

# Roller Shade Measuring & Order ing Instructions

## Selecting the Type of Mounting:

Determine whether the blind is going to be installed inside the window frame or outside the window frame.

### Inside Mount (IB):

#### Measuring the Width and the Length for Inside Mount:

For the width, measure across the top, middle, and bottom of the window opening. Using the narrowest dimension, measure to the nearest 1/8". By using the narrowest measurement the shade will operate correctly.

For the length, measure the up and down dimension on the left, center, and right side. Use the longest length measurement, measuring to the nearest 1/8".

The factory will make any appropriate deductions. Do not make any width deductions.

### Outside Mount (OB):

Outside mount installations are mounted on the wall or on the window molding. It is best to overlap the window opening at least 3/4" on each side when measuring for roller shades.

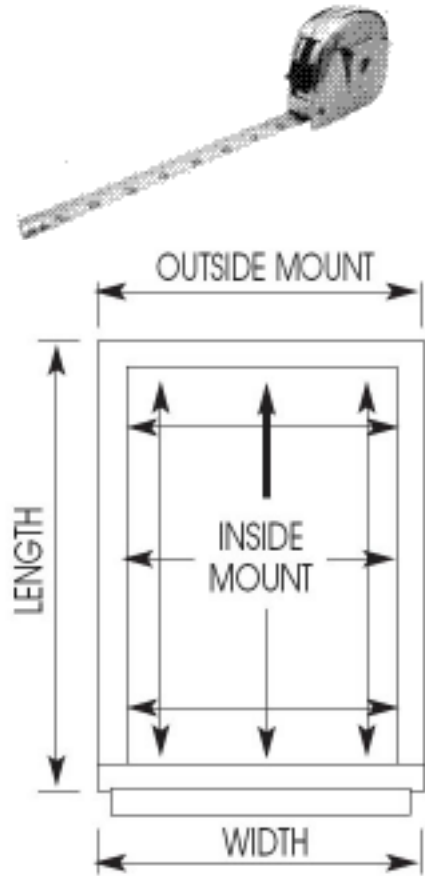
#### Measuring the Width and the Length for Outside Mount:

Measure the area that the shade is to cover. For roller shades it is recommended to overlap the window opening by at least 3/4" on each side for a total of 1 1/2". To allow for enough space for the mounting brackets and to cover the bottom of the window, the suggested overlap for a roller shade depends on the size of the shade and the valance option if required. If the window opening has a sill, measure from where the top of the shade will be located to the top of the window sill.

*Note: When outside mount blinds are specified, no factory deductions are taken.*

### Confirming Measurements:

The most common error in ordering blinds is reversing the width and the length measurements. Always confirm that the width is the measurement that goes across from left to right and that the length is the measurement that goes from top to bottom.

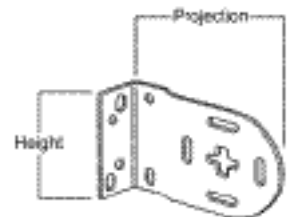


### Clutch & Bracket Selection:

To determine the clutch and bracket size used by the factory for a specific shade, refer to the **Manual Clutch Fabrication Chart** at the end of the roller shade section of the suggested retail price book.

#### Bracket Dimensions:

Clutch & Bracket Used	Ceiling Mount Installation		Wall Mount Installation	
	Projection	Height	Projection	Height
1 1/4" Clutch Bracket	1 7/8"	2 3/8"	2 3/8"	1 7/8"
1 1/2" Clutch Bracket	2 7/8"	2 5/8"	2 5/8"	2 7/8"
1 3/4" Clutch Bracket	3 1/4"	3"	3"	3 1/4"
3" Fascia Bracket	3"	3"	3"	3"
4" Fascia Bracket	4"	4"	4"	4"
Standard Motor Bracket	2 1/2"	2 7/8"	2 7/8"	2 1/2"



**Bracket Shown as used in Wall Mount Installation**

### Estimated Shade Rollup Diameters:

Refer to the chart below to calculate the approximate rollup diameter for the given shade drops.

Clutch Shade		Clutch Shade		Motorized Shade	
Shade Drop	with 1 1/2" Tube	with 1 3/4" Tube	Shade Drop	with 2 1/2" Tube	Motorized Shade with 3" Tube
60"	±2.250"	±2.500"	60"	±3.125"	±4.000"
72"	±2.375"	±2.625"	96"	±3.250"	±4.125"
84"	±2.500"	±2.750"	120"	±3.500"	±4.250"
96"	±2.625"	±2.875"	144"	±3.625"	±4.375"
120"	±2.750"	±3.000"	168"	±3.750"	±4.500"
132"	±2.875"	±3.125"	192"	±3.875"	±4.625"
144"	±3.000"	±3.250"	216"	±4.000"	±4.750"
156"	±3.250"	±3.500"	240"	±4.250"	±5.000"

**Shade Cloth Deductions & Light Gap: (All Measurements provided should be Bracket to Bracket!)**

It is extremely important to note when measuring for roller shades that the actual fabric width of the shade will be less than the window measurement provided. To allow for the space that shade brackets, clutch or motor, and idler end take up, the factory must make a deduction so that the finished measurement or *bracket to bracket measurement* of the shade fits into the width dimension provided by the customer. Please note the below deductions taken by the factory.

	Deduction	Explanation
Clutch	1 1/4"	The fabric width measurement will be 1 1/4" less than the ordered width.
Battery (LT30) or Low Voltage Motor (ST30)	1 1/4"	The fabric width measurement will be 1 1/4" less than the ordered width.
AC Hardwire (MCS) or PlugIn Motor (ST50)	1 7/8"	The fabric width measurement will be 1 7/8" less than the ordered width.

**Please Note:** When shades with a Fascia are ordered inside mount, an addition 1/8" deduction will be taken for the fabric width.

**Please Note:** When shades with a Pocket "L" Fascia are ordered inside mount, an addition 3/8" deduction will be taken for the fabric width.

**Shade Measurements: (Critical Note!)**

Specify **bracket to bracket width measurements for all roller shade orders**. Do not provide fabric width measurements. If a specific shade cloth width is required, please refer to the list of shade cloth deductions above and add the required amount to the fabric width.

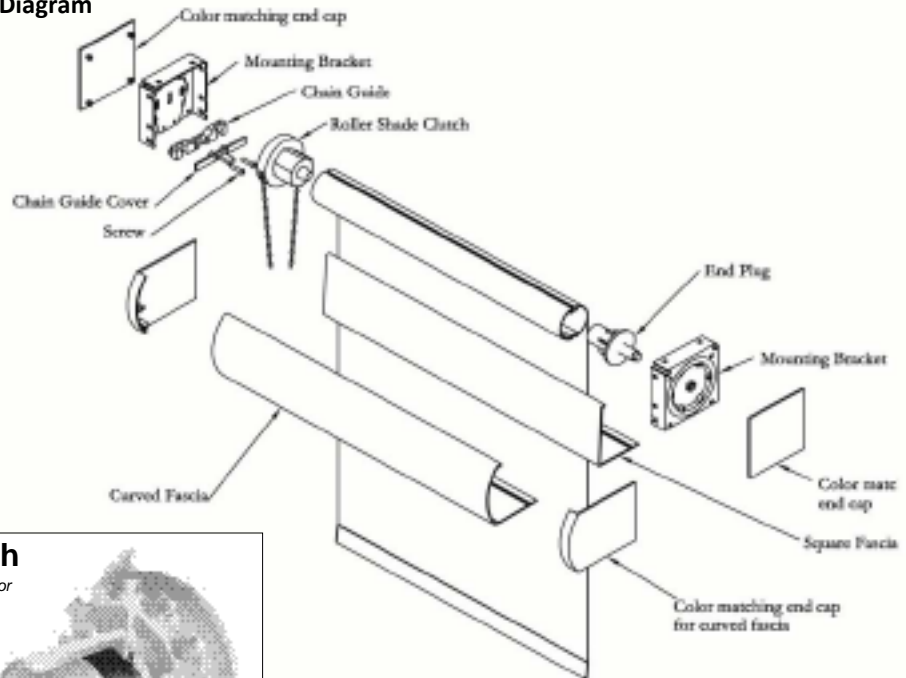
**Fabric Telescoping & Tracking:**

Roller shades that exceed a 3 to 1 length to width ratio where the shade is more than 3 times longer than it is wide, may have problems tracking or rolling up straight. This tracking problem, commonly referred to as *telescoping* is an inherent characteristic of roller shade fabrics and should be explained to the end user.

**Railroading & Fabric Seams:**

In order to make a shade that is wider than the width of the roll, the fabric will be *railroaded* or turned sideways and cut to the width of the shade. In cases where the shade is wider and longer than the width of the fabric roll, a second piece of fabric will be cut and welded or *spliced* to the first fabric piece. This weld, which secures the two pieces of fabric together, creates a visible seam. When a *splice* is required, the factory will place the seam as high on the shade as possible. If a custom *splice* location is desired, please specify the seam location *from the bottom of the shade up*. Please allow ± 1/2" tolerance when custom seam locations are requested.

**Clutch Roller Shade Exploded Diagram**



**The M-Series Clutch**  
 Precision Engineered Gear for Qualified Bead Chain

G Reinforced Resin to Increase Durability

Advanced Spring Technology for Smooth Operation

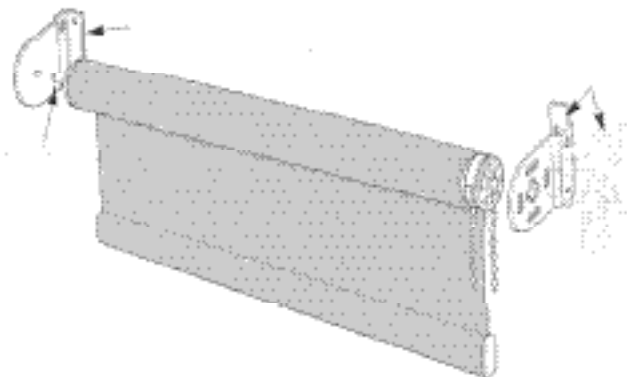
High Impact Plastic

This inset image shows three views of the M-Series Clutch gear: a perspective view, a side view showing the gear teeth, and a front view showing the central hub. The text highlights its reinforced resin construction and advanced spring technology for smooth operation.

# Roller Shade Options

## Standard Clutch Roller Shade

This roller shade is operated manually with a heavy duty, self-lubricating clutch mechanism. With a continuous loop control chain, shades can be rolled up, exposing a room to sunlight, or down, filtering light from entering a room. Control chain is available as white (plastic), black (plastic), or stainless steel (surcharge will apply).



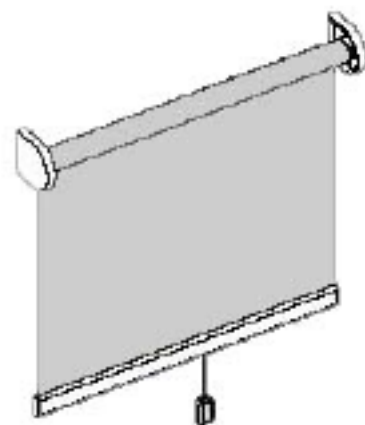
### Standard Clutch Roller Shade Surcharges:

- Stainless Steel Chain???????? \$ 12.00 per shade
- Spring Assisted Shades?????? \$125.00 per shade  
- *Spring Assist Mechanisms are required for oversized shades. Please refer to the clutch & tube fabrication chart at the back of this section for more details.*
- Fabric Wrapped Hembar?????? \$ 15.00 per shade
- External Painted Hembar?????? \$ 10.00 per shade
- Exterior Guide Wire System???? \$120.00 per shade

Minimum Width: 8"  
Maximum Width: 126"  
Minimum Height: 8"  
Maximum Height: 144"

## Spring Roller Shade

This roller shade is operated by a heavy duty spring mechanism. By pulling on a handle or draw cord attached to the hembar, shades can be rolled up, exposing a room to sunlight, or down, filtering light from entering a room.



### Spring Roller Shade Surcharges:

- Fabric Wrapped Hembar?????? \$ 15.00 per shade

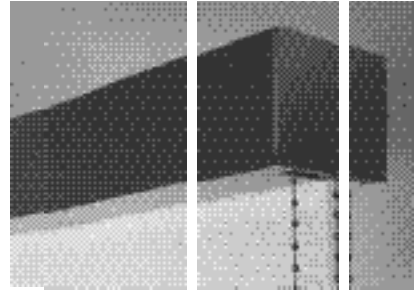
Minimum Width: 18"  
Maximum Width: 96"  
Minimum Height: 18"  
Maximum Height: 96"

# Roller Shade Valance Options

## 3" & 4" Square Aluminum Fascia Valance

The 3" & 4" Square Aluminum Fascia Valance is a "L" shaped aluminum extrusion that covers the front and bottom of the roller. This valance option locks to its brackets with snap-in fittings. The roller is concealed behind this valance and the bottom of the shade drops from the back of the valance when lowered.

- Roll: Available for regular roll only
- Color: White, Alabaster, Bronze, Black, & Clear Anodized
- Mount: Inside or Outside
- Minimum Width: 18"
- Maximum Width: 240"

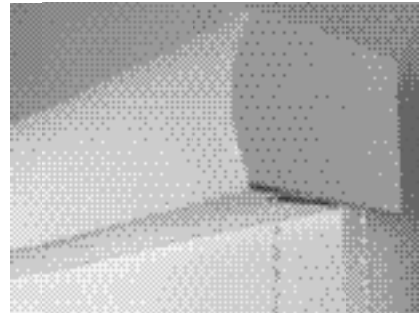


**Pricing:** Please refer to Suggested Retail Tables for Pricing.

## 3" & 4" Round Aluminum Fascia Valance

The 3" & 4" Round Aluminum Fascia Valances are an aluminum extrusion that offers a contoured face presenting a softer appearance than traditional square fascias. This valance option covers the front and bottom of the roller and locks to its brackets with snap-in fittings. The roller is concealed behind this valance and the bottom of the shade drops from the back of the valance when lowered.

- Roll: Available for regular roll only
- Color: White, Black, & Clear Anodized
- Mount: Inside or Outside (Recommended as Outside)
- Minimum Width: 18"
- Maximum Width: 240"

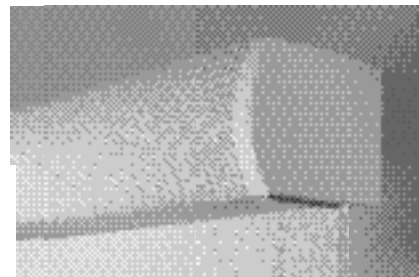


**Pricing:** Please refer to Suggested Retail Tables for Pricing.

## 3" & 4" Fabric Wrapped Fascia Valance

The 3" & 4" Fabric Wrapped Fascia Valances are the Round Aluminum Fascia Valances listed above, but include fabric matching the roller shade wrapped around the aluminum extrusion. This innovative upgrade option provides a warm look for any room. As described above with the Round Fascia Valance, this option covers the front and bottom of the roller and locks to its brackets with snap-in fittings. The roller is concealed behind this valance and the bottom of the shade drops from the back of the valance when lowered.

- Roll: Available for regular roll only
- Color: Valance fabric matches shade fabric
- Mount: Inside or Outside (Recommended as Outside)
- Minimum Width: 18"
- Maximum Width: 240"

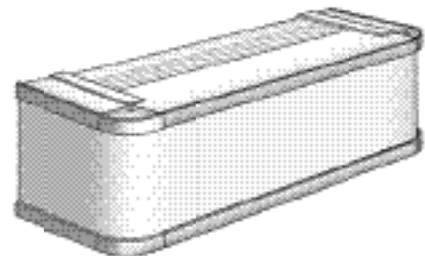


**Pricing:** Please refer to Suggested Retail Tables for Pricing.

## Inserted Fabric Valance

The Inserted Fabric Valance is a traditional dust cover vertical blind valance that uses 3 1/2" strips of roller shade fabric inserted into the groove channel of the valance. This valance features a continuous corner return that prevents the valance returns from separating from the valance.

- Roll: Available for regular roll & reverse roll shades
- Color: Valance fabric matches shade fabric
- Mount: Inside or Outside
- Minimum Width: 18"
- Maximum Width: 192"



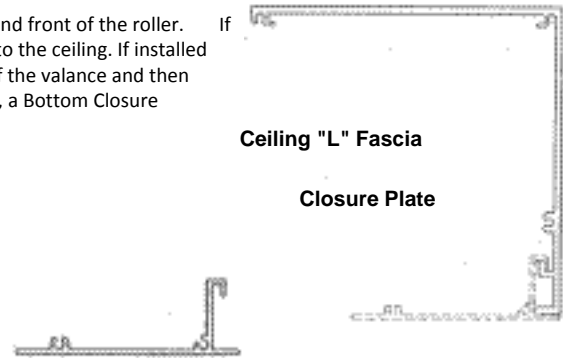
**Pricing:** Please refer to Suggested Retail Tables for Pricing.

**Ceiling "L" Fascia Valance**

The Ceiling "L" Fascia Valance is an aluminum extrusion that covers the top and front of the roller. If installed as an inside mount, one should drill through the top of the fascia into the ceiling. If installed as an outside mount, one should screw heavy duty angle irons to the top of the valance and then secure the angle irons firmly to the wall. To conceal the bottom of the roller, a Bottom Closure Plate is available. See price table for surcharge.

- Roll: Available for regular roll & reverse roll shades
- Color: White, Black, & Clear Anodized
- Mount: Inside or Outside
- Minimum Width: 18"
- Maximum Width: 240"
- Dimensions: 4 ½" x 4 ½"

**Pricing:** Please refer to Suggested Retail Tables for Pricing.

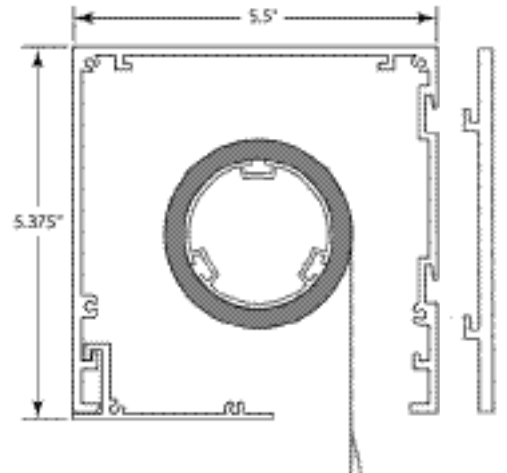


**Shade Pocket Valance without Ceiling Tile Receiver Lip**

The Shade Pocket Valance is an aluminum extrusion that covers the top, front, and back of the roller. If installed as an inside mount, one should drill through the top of the fascia into the ceiling. If installed as an outside mount, heavy duty brackets are provided. To conceal the bottom of the roller, a Bottom Closure Plate is available. See price table for surcharge.

- Roll: Available for regular roll & reverse roll shades
- Color: White & Clear Anodized
- Mount: Inside or Outside
- Minimum Width: 18"
- Maximum Width: 240"
- Dimensions: 5 ½" x 5 ¼"

**Pricing:** Please refer to Suggested Retail Tables for Pricing.

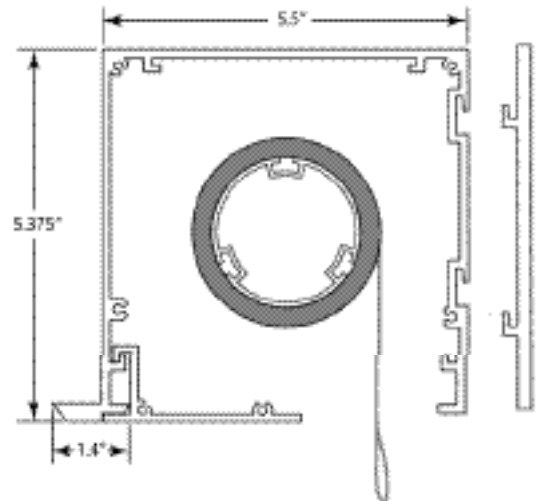


**Shade Pocket Valance with Ceiling Tile Receiver Lip**

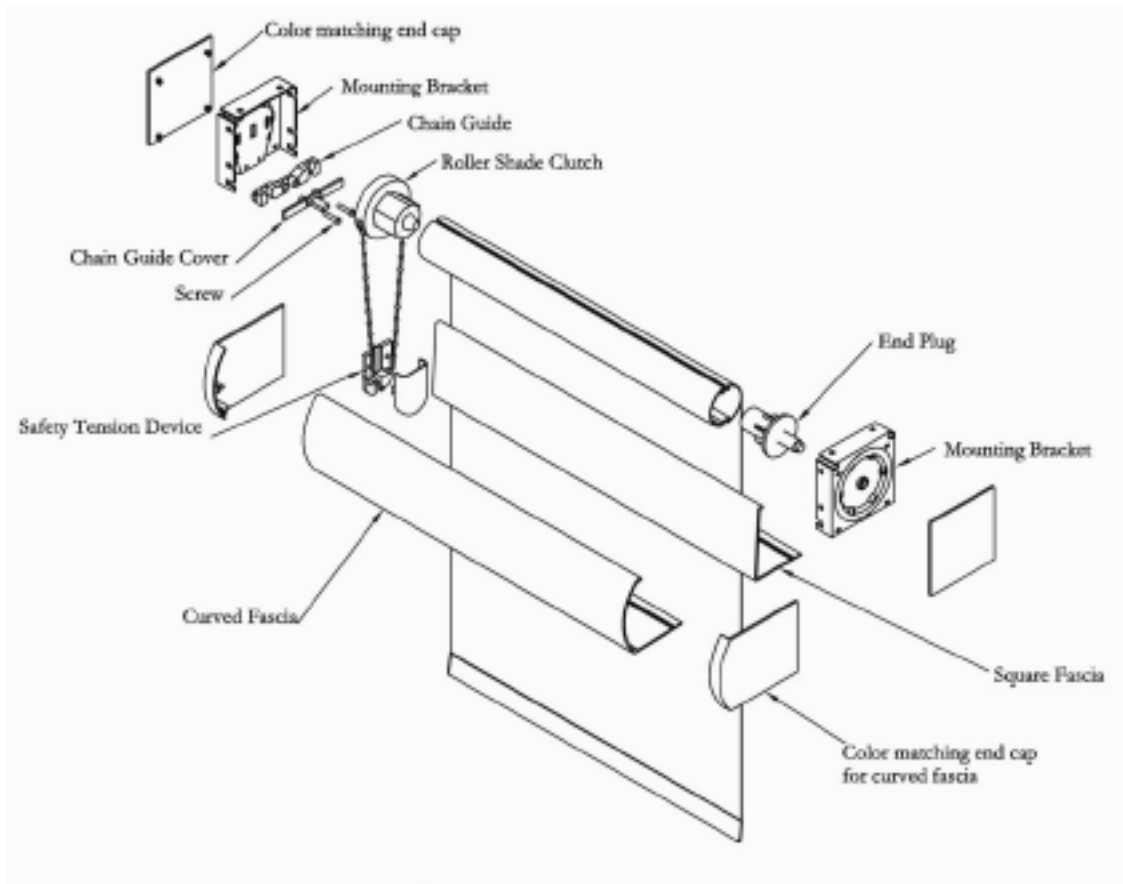
The Shade Pocket Valance is an aluminum extrusion that covers the top, front, and back of the roller. If installed as an inside mount, one should drill through the top of the fascia into the ceiling. If installed as an outside mount, heavy duty brackets are provided. To conceal the bottom of the roller, a Bottom Closure Plate is available. See price table for surcharge.

- Roll: Available for regular roll & reverse roll shades
- Color: White & Clear Anodized
- Mount: Inside or Outside
- Minimum Width: 18"
- Maximum Width: 240"
- Dimensions: 5 ½" x 5 ¼"

**Pricing:** Please refer to Suggested Retail Tables for Pricing.



## Chain Operated Clutch Roller System

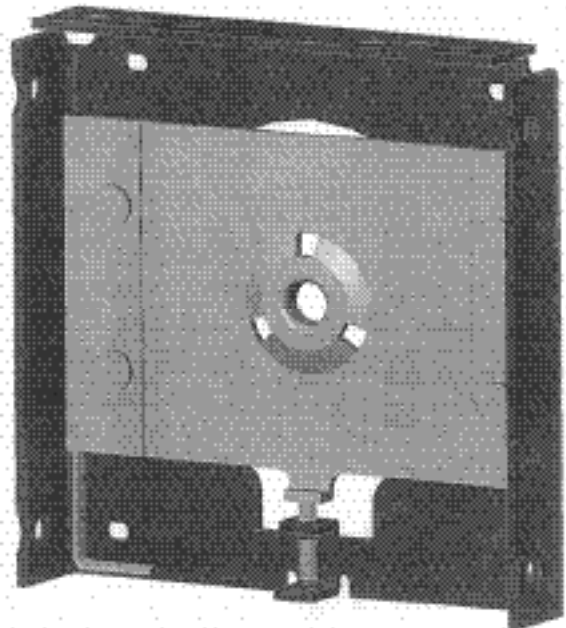


## Roller Shade Specialty Options

### New Feature - Adjustable Idler Fascia Brackets for both Clutch Operated & Motorized Shades:

Installing roller shades has never been so easy. The new and improved DuraRoll fascia bracket allows an installer to level the roller shade without removing and re-installing brackets. By removing a small allen wrench that is provided on the inside of each bracket, one can raise or lower the idler pin end of the roller shade with a simple turn of a basic set screw. This set screw is located at the bottom opening of the fascia bracket.

This adjustable idler bracket is available with clutch operated or motorized shades ordered with 3" Fascia or 4" Fascia valances.



# Clutch Roller Shade Specialty Options

## Clutch Roller Shade with Spring Assist Lift Mechanism:

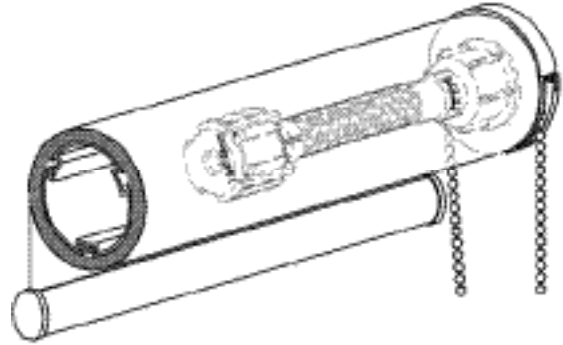
Roller shades using a spring assist lift mechanism reduce the amount of pull force required to lift heavier shades. This system is adaptable for left or right hand installations and can be used for either regular or reverse roll shades.

Spring Assisted Shades?????..\$125.00 per shade

- Please refer to the Clutch/Tube fabrication table at the back of this section to determine when a Spring Assist Lift Mechanism is required.
- Shades with Spring Assist Mechanisms are available for both right and left hand control.

### Recommended Sizes:

Minimum Width:	60"
Maximum Width:	126"
Minimum Height:	60"
Maximum Height:	144"



**New & Improved  
Spring Assist Clutch Lifting Mechanism**

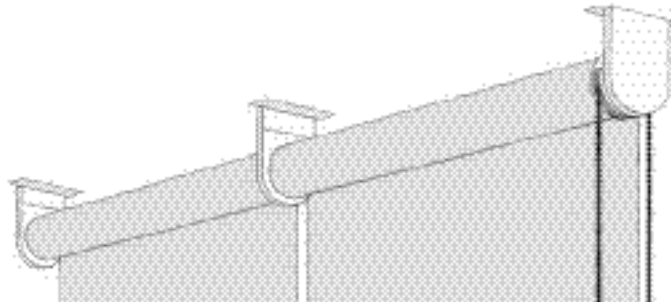
## MultiplerBand Clutch Roller Shade:

This type of roller shade joins two fabric bands and allows operation a single control chain. This intermediate bracket uses a sealed roller bearing with recessed end caps to reduce light gap between the two fabric panels.

### Note:

- Due to weight constraints, a maximum of two shades bands can be controlled from a single control chain.
- Available for use with both 1 ½" and 1 ¾" clutch mechanisms.

Minimum Width:	16"
Maximum Combined Width:	96"
Minimum Height:	8"
Maximum Height:	96"



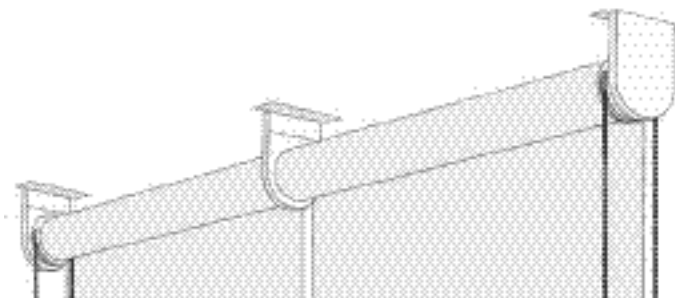
## Clutch Roller Shade with Center Support Bracket:

This specially designed bracket joins two separate roller shades together. It allows operation of two independently operated shades with two controls chains. The right chain operates the right shade, while the left chain operates the left shade. This center support bracket uses two recessed spring loaded end caps to reduce light gap between the two separate roller shades.

### Note:

- Available for use with both 1 ½" and 1 ¾" clutch mechanisms.

Minimum Width:	16"
Maximum Combined Width:	192"



### Fire Retardant Fabrics

Fabric	Number of Colors	Stocked Roll Width	Price Table
EconoScreen 5%	7	98", 118" *	2
Ferrari Soltis 99 3%	4	106"	5
Matte Vinyl Blackout	11	72"	1
Mermet ErScreen 5%	5	96"	4
Mermet ErScreen 10%	5	96"	4
Mermet MrScreen 3%	8	98"	5
Mermet MrScreen 5%	8	98"	4
Mermet MrScreen 5% Deco	4	98"	5
Mermet Vela (PVCrFree) 3%	4	118"	6
Phifer SheerWeave 2360 10%	9	98"	4
Phifer SheerWeave 2390 5%	9	98", 126" *	4
Phifer SheerWeave 2410 3%	9	98", 126" *	5
Phifer SheerWeave 2500 1%	9	98"	7
Phifer SheerWeave 2701 1%	5	98"	7
Phifer SheerWeave 2703 3%	5	98"	5
Phifer SheerWeave 2705 5%	5	98"	4
Phifer SheerWeave 2710 10%	5	98"	4
Phifer SheerWeave 3000 14%	5	96"	3
Phifer SheerWeave 4000 5%	9	98", 126"	4
Phifer SheerWeave 4100 10%	9	98"	4
Phifer SheerWeave 4400 3%	9	98", 126"	5
Phifer SheerWeave 4800 1%	12	96"	7
Phifer SheerWeave 7000 Blackout	8	94"	11
Phifer SheerWeave 7100 Blackout	6	72"	9
Phifer SheerWeave Infinity (PVCrFree) 3%	9	98"	13
Phifer SheerWeave Infinity (PVCrFree) 5%	9	98"	12

\* Certain EconoScreen colors are available at 118" wide. Please consult Mariak Technical Support for more details. 118" wide materials are in high demand and very difficult to source as a result of vendor production constraints. Thus, 118" wide materials will only be used upon request.

\* Certain Phifer SheerWeave colors are available at 126" wide. Please consult Mariak Technical Support for more details. 126" wide materials are in high demand and very difficult to source as a result of vendor production constraints. Thus, 126" wide materials will only be used upon request.

### Residential Fabrics

Cairo (PVCrFree)	3	78	4
Diamonds (PVCrFree)	4	120	8
Marblite (PVCrFree)	4	120	8
Milan (PVCrFree)	5	72	4
Noblette (PVCrFree)	4	110	10
SheerWeave 5000**	16	98	7
Suede Room Darkening	4	78	13
Vineyard (PVCrFree)	4	120	8
Woodland (PVCrFree)	5	72	4
Zute (PVCrFree)	2	72	4

\*\* Certain Phifer SheerWeave 5000 colors pass some Fire Retardant tests, but most do not pass NFPA r701. Please consult the Mariak Contract product specification manual for more details.

All the above listed fabrics are stocked by Mariak. Upon request, additional fabrics from Alkenz, Ferrari, Mermet, and Phifer may be ordered. All special order fabrics are priced based on contact quote.