leq 130$	11 1/4		
	$130 < X1 \leq 138$	11 3/4	$130 < X1 \leq 138$	11 1/4
	$138 < X1 \leq 146$	12 3/8	$138 < X1 \leq 146$	11 3/4

\* for D&N & Split Stack, the above stacking height is for one side only.

## Additional Options

### Light Guard

Available Colors:



3058 White



3094 Cottage White



3578 Sahara



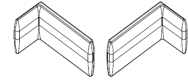
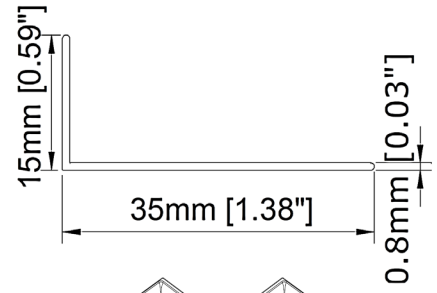
3463 Chocolate



3129 Silver



3212 Black Ink



End Caps are pre-installed.

- Aluminum material; Inside Mount only
- Light guard is not available for Patio Door Vertical, Vertical Day & Night, Specialty Shapes, or 2 on 1 shades.
- Alum Light Guard Splicing Rule:** When the light guard length (L) is over 96", it will be spliced into two pieces. A clear adhesive tape will be provided to join the two pieces. The splicing points are as follows:

96" < L ≤ 102"	L > 102"
From the top down at 6"	From the bottom up at 96"

### Hold Down

#### Traditional Hold-Down (Optional)



#### Magnetic Hold-Down

- Available for OM only
- Not recommended for metal door applications
- The magnet will be attached at the factory before shipping.
- The magnet catch will need to be installed at the job site.

#### Available colors for Magnet Catch

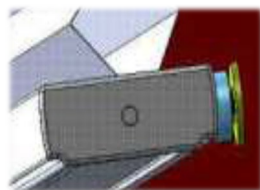
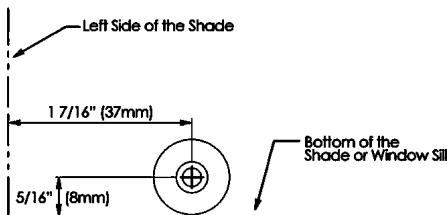
- Nickel-Plated (Default)
- (Optional) Pure White, Silk White, Bisque, Pearl, Bright Brass, Antique Brass, Black, Crisp Linen, String, Sea Mist, Stone Gray, Brown Gray, Taupe Gray



Magnet



Magnet Catch



Allow for extra wall space:

- 1 7/16" from the side edge of the shade
- 5/16" from the bottom edge of the shade or window sill

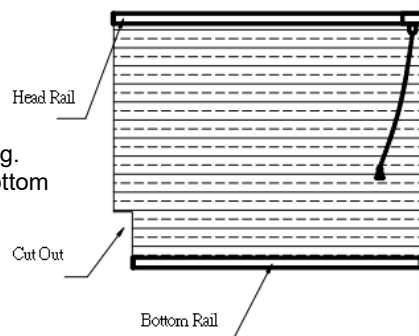
Lift Systems	Hold Down Availability
SmartRise™ Cordless	✓
Cordless TDBU	✓
Cordless Day & Night	✓
G6 Cordless	✓
G6 Cordless TDBU	✓
Cordless	✓
Cordless TDBU	✓
Cordless Day & Night	✓
Cord Loop	✓
Cord Loop TD	✓
Cord Loop Day & Night	✓
SmartRelease™	✓
Motorized Systems	✓
SmartFit™	x--N/A
SmartFit™ Day & Night	x--N/A
SmartFit™ for Sloped Windows	x--N/A
SmartFit with Frame	x--N/A
SmartFit with Frame for Sloped Windows	x--N/A
Patio Door Vertical, Day & Night	x--N/A
Specialty Shapes	x--N/A

## Additional Options - Cut-outs

Systems	Shade Width (")	Min cut-out size	Max. cut out size	Min cut out size	Max. cut out size
		Width		Height	
Cordless	X≤16	N/A			
	16<X≤23.5	1/8"	0.75"	7/8"	Y - 2"
	X>23.5	1/8"	1"	7/8"	Y - 2"
Corded	X≤18.5	N/A			
	X>18.5	1/8"	1"	7/8"	Y = order height Y - 2"
Cord Loop / SmartRelease / Motorized Bottom Up	All sizes	1/8"	1"	7/8"	Y - 2"
Vertical	All sizes	For baseboards only- cut-outs are made on the rails, not the fabric.  The max. cut out on height is 6".			

### Cut-outs for Horizontal Shades

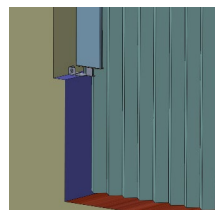
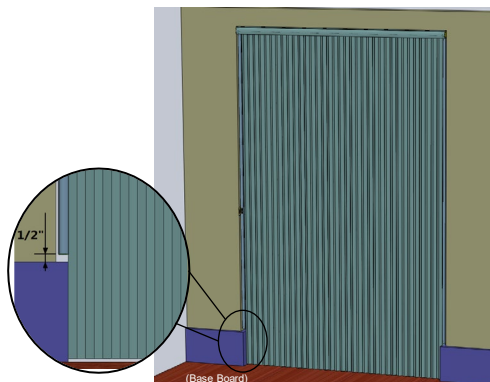
- Cut-outs will be made on the bottom rail and the bottom section of the fabric.
- Cut-out location options:
  - Bottom Corner (Left)
  - Bottom Corner (Right)
  - Bottom Corners (Both L & R)
- Please provide detailed information under "Special Instructions" when ordering.
- Cut-outs are made when the shade is fully extended. Measure up from the bottom of bottom rail.
- Not available for:
  - SmartFit™ applications
  - TDBU applications
  - Day & Night applications
  - G6 Cordless/G6 Cordless TDBU (or any Woven shades)
  - Specialty Shapes
  - 2 on 1 Shades.



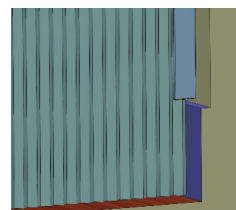
### Cut-outs for Vertical Shades

- For patio door honeycomb shades, the cut-out is only on the rails and not the fabric. See chart →
- When specifying cut-outs, please provide the height of the baseboard.
- Max cut out height: 6"

Stacking Configuration	Stationary vertical rail	Moveable vertical rail
Right Stack	✓	✓
Left Stack	✓	✓
Travelling Center Stack	✓	✓
Split Stack (Center Opening)	✓	✗
Vertical Day & Night	✓	✗





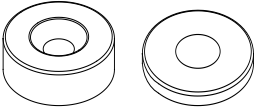

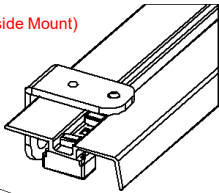

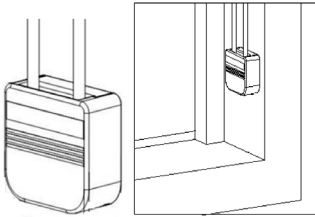
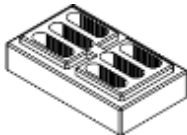
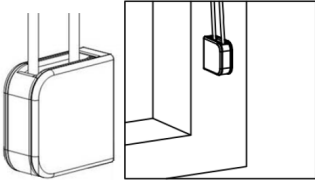
Backside (stationary vertical rail)



Backside (movable vertical rail)

# Portrait™ Honeycomb Shades

## Parts & Accessories

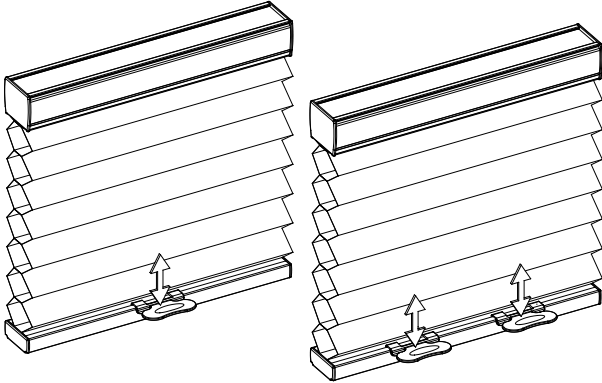
Description	Drawing	Description	Drawing
Hold-Down Bracket (optional)		Pole Attachment  Color: White  (pole not included; compatible with telescopic poles sold at hardware stores)  (max 2 per shade)	
Magnetic Hold-Down (optional for OB)			
<b>Mounting Plate</b>  <b>3/8" S</b> Default: Yes; Optional: No  <b>3/4" S, 9/16" S, 1/2" D</b> Default: Yes; Optional: No  <b>3/4" D, 1 1/4" S</b> Standard (required)	 (Outside Mount)  (Inside Mount)	Pole Sizes: 36" or 60" (max 2 per shade)  Pole & attachment color: Black  <u>Movable pole head for</u> Cordless, Cordless TDBU, Cordless Day & Night, <b>G6</b> <b>Cordless, G6 Cordless</b> <b>TDBU</b>  <u>Stationary pole head for</u> SmartFit™, SmartFit™ for Sloped Windows, SmartFit with Frame, and SmartFit with Frame for sloped windows	
<b>IM Cord Loop /</b> <b>SmartRelease™ Safety</b> <b>Tension Device</b>		Shim/Spacer Block (optional & stackable)  <b>Not available for IB</b> <b>SmartFit, IB SmartFit Day &amp;</b> <b>Night, SmartFit for Sloped</b> <b>Windows and Specialty</b> <b>Shapes</b>	  3/8" thickness for one 1 1/16" thickness for two
<b>OM Cord Loop /</b> <b>SmartRelease™ Safety</b> <b>Tension Device</b>			

## Shade Operation

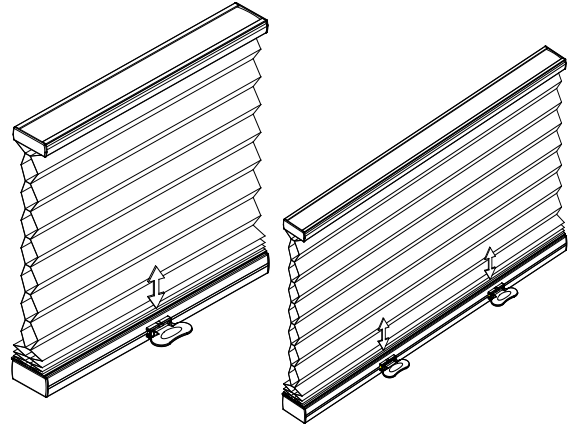
Here are instructions to properly operate some of our cordless applications

### SmartRise™ Cordless & G6 Cordless

- **Lower the shade** from the handle(s) on the bottom rail and gently pull down to the desired position.
- **Raise the shade** from the bottom rail or the handle(s) on the bottom rail and push up to the desired position. A pole should be used on taller shades for easier operation.



**SmartRise™ Cordless**



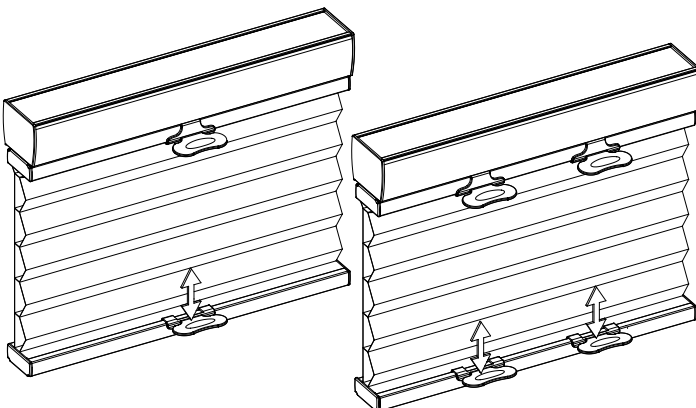
**G6 Cordless**

### Cordless TDBU & G6 Cordless TDBU

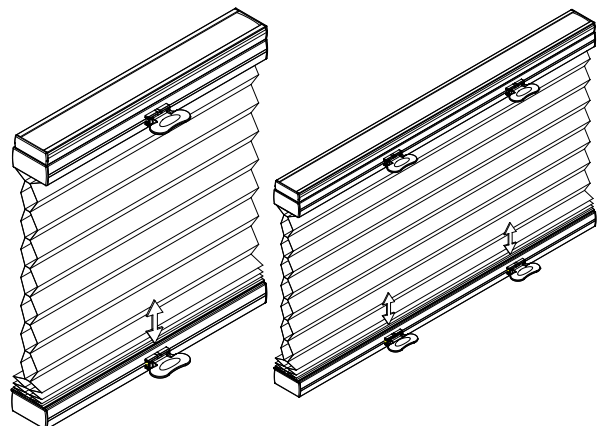
**\*\*Top Down Bottom Up systems integrates 2 cordless mechanisms within a shade. This naturally causes more tension during operation, compared to a standard Cordless system with only 1 mechanism.**

- **Lower the shade** from the handle(s) on the bottom rail first. Bring the bottom rail down to the desired position, then bring down the middle rail. Do not pull down the middle rail and the bottom rail at the same time as this may significantly increase the tension.
- **Raise the shade** from the bottom rail or handle(s) on the bottom rail and push up together with the middle rail to the desired position. If the shade does not lift properly, pull the middle rail down to the bottom of the shade and then proceed to lift up both the middle rail and bottom rail together. A pole should be used on taller shades for easier operation.

**IMPORTANT:** It is not recommended to grasp the rails at an uneven or uncentered angle. Always operate from the handle in the center if only 1 handle is provided, or with both hands at even pressure if 2 handles are provided.

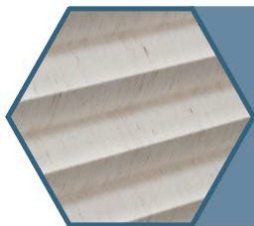


**Cordless TDBU**



**G6 Cordless TDBU**

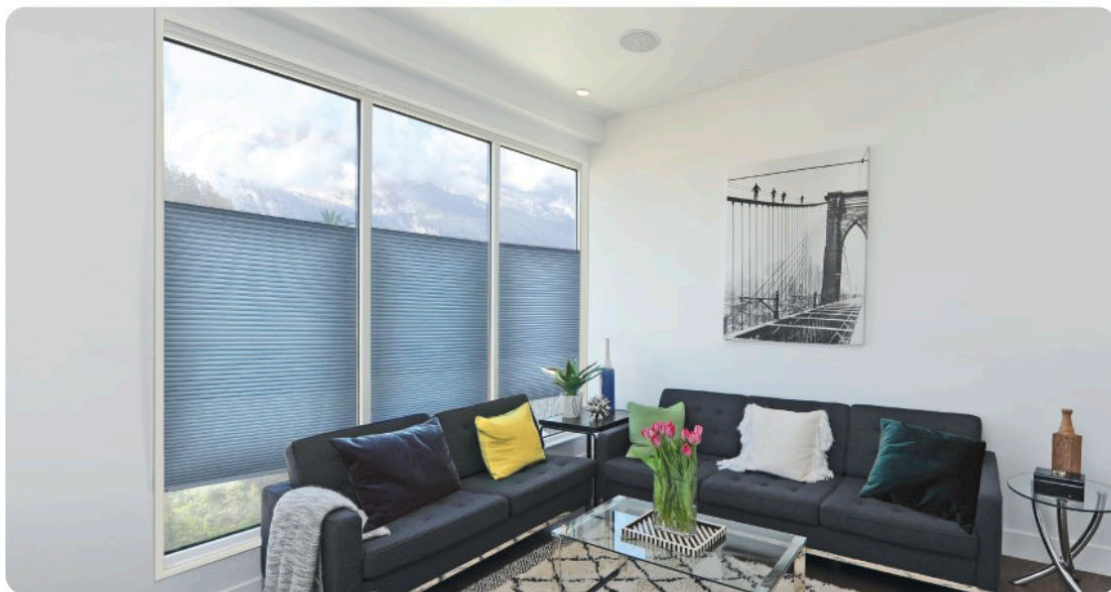
## Fabric Expectations & Product Care



### Honeycomb Shades Fabric Expectations & Product Care

Honeycomb Shades come in a variety of fabrics, cell sizes and lift systems. Our honeycombs deliver on a number of desired effects of fine window treatments:

- Excellent insulating properties
- UV protection
- Softened views while enjoying privacy



But as with all fine window treatments there are certain inherent characteristics of our honeycombs that can be found in any fine textile shade in the market. Since we always strive to provide the highest quality window treatment solutions, we are communicating certain industry-wide fabric characteristics of our honeycomb shades.

#### ROOM DARKENING VERSUS BLACKOUT QUALITY

One of the appealing characteristics of a honeycomb shade is your ability to select from different opacity levels ranging from sheer to light filtering to room darkening to satisfy your desire for light control, privacy or both.

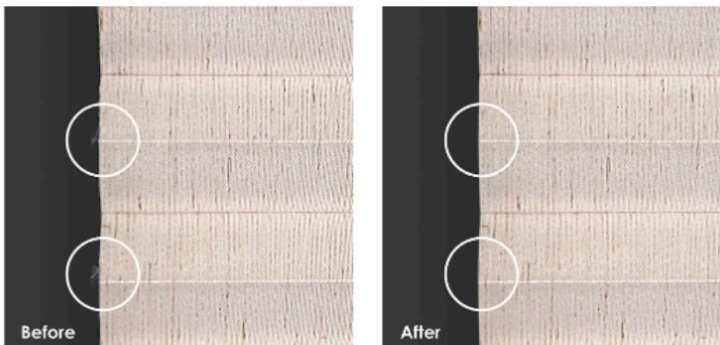
While our room darkening fabrics provide more privacy and light control qualities than our sheer and light filtering choices, they are not a total blackout solution.



## Fabric Expectations & Product Care

### FABRIC DISCLAIMERS: WOVEN SHADES

Our Windsong and Breeze fabrics utilize delicate fibers and a unique weaving process that give the fabric a soft and high-end look. The repeated rubbing of the fabric edge where it comes into contact with the edge of the window may cause the fabric to fray slightly. To remedy this, use a pair of fabric scissors to gently trim any fraying.



### CLEANING HONEYCOMB SHADES

Routine cleaning will help maintain the beauty of your shade. Here are the proper methods for cleaning honeycomb shades:

#### Light dusting:

- Use a soft brush, feather duster or a compressed air/hair dryer at a cool setting
- Vacuum with a low suction using a hand-held vacuum or a brush attachment

#### Spot Cleaning:

- Dampen a clean cloth or sponge with warm water and blot gently to avoid creasing the shade (do not rub!)
- Add a mild detergent solution, if needed
- Allow shade to dry in a fully lowered position
- Headrails should never be immersed in liquid
- Do not use bleach or cleaning products that contain bleach.

#### Ultrasonic Cleaning:

- Honeycomb shades may be professionally ultrasonic cleaned

