NORMAN®
SHUTTERS. BLINDS. SHADES.

SOLUNA™ ROLLER SHADES

Revision Log

Date	Changes
9/10/2019	General Program Binder Updates: Combined fabric list and color coordination chart. Fabrics listed per portfolio. Pg. 7, 8: Added 46 **NEW** Roller fabrics, *Fall 2019 Collection* Pg. 6: Updated Emery collection max width: 110" Pg. 5-10: Updated color coordination chart (added 5 new end cap colors) Pg. 10, 17: Added option to override color coordination on Curved Fascia with fabric end caps."

10/18/19	Spring 2019 fabrics marked in blue. Fall 2019 fabrics marked in green.
	
	Pg. 6: Extened max fabric width to 110" for additional *Francis* colors.
	Pg. 9: Expended max fabric to 118" for *A400 (3%), A100 (3%), A400 (5%)*.
	Pg. 10: Discontinued 2 colors: F0457 & F0449.
	      Added list of colors that may be phased out by the end of the year.
	      Added annotations to fabric list.
	Pg. 18: Added keystone measure guideline notes.
	Pg. 20: Updated fiberglass pole picture. Removed 32" metal pole.

12/05/2019	General Update: Fabric Width Illustrations have been combined with Fabric Width Deductions info, under Size Deduction section. Pg. 10, 21: Added notes on color coordination for fabric-wrapped hem bars Pg. 11: Added linen fabric disclaimer- applies to Maui & Breeze collections. Pg. 13, 14: Removed Spring Assist option for Continuous Cord Loop and SmartRelease shades. Pg. 21: Updated shade height ranges for default chain lengths in SmartRelease. Pg. 22: Updated hold-down info Pg. 25: Added new installation option: *Install on a door.* Pg. 26: Updated fabric width deductions on a Cordless shade. Pg. 27, 28: Revised fabric width deduction formulas. Actual fabric width deductions did not change.
12/23/2019	Pg. 20: Updated pole sizes Pg. 10: Discontinued 3 fabric colors: F0458, F0459 and F0843 *(Loft Collection is discontinued)* Pg. 23: Removed discontinued fabrics as an option on a Dual Shade Top Light Guard piece.

Table of Contents

Features & Benefits

- The latest sheers, light filtering, solar screen and room darkening fabrics; select fabrics are NFPA 701 and GREENGUARD certified.

- Safer lift systems, including our PrecisionLift™ Cordless– certified WCMA Best for Kids™

    - PrecisionLift™: also known as our new cordless roller shade. To lower, gently pull the shade by the handle to the desired location. To raise, simply push the hem bar to the desired location. No additional pulling or tugging is required.
    - Tension adjustment dial allows you to fine tune when necessary

- Choose from a wide array top treatment options to cover the fabric roll, including curved and square fascia, fabric valance or deluxe wooden valance.

- Optional innovative Light Guard mounts to the window and helps achieve maximum light block effect even on the top and sides.

- Hem bar options

    - Plain Hem Bar: Clean, sleek and sturdy; perfectly weighted to provide seamless function.
    - Fabric-wrapped Hem Bar: The matching fabric wrap provides a more uniform look throughout the shade

Lift Systems & Applications

- PrecisionLift™ Cordless
- Continuous Cord Loop
- SmartRelease™
- Motorized
- *Applications:* Side by Side, Dual Shades, & Coupled Shades

Installation Types:

Window and Door Applications

Room Darkening Fabrics

Collection Name	Fabric Code	Color Code	Color Name	Price Group	Max Width	Material	Fascia (Plain) / Hem bar (Plain & back Fabric-Wrapped) / Chain / Clutch / Misc. Components	Curved Fascia (w/ fabric) end caps / Hem bar (w/ fabric) end caps
Garden	AB0620	F0853	RD Foliage	4	94.5"	100% Polyester	White	White
Luxe	AB0610	F0817	Snow	3	94.5"	100% Polyester	White	White
		F0818	Flint				Ivory	Ivory
		F0819	Espresso				Black	Chocolate
		F0820	Dusted Moss				Ivory	Ivory
		F0821	Ink				Black	Black
Cambria	AB0625	F0850	Ivory	2	118"	100% Polyester with foam backing	Ivory	Nature
		F0851	Parchment				Black	Black
		F0852	Jet				Black	Black
Jewel	AA0314	F0652	Sugar Peach* ⬇	3	118"	100% Polyester	Ivory	Ivory
Glamour	AB0626	F0841	Persimmon	1	118"	100% Polyester with foam backing	White	White
		F0842	Limelight				White	White
		F0844	Aquamarine				White	White
		F0845	North Sea				White	White
		F0846	Rose				White	White
		F0848	Violet				White	White
		F1108	White				White	White
		F1109	Stone Gray				Black	Silver
		F1110	Broken White				White	White
		F1111	Cloudy Gray				White	White
		F1112	Gray				Black	Silver
		F1113	Anthracite Gray				Black	Black
Maui	AB0614	F0830	Almond	2	106"	80% Polyester, 20% Linen	White	White
Jamaica	AB0613	F0827	Latte	2	94.5"	100% Polyester	White	White
		F0828	Crystal				White	White
		F0829	Biscuit				White	White
Bermuda	AB0612	F0831	Mushroom	2	94.5"	100% Polyester	Ivory	Ivory
		F0832	Cocoa				Black	Chocolate
		F0834	Charcoal				Black	Black
Fiji	AB0611	F0822	Pure White	2	90"	100% Polyester	White	White
		F0823	Cream/Ash				White	White
		F0824	Flax/Brown				Ivory	Ivory
		F0825	Chocolate/Cream				Black	Black
		F0826	Charcoal/Brown				Black	Black
Bridget	AA0303	F1030	Cream	4	110"	100% Polyester with foam backing	White	White
	AA0303	F1041	Latte				Ivory	Sahara

⬇ *Phasing-out by the end of the year.

* **NFPA 701 compliant (Flame Resistant)**   * **GREEENGUARD Certified**   * **Water Resistant**

Light Filtering Designer Fabrics

Collection Name	Fabric Code	Color Code	Color Name	Price Group	Max Width	Material	Fascia (Plain) / Hem bar (Plain & back Fabric-Wrapped) / Chain / Clutch / Misc. Components	Curved Fascia (w/ fabric) end caps / Hem bar (w/ fabric) end caps
Kendra	AB0619	F0890	LF Foliage	4	106"	100% Polyester	White	White
Francis	AB0615	F0881	Mink	2	106"	100% Polyester	Black	Chocolate
		F0883	Brownie				Black	Chocolate
		F0876	Pearl		110"		Ivory	Ivory
		F0877	Barley				Ivory	Ivory
		F0878	Sandstone				Ivory	Sahara
		F0879	Toast				Black	Black
		F0882	Espresso				Black	Black
		F0884	Oatmeal				Ivory	Ivory
		F0885	Doe				Black	Black
		F0886	Shale				Black	Chocolate
		F0887	Jet				Black	Black
		F0888	Black				Black	Black
		F0889	Denim				White	White
Breeze	AB0631	F0891	Linen Flax	3	110"	85.4% Polyester, 14.6% Linen	Ivory	Ivory
		F0892	Linen Sand				White	White
		F0893	Linen Natural				White	White
		F0894	Linen Khaki				Ivory	Ivory
		F0895	Linen Dune				Ivory	Sahara
		F0896	Linen Graphite				Ivory	Terra
		F0927	Linen Almond Milk				White	White
Clarissa	AB0629	F0870	Wheat	3	110"	100% Polyester	White	White
		F0871	Platinum				White	White
	AB0630	F0872	Tobacco Brown				White	Sahara
		F0873	Sable Brown				Ivory	Black
		F0874	Burlap				Black	White
		F0928	Porcelain				White	White
Hayes	AA0318	F0747	Maple	2	106"	100% Polyester	Ivory	Terra
		F0748	Hickory				Ivory	Ivory
		F0749	Birch				Black	Black
		F0750	Rosewood				Black	Black
		F0751	Mahogany				Black	Black
Valerie	AA0317	F0738	Moonscape	2	106"	100% Polyester	White	White
		F0739	Cove				White	Terra
		F0740	Dolphin				White	Silver
		F0741	Pomegranate				Black	Black
		F0742	Sapphire				Black	Black
		F0743	Silhouette				Black	Black
Emery	AB0604	F0752	Daylight	2	110"	100% Polyester	White	White
		F0753	Creamy				White	White
		F0754	Khaki				Ivory	Ivory
Brook	AB0638	F1120	Pewter	1	110"	100% Polyester	White	Silver
		F1121	Egret				White	White
		F1122	Smoke				White	White
		F1123	Beige				Ivory	Ivory
		F1157	Latte				Ivory	Ivory

Light Filtering Sheer & Natural Fabrics

Collection Name	Fabric Code	Color Code	Color Name	Price Group	Max Width	Material	Fascia (Plain) / Hem bar (Plain) / Chain / Clutch / Misc. Components	Curved Fascia (w/ fabric) end caps / Hem bar (w/ fabric) end caps
		Fabric List					**Color Coordination**	
Sheer	AB0618	F0902	Sheer Foliage	2	106"	100% Polyester	White	White
	AB0622	F0904	Palm		106"	100% Polyester	White	White
	AB0632	F0908	Linen Weave		110"	100% Polyester	White	White
	AB0616	F0835	Sweet Cream		106"	100% Polyester	White	White
		F0837	Frost				White	Silver
		F0836	Pumpkin				Ivory	Ivory
		F0838	Onyx				Black	Black
	AB0621	F0903	Garden* ⬇	4	106"	100% Polyester	White	White
Aruba	AB0606	F0860	Sparkle Ivory	3	96"	30.8% Polyester, 57.8% Paper, 11.4% Jute	Ivory	Ivory
		F0861	Sparkle Khaki				Ivory	Sahara
		F0862	Sparkle Espresso				Black	Black
Caroline	AB0608	F0867	White sand	3	96"	22% Polyester, 61% Paper, 17% Jute	White	White
Samoa	AB0607	F0863	Daylight	2	96"	23% Polyester, 26% Paper, 51% Jute	White	White
		F0864	Sand				Ivory	Ivory
		F0865	Cumin				Ivory	Ivory
		F0866	Old Teak				Black	Black
Bali	A90105	F0668	Black Walnut	2	72"	74% Jute, 26% Polyester	Black	Black
Phuket	A90103	F0656	Snow White	2	96"	82% Paper, 18% Polyester	White	White
		F0657	Honey				Ivory	Sahara
		F0658	Cocoa				Ivory	Chocolate
		F0659	Black Olive				Black	Black
		F0660	Grey Fog				White	White
		F0661	Dust				Ivory	Sahara
		F0868	Dough				Ivory	Ivory
Bora Bora	A90104	F0662	Seashell White	2	96"	82% Paper, 18% Polyester	White	White
		F0663	Straw				Ivory	Ivory
		F0869	Cinnamon				Ivory	Chocolate
Sumatra	AB0605	F0854	Fog	2	96"	22% Polyester, 78% Paper	Black	Black
		F0855	Redwood* ⬇				Ivory	Chocolate
Java	AB0609	F0856	Raffia	2	78"	9% Polyester, 91% Paper	Ivory	Chocolate
		F0857	Haystack				Ivory	Ivory
		F0858	Natural				Ivory	Sahara
		F0859	Sage				White	White
Riviera	AB0651	F1290	Frost	2	96"	Paper 84% Polyester 16%	White	White
		F1291	Sugar Cane				White	White
		F1292	Honey				Ivory	Sahara
		F1293	Metal				Black	Black

⬇ *Phasing-out by the end of the year.

Solar Screen Fabrics

Fabric List				Price Group	Max Width	Material	Color Coordination	
Collection Name	Fabric Code	Color Code	Color Name				Fascia (Plain) / Hem bar (Plain **& back Fabric-Wrapped**) / Chain / Clutch / Misc. Components	Curved Fascia (w/ fabric) end caps / Hem bar (w/ fabric) end caps
Serene 1%	AB0639	F1158	Snow White	2	118"	100% Polyester	White	White
		F1150	Silver				White	Silver
		F1149	Umber				Black	Terra
		F1151	Steel				Black	Silver
Flow 5%	AB0640	F1159	Polar White	2	118"	100% Polyester	White	White
		F1152	Wheat				White	Nature
		F1154	Quarry Stone				White	Silver
		F1153	Ink				Black	Black
Serene 3%	AB0439	F1232	Snow White	2	118"	100% Polyester	White	White
		F1233	Silver				White	Silver
		F1234	Umber				Black	Terra
		F1235	Steel				Black	Silver
Serene 7%	AB0441	F1240	Snow White	1	118"	100% Polyester	White	White
		F1241	Silver				White	Silver
		F1242	Umber				Black	Terra
		F1243	Steel				Black	Silver
Flow 1%	AB0442	F1244	Polar White	2	118"	100% Polyester	White	White
		F1245	Wheat				White	Nature
		F1246	Quarry Stone				White	Silver
		F1247	Ink				Black	Black
Flow 7%	AB0443	F1248	Polar White	1	118"	100% Polyester	White	Silver
		F1249	Wheat				White	White
		F1250	Quarry Stone				White	Nature
		F1251	Ink				Black	Silver
Windsong 1%	AB0444	F1252	Soft White	2	118"	100% Polyester	White	White
		F1253	Canvas				Ivory	Ivory
		F1254	Graphite				Black	Black
		F1255	Raven Black				Black	Black
Windsong 5%	AB0446	F1260	Soft White	1	118"	100% Polyester	White	White
		F1261	Canvas				Ivory	Ivory
		F1262	Nickel				Black	Silver
		F1263	Graphite				Black	Black
		F1264	Eclipse				Black	Black
		F1265	Raven Black				Black	Black
Lakeview 3%	AB0449	F1270	Light Taupe	3	118"	100% Polyester	White	Nature
		F1271	Sand Drift				Ivory	Terra
Lakeview 7%	AB0447	F1266	Flax	3	118"	100% Polyester	White	Nature
		F1267	Yellow Stone				Ivory	Terra
Lakeview 10%	AB0448	F1268	Frost Gray	3	118"	100% Polyester	Black	Silver
		F1269	Java				Black	Chocolate
Meadows 1%	AB0451	F1274	Travertine	3	118"	100% Polyester	White	Nature
		F1275	Mushroom				Black	Black
		F1276	Sun Buff				Black	Chocolate
Meadows 3%	AB0450	F1272	Rustic Brown	3	118"	100% Polyester	Black	Chocolate
		F1273	Earth Brown				Black	Chocolate
Jubilee 3%	AB0452	F1280	Egg Shell	3	118"	100% Polyester	White	White
		F1277	Sweet Cream				White	White
		F1278	Steel Blue/Beige				Black	Silver
		F1279	Chestnut				Black	Terra
		F1281	Coal				Black	Black

All Solar Screens are NFPA 701 compliant (Flame Resistant) & GREENGUARD Certified

UV Ray/Light blockage is the inverse of the Solar openness factor. *ie (5 %) blocks 95% UV rays and light*

PVC FREE

BACK TO TOP

Solar Screen (Commercial/PVC) Fabrics

Collection Name	Fabric Code	Color Code	Color Name	Price Group	Max Width	Material	Fascia (Plain) / Hem bar (Plain **& back Fabric-Wrapped**) / Chain / Clutch / Misc. Components	Curved Fascia (w/ fabric) end caps / Hem bar (w/ fabric) end caps
A300 (1%)	AB0420	F0355	Pearl	2	118"	30% Polyester, 70% PVC	White	White
		F0356	Pearl/Linen				White	White
		F0357	Pearl/Pewter				White	White
		F0359	Charcoal/Gray				Black	Black
		F0358	Charcoal/Chestnut				Black	Black
A400 (1%)	AB0424	F0378	Charcoal	2	118"	30% Polyester, 70% PVC	Black	Black
		F0379	Charcoal/Chestnut				Black	Black
		F0380	Charcoal/Gray				Black	Black
A300 (3%)	AB0421	F0360	Pearl	1	118"	30% Polyester, 70% PVC	White	White
		F0361	Pearl/Linen				Ivory	Ivory
		F0362	Pearl/Pewter				White	White
		F0363	Charcoal/Chestnut				Black	Black
		F0364	Charcoal/Gray				Black	Black
A400 (3%)	AB0425	F0381	Chalk	1	118"	30% Polyester, 70% PVC	White	White
		F0382	Chalk/Beige				Ivory	Ivory
		F0384	Charcoal				Black	Black
A100 (3%)	AB0428	F0400	Oyster/Beige	1	118"	30% Polyester, 70% PVC	Ivory	Ivory
		F0404	Black/Straw				Black	Chocolate
A820 (3%)	AB0429	F0407	Oyster/Pewter	2	118"	30% Polyester, 70% PVC	White	Silver
A300 (5%)	AB0422	F0365	Pearl	1	118"	30% Polyester, 70% PVC	White	White
		F0366	Pearl/Linen				Ivory	Ivory
		F0367	Pearl/Pewter				White	White
		F0368	Charcoal/Chestnut				Black	Black
		F0369	Charcoal/Gray				Black	Black
A400 (5%)	AB0426	F0387	Chalk	1	118"	30% Polyester, 70% PVC	White	White
		F0388	Chalk/Beige				White	White
		F0389	Chalk/Pewter				White	White
		F0391	Charcoal/Chestnut				Black	Black
		F0390	Charcoal				Black	Black
AB600 (5%)	AB0628	F0897	Wave	3	98" Railroad: 98" to 118"	30% Polyester, 70% PVC	Ivory	Terra
		F0898	Tweed				Ivory	Chocolate
AB600 (8%)	AB0627	F0899	Cappuccino	3	98" Railroad: 98" to 118"	30% Polyester, 70% PVC	Ivory	Chocolate
		F0900	Smoke				Black	Black
A300 (10%)	AB0423	F0370	Pearl	1	118"	30% Polyester, 70% PVC	White	White
A400 (10%)	AB0427	F0396	Charcoal	1	118"	30% Polyester, 70% PVC	Black	Black
W120 (12%)	AB0436	F0443	Chalk	2	98" Railroad: 98" to 118"	15% Polyester, 85% PVC	White	White
		F0444	Beige				Ivory	Ivory
		F0445	Sandstone				Ivory	Nature
		F0446	Tawny				Ivory	Ivory
		F0447	Pewter				Black	Black
		F0448	Chestnut*⬇				Black	Black

⬇ *Phasing-out by the end of the year.

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BACK TO TOP

9

Fabric List & Information

Max Fabric Width

- *Max Width* is considered the max available before railroading, and/or before additional lift system limitations. It is not the max order shade width. See Size Considerations.
- The size range is provided for fabrics available to railroad, under *Max Width column.* All other fabric are not available to railroad.

Color Coordination:

Each fabric has a set of pre-coordinated default hardware colors. If you wish to override these default colors, please specify in your order selection. Components that available to override color coordination include:

	Stainless Steel	White	Ivory	Black	Silver	Nature	Terra	Sahara	Chocolate
Chain	✓	✓	✓	✓					
Square Facia (Plain) /Curved Fascia (Plain)	N/A	✓	✓	✓			N/A		
Hem Bar (Plain)		✓	✓	✓					
Curved Fascia with Fabric End Caps		✓	✓	✓	✓	✓	✓	✓	✓
Fabric-Wrapped Hem Bar End Caps		✓	✓	✓	✓	✓	✓	✓	✓

1. **Only End Caps on fabric-wrapped components are available with the 8 colors above*.
2. All other components will coordinate between *White, Ivory, and Black* only.
3. *Miscellaneous Components* such as Raceway, Tension Dial, shade bracket, the back of a fabric-wrapped hem bar and other parts have defaulted color coordination between *White, Ivory, and Black,* based on the selected fabric. Not available for color override.
4. Dual shades: Dual brackets and bracket covers are matched with the color of the front shade. Other components such as clutch, end plug, bead chain, and hem bar, will be matched to the fabric of each shade based on the color coordination chart above.

Discontinued Fabrics:
The following fabrics are no longer available.
Please remove from samples immediately.

Room Darkening
- **F0456 Mustard** in Loft AA0310
- **F0455 White** in Loft AA0310
- **F0833 Gray** in Bermuda AB0612
- **F0847 Raspberry** in Glamour AB0626
- **F0849 Snow White** in Cambria AB0625
- **F0653 Brilliant White** in Jewel AA0314
- **F0457 Graphite** in Loft AA0310
- **F0458 Blue** in Loft AA0310
- **F0459 Linen** in Loft AA0310
- **F0843 Willow** in Glamour AB0626

LF Designer
- **F0756 Toffee** in Emery AB0604
- **F0757 Onyx** in Emery AB0604
- **F0880 Mocha** in Francis AB0615

LF Sheer & Natural
- **F0666 Natural** in Bali A90105
- **F0667 Tan** in Bali A90105

Solar Screen (Commercial/PVC)
- **F0449 Charcoal** in W120 (12%) AB0436

⬇**Fabric Phase-out:

*The following fabrics are **currently available** but are being phased out by the end of the year.*

Room Darkening
- **F0652 Sugar Peach** in Jewel AA0314

LF Sheer & Natural
- **F0903 Garden** in Sheer AB0621
- **F0855 Redwood** in Sumatra AB0605

Solar Screen (Commercial/PVC)
- **F0448 Chestnut** in W120 (12%) AB0436

Fabric List & Information

Railroading

Fabrics can be turned 90° space clockwise (width for height) to accommodate wider windows. Railroaded fabrics may curl along the edge. This is considered normal and is not a product defect. Railroading may be required a few inches smaller than the fabric width and width due to factors, such as standard fabric deductions, allowances for fabric to be attached to the roller tube, etc. For fabrics with distinct patterns, if certain shades require railroading, it is optional to railroad shades on the same order for a consistent look.

Opacity and Light Control

Fabric Opacity	Description	Privacy Level
Sheer	Provides an atmospheric touch with significant view-through while softening the outside view. Objects in the room can be seen clearly through sheer shades.	Minimal
Light Filtering	Offers a wide range of light diffusion from bright to dim. Shapes or outlines may be seen through these shades but details are not visible.	Medium
Room Darkening	Blocks a significant amount of incoming light and provides maximum privacy. A perfect choice for rooms where blackout and privacy control is a must.	High

Fabric Disclaimers

Due to the nature of the weaving process, some imperfections in the weave is considered normal. Fabric appearance can vary based on the indoor light intensity. Railroaded fabrics may curl along the edge. This is not a defect and is considered normal. Due to variations in fabric and dye lots, colors or sheens may vary slightly. It is recommended that all shades for the same room be ordered at the same time to help ensure color consistency.

Natural shades may have variations and visual inconsistencies in color, grain and texture. They may also crack or split, twist or bow, shrink or stretch, and change color over time due to aging, texture, direct exposure to sunlight, or other climatic conditions. These unique characteristics are inherent in natural materials and are not considered defects in material or workmanship. Exact color matches cannot be guaranteed.

Linen Fabrics
Maui and Breeze collections contain linen components. The natural, inherent characteristics of linen may lead to color variation when shades are ordered at different times.

Solar Screen Openness factor refers to approximately how tight the weave is. Solar screen fabrics have different textures and patterns, and the angle of the yarns can affect the passage of the light. A low openness factor means the fabric is more tightly woven and that there will be less visibility through the shade with a higher degree of light control. A high openness factor provides better view-through with a lesser degree of light control. It is within industry standard that solar screen fabrics have a minimum tolerance level of +/- 10% in openness factor. As a result, openness cannot be used to determine visibility, glare and thermal control.

During the shipping process, the material may shift slightly due to its woven construction, causing slight shortening or uneven edges. There may also be slight creases in fabric. To remove creases, immediately unroll the shade completely, extend, and let it hang for several days.

Lift Systems - PrecisionLift™ Cordless
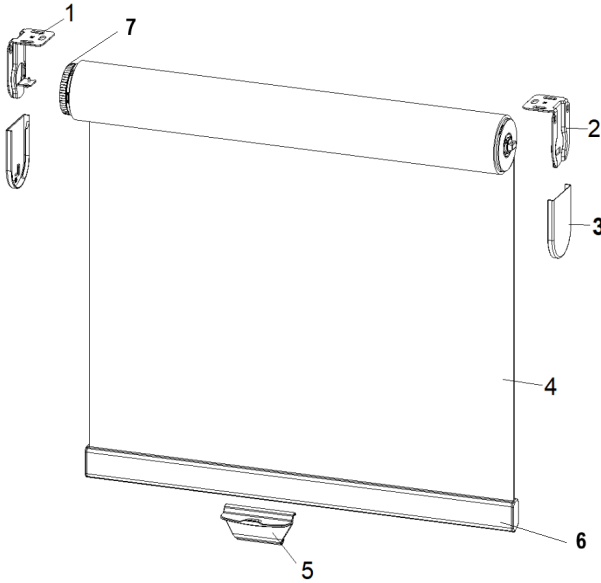
No.	Description	Remark
1	Shade Bracket	For Tension Dial end
2	Shade Bracket	For End Plug end
3	Bracket Cover	Default for inside & outside mount
4	Fabric	
5	Handle	
6	Hem Bar	
7	Tension Adjustment Dial	

PrecisionLift™ also known as Cordless, is our newest lift system available for roller shades.

Featuring exclusive one-touch lift technology for quick, accurate, and nimble control. To lower, gently pull the shade by lifting the handle to the desired position. To raise, just push the Hem Bar to the desired location. No additional pulling or tugging is required.

If the shade does not stay at the desired location, it can be fine-tuned with the tension adjustment dial.

Notes:
- Raceway is optional for cordless when ordered without top treatment. Raceway is default when ordered with a top treatment.
- Cordless is not available for Coupled Shades.
- One pole will be provided per cordless shade order. Additional poles can be requested.

Important Disclaimers & Tips:

Aligned hem bar level: For side by side PrecisionLift™ Cordless shades, the amount of hem bar exposed when the shade is raised all the way to the top may vary, depending on speed when lifting the shade and other factors. Therefore, we can't guarantee the hem bars are lined up perfectly when shades are raised to the top.

Telescoping: To prevent telescoping, first ensure the shade is installed in a level manner; using shims if necessary. Additionally, the handle must be placed in the center of the hem bar. (Refer to diagrams below.)
If telescoping occurs, lower the shade completely and slowly raise it applying even pressure to correct the alignment.

The center of the handle should be aligned with the label.
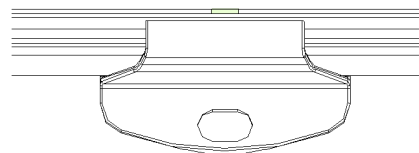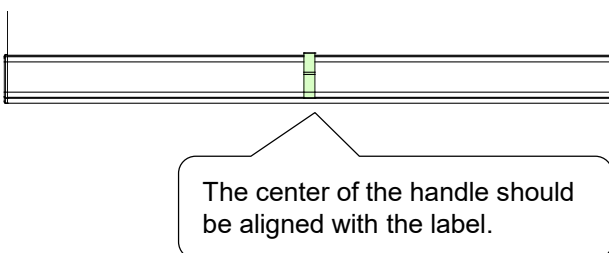
Lift Systems – Continuous Cord Loop

For Continuous Cord Loop, the Raceway is only optional when there is no top treatment. When any type of top treatment is selected, raceway will be included by default.

OM Raceway

IM Raceway
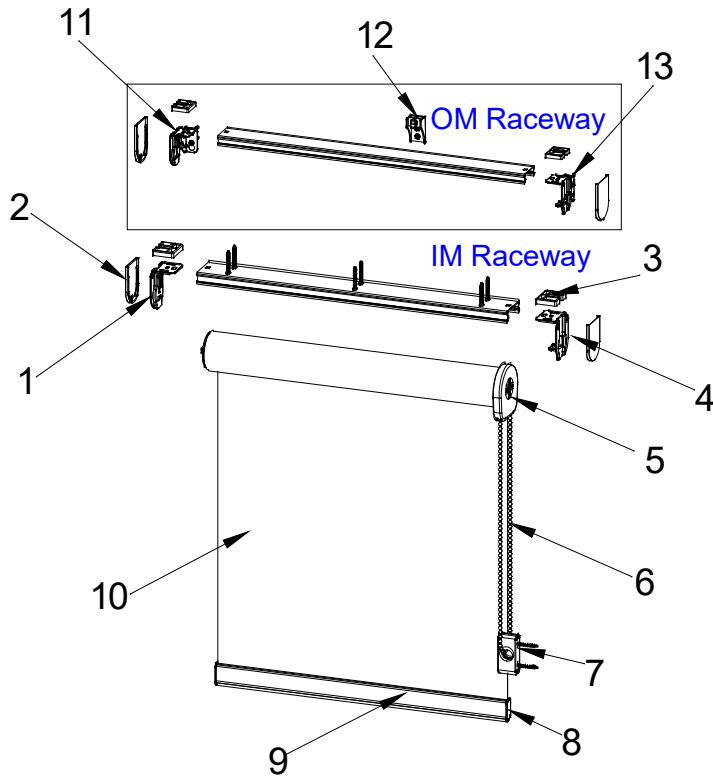
No.	Description	Remarks
1	Shade Bracket	For inside mount end plug side
2	Bracket Cover	Default for IM & OM
3	Extension	
4	Shade Bracket	For IM clutch side
5	Clutch	
6	Chain	
7	Safety Tension Device	
8	Hem bar End Cap	
9	Hem bar	
10	Fabric	
11	Raceway Installation Bracket	For OM end plug side
12	Middle Installation Bracket	For OM when shade width is over 40"
13	Raceway Installation Bracket	For OM Clutch side

Without Raceway
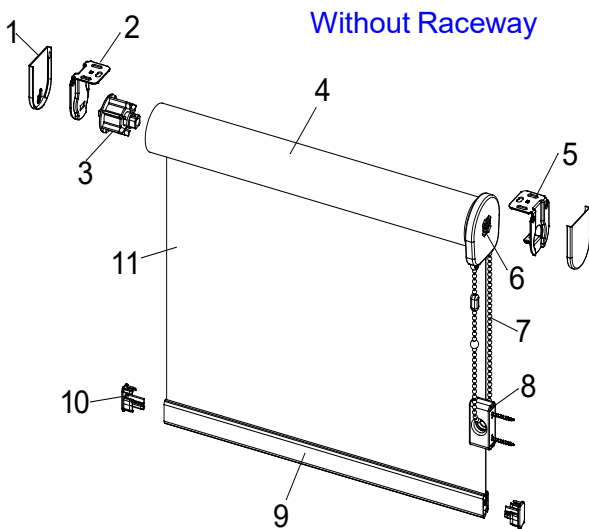
No.	Description	Remarks
1	Bracket Cover	Default for IM & OM
2	Shade Bracket	For end plug side
3	End Plug	
4	Tube	
5	Shade Bracket	For clutch side
6	Clutch	
7	Chain	
8	Safety Tension Device	
9	Hem Bar	
10	Hem Bar End Cap	
11	Fabric	

Lift Systems – SmartRelease™ (Includes Raceway)

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.

- Raceway is provided for SmartRelease™, whether or not there is a top treatment.
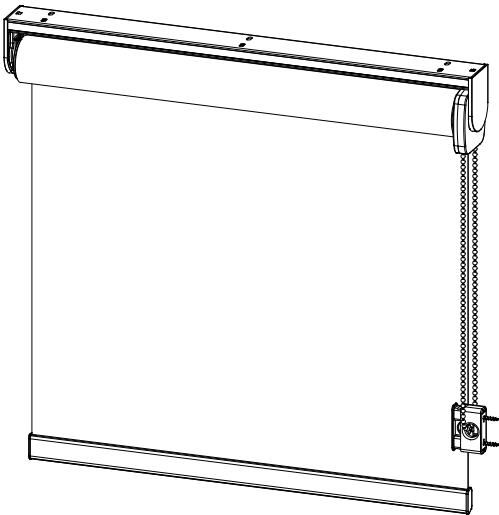
Motorization
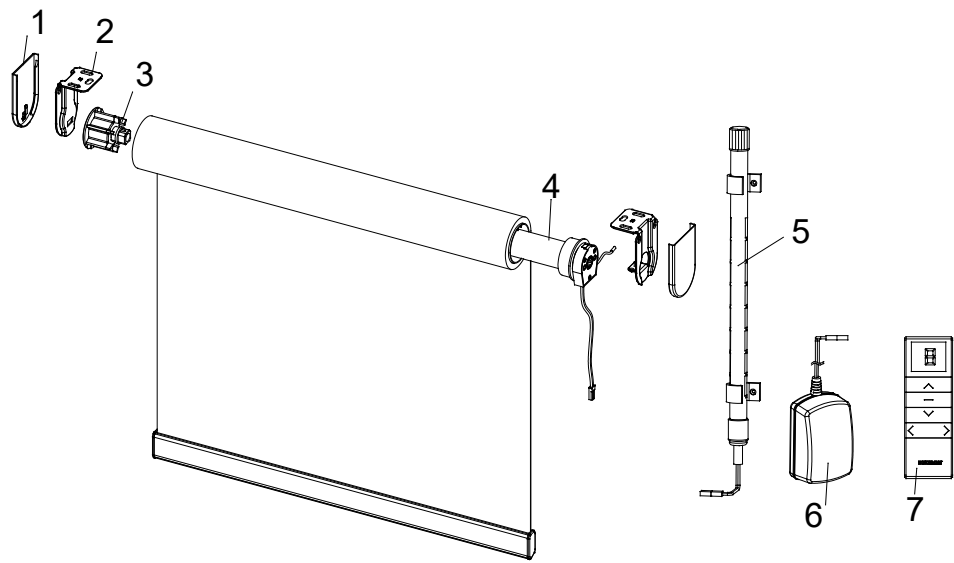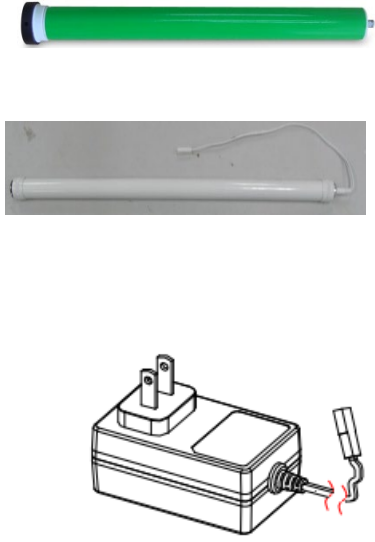
No.	Description
1	Bracket Cover
2	Shade Bracket
3	End Plug
4	Motor
5	Battery Wand (optional)
6	AC Adaptor (optional)
7	Remote Control

The Pro-Lift™ comes battery & AC powered motors; controlled by a 15-channel remote which operates multiple shades individually, or simultaneously. Each shade must be assigned its own channel.

Lift Systems – Motorization

Motor/Remote	Specifications	Image

Pro-Lift™ 25CE	**Battery Wand**
	• Battery operated: recommended for smaller shades (Requires 8 AA batteries. Batteries not included.)
	• 12" power cord length
	  • (Optional) 48" or 96" extension power cords
	• Uses 1 ¾" tube
	• Size Limitations:
	
	           Width / Height
	    Min 14" 12"
	    Max 96" 144"
	
	AC Adaptor
	• Input: 100-240V-50/60Hz 0.6A
	• Output: 12V-2.0A
	• 59" cable length
	• Dimensions: 2" (W) x 1 3/8" (L) x 3" (H)
	• CE certified	

Pro-Lift™ 25TE	**118" power cord with plug****
	• Operating voltage: 110 – 240 V
	• Uses 1 ¾" tube
	• Size Limitations:
	
	           Width / Height
	    Min 20" 12"
	    Max 96" 144"
	
	**To direct wire, the plug can be removed by a licensed electrician.	

Pro-Lift™ 35E	**118" power cord with plug****
	• Operating voltage: 120 V
	• Uses 2" tube size
	• Size Limitations:
	
	           Width / Height
	    Min 27" 12"
	    Max 118" 144"
	
	**To direct wire, the plug can be removed by a licensed electrician.	

15-Channel Remote Control	• Compatible with the above motors • RF technology operates shades up to 65 feet away • Operates 15 channels individually or simultaneously. (One shade per channel) • Programmed at the factory before shipping • Requires 1 Lithium cell battery (CR2450 3V; battery not included)	

Pro-Lift™ 25CE — Size Limitations:

	Width	Height
Min	14"	12"
Max	96"	144"

Pro-Lift™ 25TE — Size Limitations:

	Width	Height
Min	20"	12"
Max	96"	144"

Pro-Lift™ 35E — Size Limitations:

	Width	Height
Min	27"	12"
Max	118"	144"

Lift Systems – Applications

Dual Shades
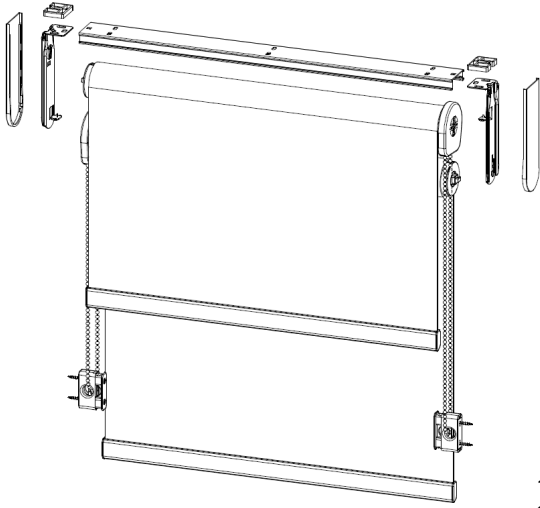
- Like two shades in one, Dual Shades feature one shade behind another- allowing for ultimate light and privacy control
- <u>Available in all Lift Systems</u>
- Each shade is controlled independently and can be assigned its own lift system
    - Front shade - reverse roll, rear shade -standard roll
    - Control location: front shade - right, read shade - left
- Available with No Top Treatment or 7" Fabric Valance
- The raceway is an integral part of the dual shade design and will be provided.

Notes:
1. The minimum (width & height) is based on the larger of the two minimums
2. 1 ¾" tube will always be used for dual shades with mixed lift systems

Coupled Shades

- Great for side by side windows with small gaps
- Coupled shades allow two shades to be operated together by one control
- Available Lift Systems: **Continuous Cord Loop, & Motorized**
- Not available with:
    - SmartRelease™
    - PrecisionLift™ Cordless
    - Raceway or Top Treatments

Note: Supplied spacer blocks must be installed to compensate for height difference

1 3/4" tube: Gap=0.87"
2" tube: Gap=0.94"
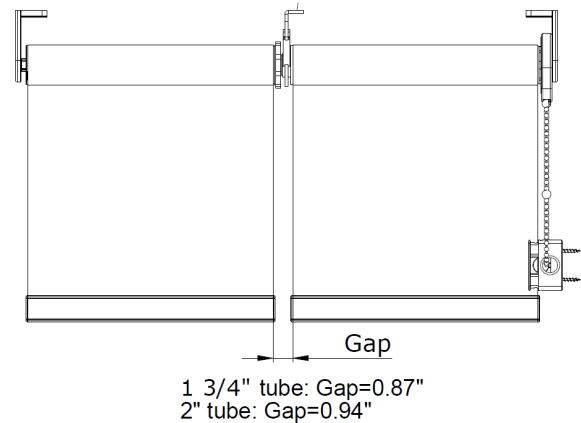
Side by Side Shades

Side by Side shades can be selected to match shades within the line items of your order.
- Must have the same lift system
- Must have the same application (ie. cannot match a Dual Shade with a Coupled Shade)
- Must have the same Top Treatment

Top Treatments: Fascia & Valance Options

Options	Color/Material	Sizes	Remark
Curved Fascia	**Plain:** White, Ivory, and Black **With fabric insert:** **Fabric:** Defaulted to the selected shade fabric. **End Cap:** White, Ivory, Natural, Terra, Sahara, Chocolate, Silver, and Black	3 ½" or 4 ½" *	For Curved Fascia with fabric insert, the max width is subject to fabric max width and the availability of railroading. *Fascia size will be based on shade size, see chart. Matching sizes are available. Material: Metal
Square Fascia	White, Ivory, and Black Material: Metal	3 ½" or 4 ½" *	*Fascia size will be based on shade size. Matching sizes are available.
Fabric Valance	The default fabric on this valance will be the selected shade fabric. *For Dual shades, desired fabric should be manually selected.	- 4 ½" - 7"	Max width is subject to fabric max width and the availability of railroading When valance width exceeds (max fabric width – 5") the valance will need to be railroaded. (For select fabrics only) Valance returns available for semi IB & OB
Crown Valance	Material: Wood **Paint:** Pure White, Bisque, Stone Gray, Clay	4 ½"	Valance returns available for semi IB & OB; for full OB
Modern Valance	**Stain:** Limed White, Dark Teak, Weathered Teak, Wenge, Black Walnut, Matte Black	4 ½"	Valance returns available for semi IB & OB

*Note: Top treatments are not recommended for door applications.

Common Top Treatment

- Available for all top treatments types
- Available for all lift systems, except Coupled Shades
- One Common Valance can share up to 4 shades
- All splicing rules apply to oversized Common Top Treatments.
- The minimum fabric gap between shades vary by lift system. Refer to the Fabric Gaps table.
- There is no additional bracket gap between two shades:
    - Additional Requested Gap: 0"—12"
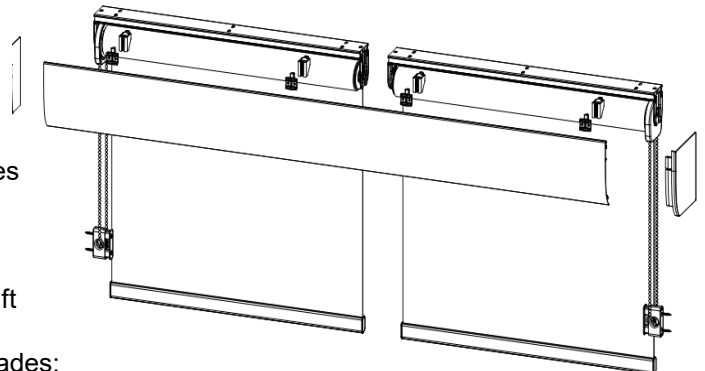
Top Treatments: Fascia & Valance Options

Splicing Top Treatments

Top treatments wider than its maximum limitations will be spliced. A **top treatment joinery** method is required to provide support on all spliced top treatments. This applies to single valances, and all common top treatments.

- **Single fascias will not be split.**
- **For all oversized single and common valances, valance connectors will be provided, or keystones can be selected as an option.**
- **For all oversized common facias, keystones will be provided.**

		Top Treatment Joinery (Valance Connectors & Keystones)			
Type	**Top Treatment**	**Max Length**	**Default Splice Location**	**Default Valance Joinery**	**Optional Valance Joinery**
Single	Curved Facia	• Shade Width (X) • Custom: X + 12"	NO SPLICE	N/A—No Splice	Keystones • Up to 3 qty • Custom split location
	Square Fascia				
Common	Curved Facia	4 x 95"	Centered, widths over 95" (includes end caps)	Keystones	*Additional* Keystones • Up to 3 qty • Custom split location • Or at gaps between shades
	Square Fascia				
Single/ Common	Fabric Valance	4 x 95"	Centered, with returns inner widths over **93.75"**, without returns inner widths over **95"**	Valance Connector	Keystones • Up to 3 qty • Custom split location • Or at gaps between shades
	Modern Valance				
	Crown Valance				

Curved Fascia Keystone
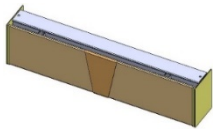
Square Fascia Keystone
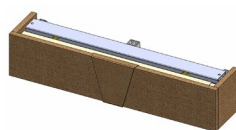
Fabric Valance Keystone
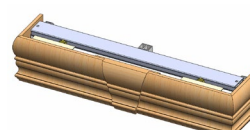
Crown Valance Keystone
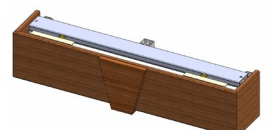
Fabric Valance Connector

Crown Valance Connector

Modern Valance Connector

Keystone Spacing Requirements

Keystone	Minimum	Maximum		
1st Keystone	18"	Order Width or Custom Valance Length (if applicable)	and	95"
2nd Keystone	18" + 1st keystone			95" + 1st keystone
3rd Keystone	18" + 2nd keystone			95" + 2nd keystone
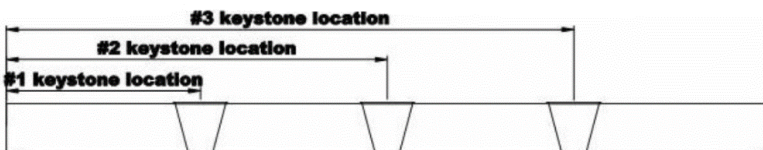
**Measure from the left of the valance inner width to the center of the keystone.

Top Treatments: Fascia & Valance Options

Lift System & Top Treatment Compatibility Chart

	Single			Dual Shade			Coupled Shade		
	Clutch	Cordless	Motorized	Clutch	Cordless	Motorized	Clutch	Cordless	Motorized
No Fascia/ Valance	✓	✓	✓	✓	✓	✓	✓ (not available in Smart-Release™)	NA	✓
Square Fascia	✓	✓	✓	NA	NA	NA	NA	NA	NA
Curved Fascia	✓	✓	✓	NA	NA	NA	NA	NA	NA
Fabric Valance	✓	✓	✓	✓ 7" only	✓ 7" only	✓ 7" only	NA	NA	NA
Wood Valances	✓	✓	✓	NA	NA	NA	NA	NA	NA

Fascia Size Chart

System	Width (X)	Height (Y)	Fascia Size
PrecisionLift™ Cordless	All sizes		3 ½"
Continuous Cord Loop/Motorized	X≦96"	Y≦96"	3 ½"
	X≦96"	Y＞96"	4 ½"
	X＞96"	Y≦72"	3 ½"
	X＞96"	Y＞72"	4 ½"
SmartRelease™	X≦96"	Y≦96"	3 ½"
	X≦96"	Y＞96"	4 ½"
	X＞96"	All heights	4 ½"

Note: Fascia sizes will not be automatically matched for entire orders. "Side by Side" needs to be selected or specified in special instructions while placing the order to avoid any matching issues.

Return Size Options

Valance	Inside Mount	Outside Mount
4 1/2" Fabric	1", 1 1/8", 1 1/4", 1 3/8", 1 ½" (Custom sizes: 1 5/8" - 4 1/2")	Default
7" Fabric		
4 1/2" Crown Wood	1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 ½" (Custom sizes: 1 5/8" - 4 1/2")	Custom sizes longer than standard:(1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1")
4/12" Modern Wood		

Additional Options

Fabric Roll

• Standard Roll: Fabric rolls down against the window glass.

• Reverse Roll: Fabric rolls down away from the window glass.
>   • Reverse roll is default for dual shades.
>   • Not available with Square Fascia or Curved Fascia.

Standard Roll   **Reverse Roll**

Poles for PrecisionLift™ Cordless Shades

One complimentary 30" Fiberglass pole is included, per cordless roller shade order. Additional poles and pole attachments can be added to your order as an option.

30" Fiberglass Pole

•   Additional 30" Fiberglass Pole

•   Cordless Operating Pole
    •   Color: Black
    •   Length: 36" & 60"
    •   Fixed hook piece

Pole

•   Pole Attachment
    •   Color: Black
    •   No pole included, attachment only
    •   Screw-on design
    •   Compatible with most screw tip poles
    •   NOT compatible as a replacement piece for Cordless Pole

Pole Attachment

Additional Options

Chain for Continuous Cord Loop & SmartRelease™ Shades

Chain Options:
- Standard: Plastic - Available in White, Ivory, Black
- Upgrade: Stainless Steel

Chain Length

	Order Height	Chain Length (For SmartRelease™)		Chain Length (For Continuous Cord Loop)
		Plastic Chain	**Stainless Steel Chain**	
Default	12"≦Y≦30"	16"	16"	(2/3)Shade Height + 6"
	30"＜Y≦42"	24"	24"	
	42"＜Y≦54"	36"	36"	
	54"＜Y≦66"	48"	48"	
	66"＜Y≦90"	60"	60"	
	90"＜Y≦144"	84"	84"	
Optional	All shade heights	Optional Lengths: 16", 24", 36", 48", 60", 84"	Custom Length must be longer than 12".	Plastic/Stainless Steel: custom length must be longer than the default.

Notes:
- Chain width is measured from the top of the brackets/installation bracket (raceway) to the bottom of the tension device.
- The tolerance for chain width of SmartRelease™ would be 0~1.18".

Hem Bar

- Default: Plain hem bar
    - Available in White, Ivory, and Black

- Optional: Fabric-wrapped hem bar
    - Front: Wrapped with the selected shade fabric
    - Back: Will not be fabric-wrapped. Back hem bar color will provide in the default color and is not available for color coordination override. See color coordination chart.
    - End caps: Available in White, Ivory, Natural, Terra, Sahara, Chocolate, Silver, and Black

Plain Hem Bar

Back of the hem bar is not fabric-wrapped. Default color will be provided.

Choose an End Cap Color or keep the default.
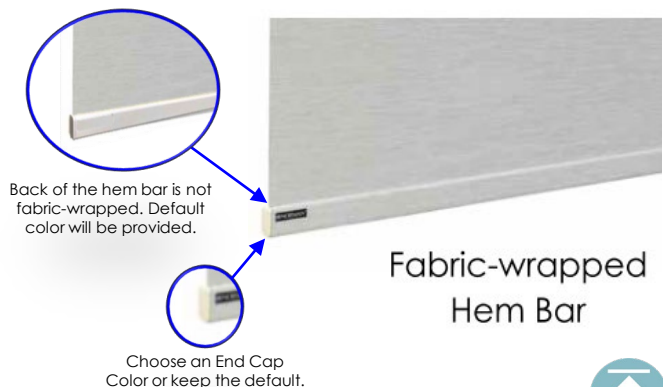
Fabric-wrapped Hem Bar

Additional Options

Hold Downs

Choose from Traditional or Magnetic hold-down brackets (one for the left and the right side of shade) to secure the shade in place when closed.

- **Traditional Hold Down**
    - Optional for window applications

- **Magnetic Hold-Down**
    - Defaulted for door applications.
        - Magnetic hold-downs are required for door applications to help keep the shade in place.
        - Not recommended for metal door applications.
    - Optional for window applications.
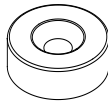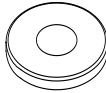
Magnet   **Magnet Catch**

- The magnet will be pre-installed at the factory on the hem bar.
- The magnet catch, which needs to be installed at the job site, can be found in the hardware box.

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

Allow extra wall space for installation:
- 1 7/16" in width, from the side edge of the shade
- 5/16" in width, from the bottom edge of the shade or window sill

Left Side of the Shade

1 7/16" (37mm)

5/16" (8mm)

Bottom of the Shade or Window Sill
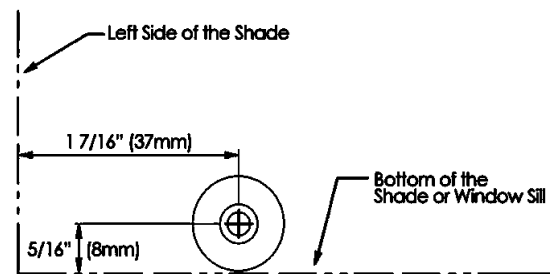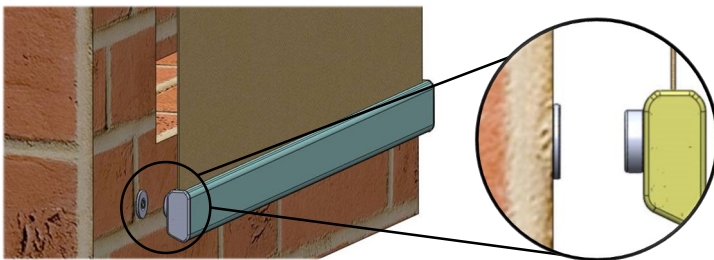
Shim (Spacer Block)

- Dimensions: 41mm (1.614") x 10mm (0.394")
- Up to 3 Spacer Blocks can be stacked per bracket
- Optional
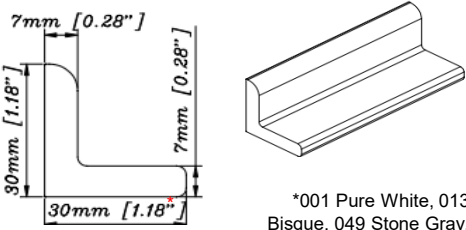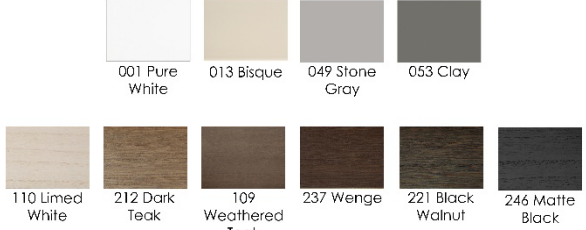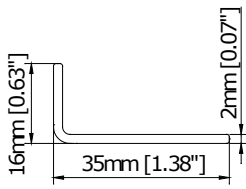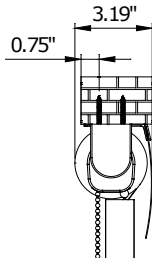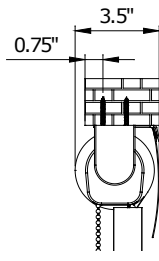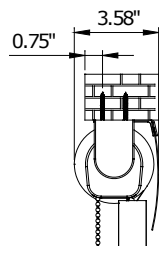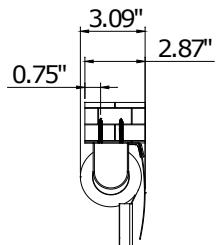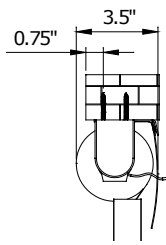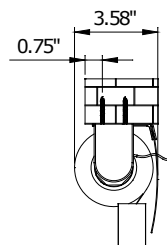
Additional Options

Light Guard

- Light Guard is specifically designed to block incoming light escaping off the top and sides of the window opening
- The application consists of two side light guards (Wood or PVC), & a top light guard

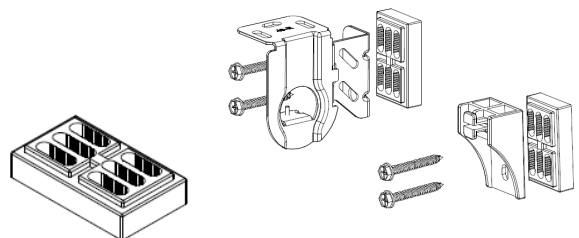|	Dimensions	Available colors
Wood Light Guard **(Side)**	7mm [0.28"], 30mm [1.18"], 7mm [0.28"], 30mm [1.18"] *001 Pure White, 013 Bisque, 049 Stone Gray, size is 1.18" x 1.37"	001 Pure White, 013 Bisque, 049 Stone Gray, 053 Clay, 110 Limed White, 212 Dark Teak, 109 Weathered Teak, 237 Wenge, 221 Black Walnut, 246 Matte Black
PVC Light Guard **(Side)**	16mm [0.63"], 2mm [0.07"], 35mm [1.38"]	2052 Day Light, 2021 Cloud Cream, 2583 Warm Sand, 2480 Chocolate, 2129 Silver, 2208 Black
Top Light Guard	4 ½"	Standard color: White Stucco Made of PVC
Dual Shades Top Light Guard	7 ½"	Used for Dual Shades only Color will vary: • Top Light Guard piece will match the RD fabric (or rear shade if both are RD fabrics) • *F0822 Pure White in Fiji* will be provided as the light blocking piece when there are no RD fabrics.

Minimum Mounting Depth Requirements for Roller Shades with Light Guard

	1 1/8" tube	1 ¾" tube	2" tube
Continuous Cord Loop	3.19" 0.75"	3.5" 0.75"	3.58" 0.75"
	Cordless 1 ¾" tube	**Motorized 25 CE/25 TE, 1 ¾" tube**	**Motorized 35R, 2" tube**
Cordles/ Motorized	3.09" 2.87" 0.75"	3.5" 0.75"	3.58" 0.75"

Size Considerations

	Single Shade			Dual Shade			Coupled Shade		
	Clutch	Cordless**	Motorized	Clutch	Cordless**	Motorized	Clutch	Cordless	Motorized
Min Width	8" (12" for Smart-Release™)	18"	14"	8" (12" for Smart-Release™)	18"	14"	24"	NA	26"
Max Width	118"	96"	118"	96"	96"	96"	236"	NA	236"
Min Height	12"	12"	12"	12"	12"	12"	12"	NA	12"
Max Height	144"	96"	144"	96"	96"	96"	144"	NA	144"

- **This table is for reference only.** There may be exceptions due to different fabric weight. For details by the fabric, refer to the appendix.

- For select fabrics that can be railroaded, after the fabric has been railroaded, the max shade height is approximately the original fabric width – 12".

- **PrecisionLift™ Cordless shades have additional size restrictions. Please refer to the rules below

Cordless Size Limitations	
Width (X)	**Height (Y)**
18"≦X≦19"	Y≦48"
19"<X≦24"	Y≦72"
24"<X≦96"	Y≦96"

Size Deductions

Inside Mount:

Shade width = Order width - 1/8" **(Top Mount)**

Shade width = Order width **(Side Mount)**

Shade height = Order height **(Top & Side Mount)**
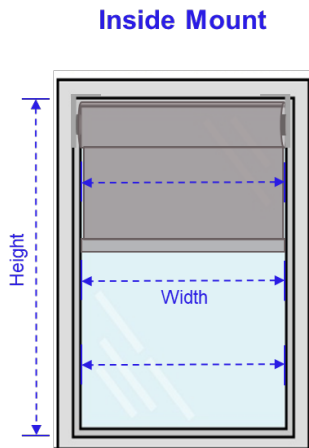
Outside Mount:

No Deductions–

Shade width = Order width
Shade height = Order height

Recommendation: To avoid light leakage, add at least 4" to the width, and 2" to the height.

Inside Mount

Outside Mount
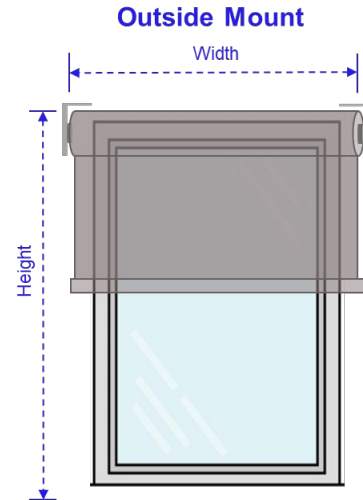
Deductions for Roller Shades with a Common Valance:

(IM)

Left shade width = left shade order width - 1/8"
Center shade width = center shade order width - 1/8"
Right shade width = right shade order width - 1/8"

(OM)

Left shade width = left shade order width
Center shade width = center shade order width
Right shade width = right shade order width

Additional
(~ 1/16")
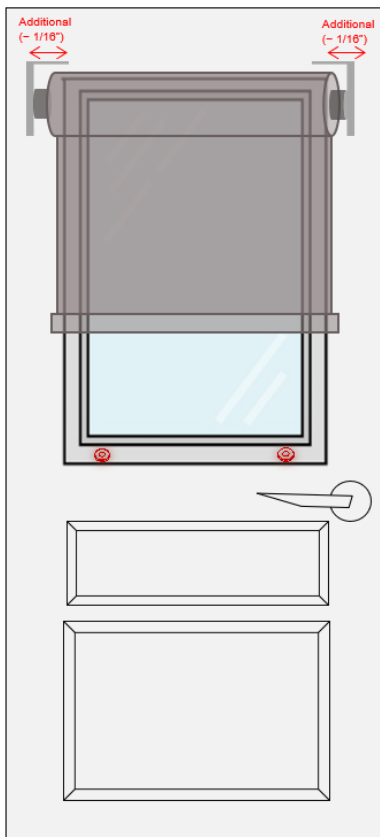
Additional
(~ 1/16")

Roller Shades Installed on a Door

To receive shades suited for door applications, please select the option during order entry. When selected,
- Shades will have an <u>additional </u>fabric deduction of approximately 1/16" (2mm) on each side in order to prevent the fabric from fraying.
  (See fabric deductions by lift system for total fabric width deductions.)
- Magnetic hold-downs are defaulted and required when installed on a door.
- Top Treatments are available but not recommended for door applications.

Size Deductions

Fabric Deductions and Finished Widths by Lift System

Single PrecisionLift™ Cordless - Inside Mount				
Shade Width	**Shade Height**	**Tube Dimensions**	**Shade Type**	**Tube/Fabric Width**
18" to 96"	12" to 96"	1 3/4"	Cordless without top treatment	Tube Width = Order Width – 1.06" Fabric Width = Order Width – 1.18"
			Cordless with Fascia	Tube Width = Order Width – 1.81" Fabric Width = Order Width – 1.3"
			Cordless with Valance	Tube Width = Order Width – 0.98" Fabric Width = Order Width – 1.1"

Finished shade width(X)
= L-Bracket cover to R-Bracket cover

Hem Bar

A: Gap on Tension Dial side

B: Gap on Clutch side
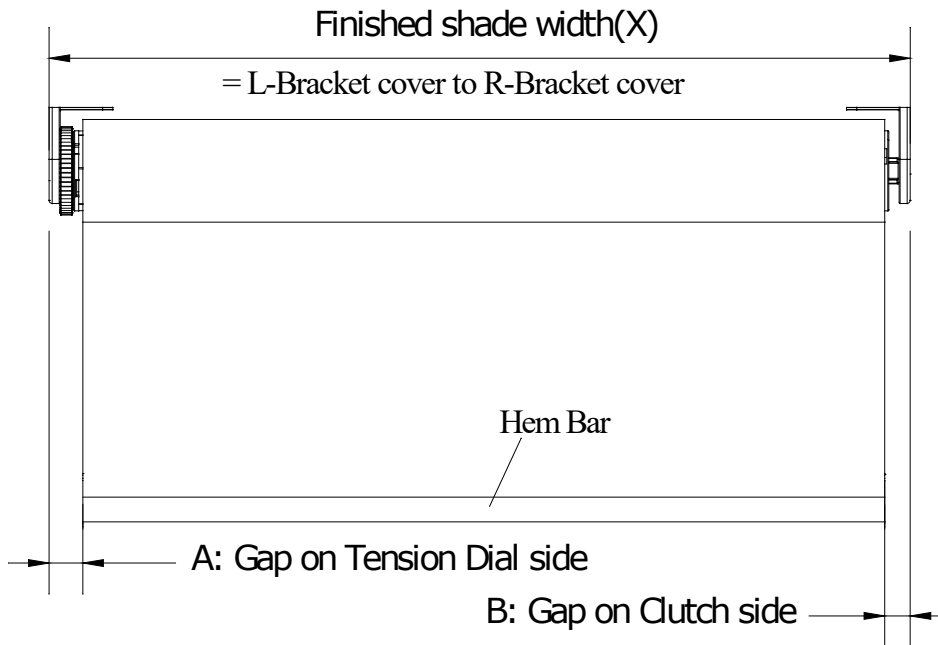
Shade type	Gap A	Gap B
Cordless roller shade without top treatment	0.53"	0.53"
Cordless roller shade with Raceway	0.53"	0.53"
Cordless roller shade with Fascia	0.59"	0.59"
Cordless roller shade with Valance	0.49"	0.49"

Size Deductions

Single SmartRelease™ - Inside Mount			
Shade Width	**Shade Height**	**Shade Type**	**Tube/fabric width**
12" to 118"	12" to 144"	SmartRelease™ without top treatment	Tube Width = Order Width – 1.42" Fabric Width = Order Width – 1.3"
		SmartRelease™ with fascia	Tube Width = Order Width – 1.54" Fabric Width = Order Width – 1.42"
		SmartRelease™ with valance	Tube Width = Order Width – 1.35" Fabric Width = Order Width – 1.23"

Finished shade width(X)
= L-Bracket cover to R-Bracket cover

Hem Bar

A: Gap on End Plug side

B: Gap on Clutch side

Shade type	Chain Clutch	Tube diameter	Gap (A)	Gap (B)
SmartRelease™ without top treatment	1 3/4"	1 3/4"	0.53"	0.89"
	2"	2"	0.53"	0.89"
SmartRelease™ with Raceway	1 3/4"	1 3/4"	0.53"	0.89"
	2"	2"	0.53"	0.89"
SmartRelease™ With Fascia	1 3/4"	1 3/4"	0.59"	0.94"
	2"	2"	0.59"	0.94"
SmartRelease™ With Valance	1 3/4"	1 3/4"	0.49"	0.85"
	2"	2"	0.49"	0.85"

Size Deductions

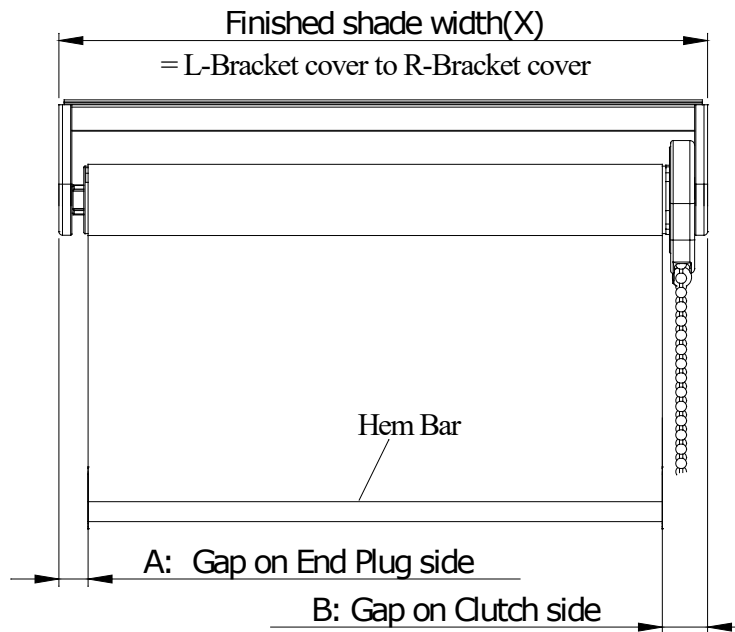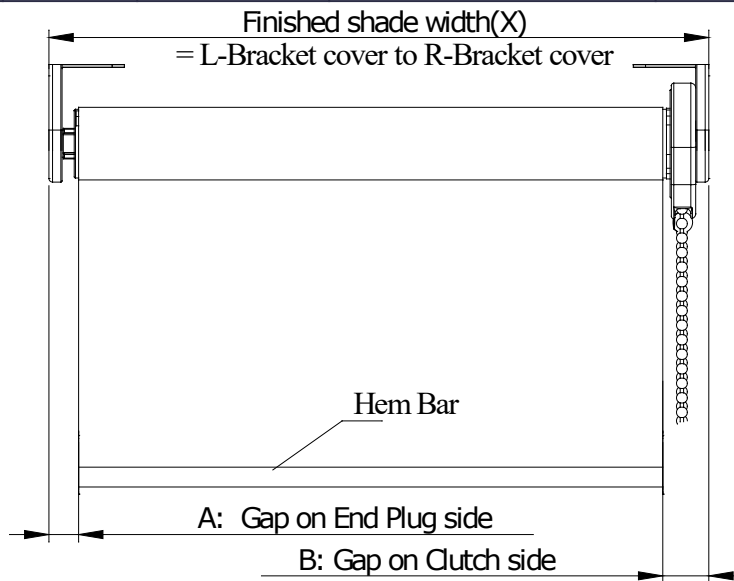| Single Continuous Cord Loop - Inside Mount					
Shade Width	**Shade Height**	**Clutch Size**	**Tube Dimensions**	**Shade Type**	**Tube/fabric width**
8" to 60"	12" to 144"	1 1/8"	1 1/8"	CCL without top treatment, OR with raceway only	Tube Width = Order Width - 1.29" Fabric Width = Order Width – 1.71"
61" to 96"		1 3/4"	1 3/4"	CCL with fascia	Tube Width = Order Width - 1.41" Fabric Width = Order Width – 1.29"
				CCL with valance	Tube Width = Order Width - 1.21" Fabric Width = Order Width – 1.09"
97" to 118"		1 3/4"	2"	CCL without top treatment/with raceway	Tube Width = Order Width - 1.32" Fabric Width = Order Width – 1.2"
				CCL with fascia	Tube Width = Order Width - 1.44" Fabric Width = Order Width – 1.32"
				CCL with valance	Tube Width = Order Width - 1.25" Fabric Width = Order Width – 1.32"

Finished shade width(X)
= L-Bracket cover to R-Bracket cover

Hem Bar

A: Gap on End Plug side

B: Gap on Clutch side

Shade type	Chain Clutch	Tube diameter	Gap (A)	Gap (B)
Continuous Cord Loop without top treatment	1 1/8"	1 1/8"	0.53"	0.75"
	1 3/4"	1 3/4"	0.53"	0.75"
	1 3/4"	2"	0.53"	0.79"
Continuous Cord Loop with Raceway	1 1/8"	1 1/8"	0.53"	0.75"
	1 3/4"	1 3/4"	0.53"	0.75"
	1 3/4"	2"	0.53"	0.79"
Continuous Cord Loop With Fascia	1 1/8"	1 1/8"	0.59"	0.81"
	1 3/4"	1 3/4"	0.59"	0.81"
	1 3/4"	2"	0.59"	0.81"
Continuous Cord Loop With Valance	1 1/8"	1 1/8"	0.49"	0.71"
	1 3/4"	1 3/4"	0.49"	0.71"
	1 3/4"	2"	0.49"	0.75"

Size Deductions

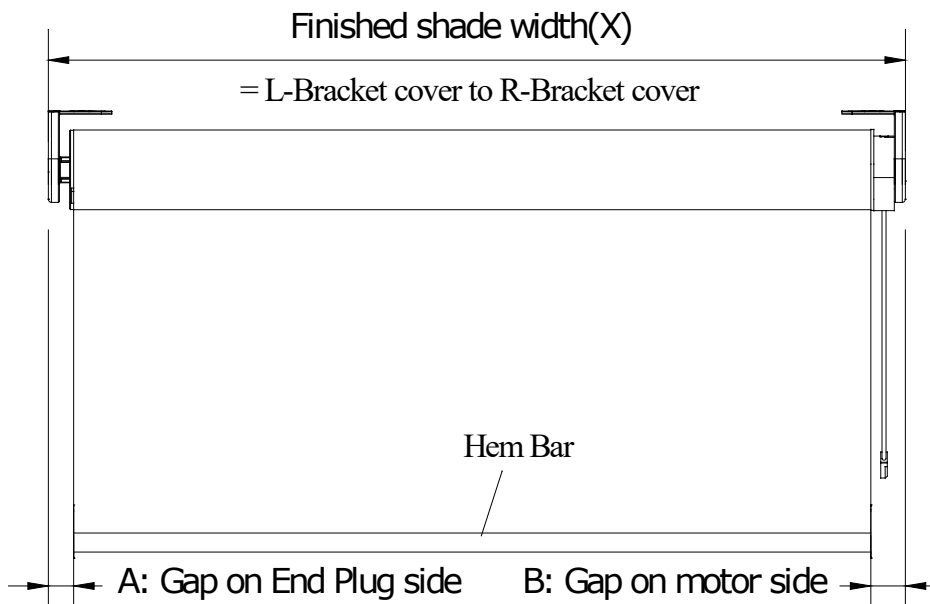| Single Motorized - Inside Mount					
Motor Type	Shade Width	Shade Height	Tube Dimensions	Shade Type	Tube/Fabric Width
Pro-Lift™ 25CE/ 25TE Motor	14" to 96"	12" to 144"	1 3/4"	Motorized without top treatment / Motorized with raceway	Tube Width = Order Width - 1.27" Fabric Width = Order Width - 1.39"
				Motorized with Fascia	Tube Width = Order Width - 1.39" Fabric Width = Order Width - 1.51"
				Motorized with Valance	Tube Width = Order Width - 1.19" Fabric Width = Order Width - 1.31"
Pro-Lift™ 35R/35E Motor	27" to 118"	12" to 144"	2"	Motorized without top treatment / Motorized with raceway	Tube Width = Order Width - 1.54" Fabric Width = Order Width - 1.66"
				Motorized with Fascia	Tube Width = Order Width - 1.66" Fabric Width = Order Width - 1.78"
				Motorized with Valance	Tube Width = Order Width - 1.46" Fabric Width = Order Width - 1.58"

Finished shade width(X)

= L-Bracket cover to R-Bracket cover

Hem Bar

A: Gap on End Plug side   B: Gap on motor side

Shade type	Motor type	Tube diameter	Gap A	Gap B
Motorized roller shade without top treatment	25 TE/CE	1 3/4"	0.53"	0.73"
	35 R / 35 E	2"	0.53"	0.9"
Motorized roller shade with Raceway	25 TE/CE	1 3/4"	0.53"	0.73"
	35 R / 35 E	2"	0.53"	0.9"
Motorized roller shade with Fascia	25 TE/CE	1 3/4"	0.59"	0.79"
	35 R / 35 E	2"	0.59"	0.96"
Motorized roller shade with Valance	25 TE/CE	1 3/4"	0.49"	0.69"
	35 R / 35 E	2"	0.49"	0.87"

Size Deductions

Coupled shade in Continuous Cord Loop

Finished shade width(X)
= L-Bracket cover to R-Bracket cover

Shade width on end plug side(X2) | Shade width on clutch side(X1)

Hem Bar

Hem Bar

A: Gap on End Plug side

C: Gap between fabrics

B: Gap on Clutch side
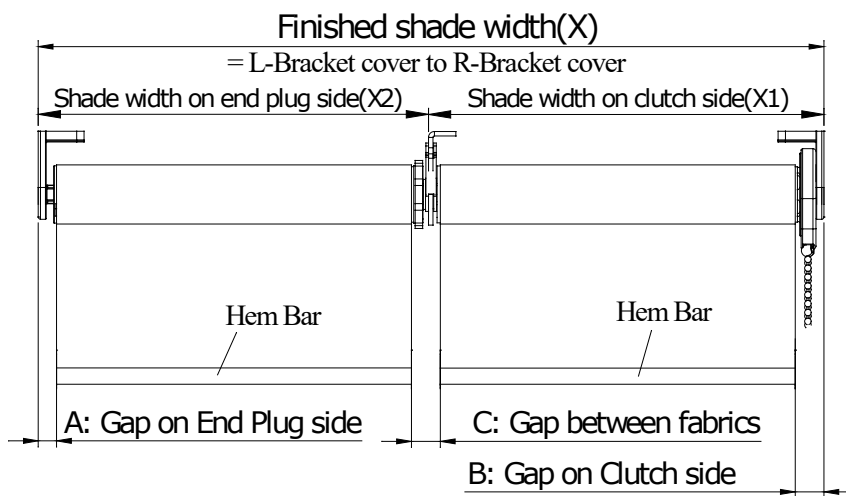
Chain Clutch	Tube diameter	Gap A	Gap B	Gap C
1 3/4"	1 3/4"	0.53"	0.75"	0.87"
1 3/4"	2"	0.53"	0.79"	0.945"

Coupled shade in Motorized

Finished shade width(X)= L-Bracket cover to R-Bracket cover

Shade width on end plug side(X2) | Shade width on motor side(X2)

Hem Bar

Hem Bar

A: Gap on End Plug side

B: Gap on motor side

C: Gap between fabrics
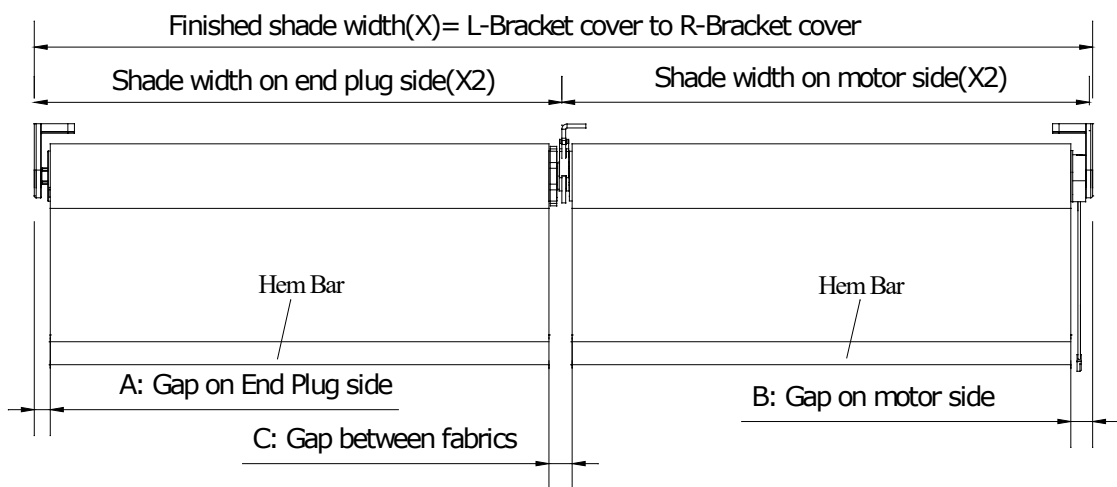
Motor	Tube diameter	Gap A	Gap B	Gap C
25 CE/TE	1 3/4"	0.53"	0.73"	0.87"
35 R	2"	0.53"	0.9"	0.94"

Size Deductions

Dual shade in Continuous Cord Loop

Finished shade width(X)
= L-Bracket cover to R-Bracket cover

Hem Bar

A:Gap on end plug side
B: Gap on clutch side

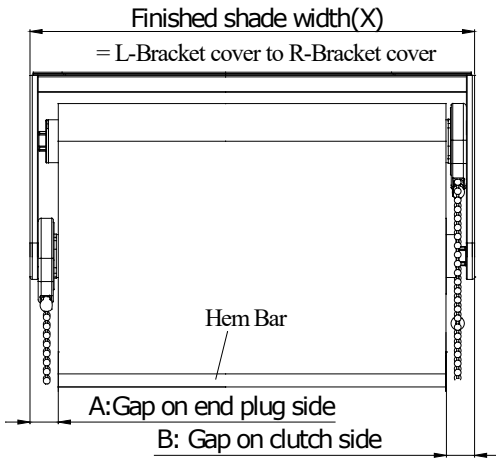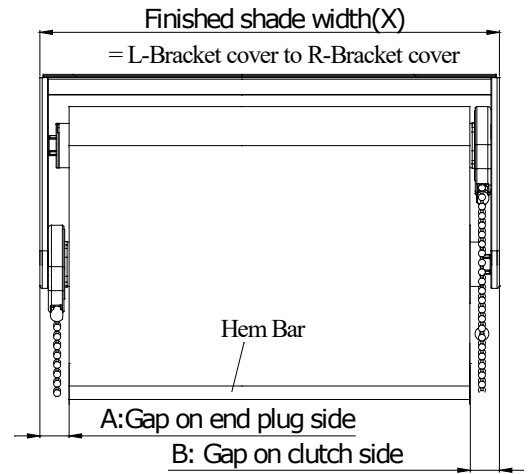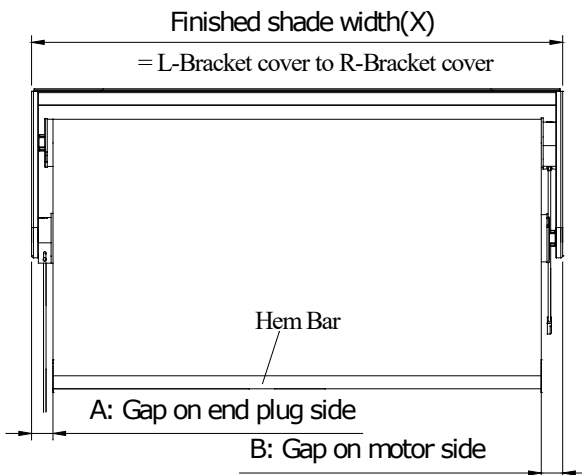|	Chain Clutch	Tube diameter	Gap A	Gap B
without top treatment	1 1/8"	1 1/8"	0.75"	0.75"
	1 3/4"	1 3/4"	0.75"	0.75"
with Fabric Valance	1 1/8"	1 1/8"	0.71"	0.71"
	1 3/4"	1 3/4"	0.71"	0.71"

Dual shade in SmartRelease™

Finished shade width(X)
= L-Bracket cover to R-Bracket cover

Hem Bar

A:Gap on end plug side
B: Gap on clutch side

	Chain Clutch	Tube diameter	Gap A	Gap B
without top treatment	1 3/4"	1 3/4"	0.89"	0.89"
with Fabric Valance	1 3/4"	1 3/4"	0.85"	0.85"

Dual shade in Motorized

Finished shade width(X)
= L-Bracket cover to R-Bracket cover

Hem Bar

A: Gap on end plug side
B: Gap on motor side

	Gap A	Gap B
without top treatment	0.73"	0.73"
with Fabric Valance	0.69"	0.69"

Dual shade in PrecisionLift™ Cordless

Finished shade width(X)
= L-Bracket cover to R-Bracket cover

Hem Bar

A: Gap on Clutch side
B: Gap on Tension Dial side
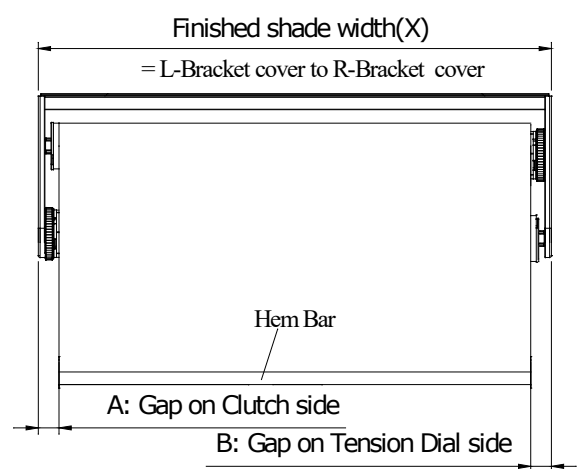
	Gap A	Gap B
without top treatment	0.65"	0.65"
with Fabric Valance	0.61"	0.61"

Size Deductions

Deductions / Finished Widths by Top Treatment Type

Inside Mount	
Top Treatment	**Finished Width**
Wood/Fabric Valance	Shade width = order width - 1/8" Valance width = shade width Common valance width = left/center/right total shade order width + gaps between shades - 1/8"
Fascia	Shade width =order width -1/8" Fascia width=shade width -3mm Common valance width = left/center/right total shade order width + gaps between shades - 1/8" - 3mm

Semi-Inside Mount	
Top Treatment	**Finished Width**
Fabric valance	Shade width = order width -1/8" Valance inner width = shade width + 3/8" Valance outer width = Valance inner width + 1.06" Common valance inner width = left/center/right total shade order width + gaps between shades - 1/8" + 3/8"
Wood Valance	Shade width = order width - 1/8" Valance inner width = shade width + 3/8" Common valance inner width = left/center/right total shade order width + gaps between shades - 1/8" + 3/8" For Wood Modern Valance: Valance outer width = valance inner width + 0.88" For Wood Crown Valance: Valance outer width = valance inner width + 1.22"
Fascia	Shade width = order width-1/8" Fascia width = shade width – 3mm Common valance width = left/center/right total shade order width + gaps between shades - 1/8" - 3mm

Outside Mount	
Top Treatment	**Finished Width**
Fascia	Shade width = order width Fascia width = shade width - 3mm Common valance width = left/center/right total shade order width + gaps between shades - 3mm
Fabric valance	Shade width = order width Valance inner width = shade width + 3/8" Valance outer width = Valance inner width + 1.06" Common valance inner width = left/center/right total shade order width + gaps between shades + 3/8"
Wood Valance	Shade width = order width Valance inner width = shade width + 3/8" For Wood Modern Valance: Valance outer width = valance inner width + 0.88" For Wood Crown Valance: Valance outer width = valance inner width + 1.22" Common valance inner width = left/center/right total shade order width + gaps between shades + 3/8"

Custom Top Treatment Width
- When requesting a custom width top treatment, please specify based on inner width for valances, or with end caps for fascias. Max width: X+12"

Mounting Depth Illustrations

Mounting Depth Shades with No Top Treatment:

No top treatment CCL (with 1 1/8 " Clutch)	No top treatment CCL (with 1 3/4"Clutch)	No top treatment Motorized (with 25CE/TE Motor)	No top treatment Motorized (with 35E Motor)	No top treatment Cordless
3.27″ 2.99″ 2.22″ 0.75″	3.78″ 3.25″ 2.46″ 0.75″	3.51″ 3.12″ 2.41″ 0.75″	3.79″ 3.25″ 2.58″ 0.75″	3.16″ 2.94″ 2.4″ 0.75″

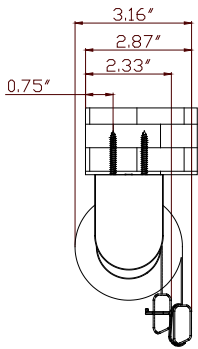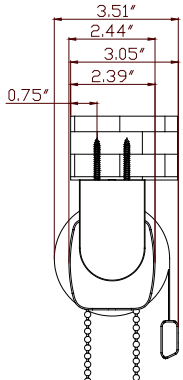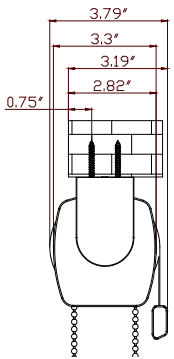| No top treatment SmartRelease™ 1 3/4" Clutch	No top treatment SmartRelease™ 2" Clutch	No top treatment 2 on 1 CordLoop 1 3/4"Clutch	No top treatment 2 on 1 Motorized 25TE/CE Motor	No top treatment 2 on 1 Motorized 35R/35E Motor
3.51″ 3.12″ 2.46″ 0.75″	3.79″ 3.3″ 3.26″ 2.89″ 0.75″	3.78″ 3.28″ 2.49″ 0.75″	3.51″ 3.10″ 2.39″ 0.75″	3.79″ 3.29″ 2.62″ 0.75″

Mounting Depth Shades with Raceway:

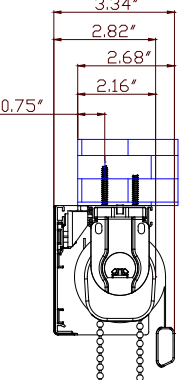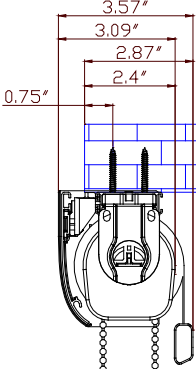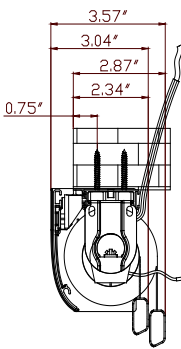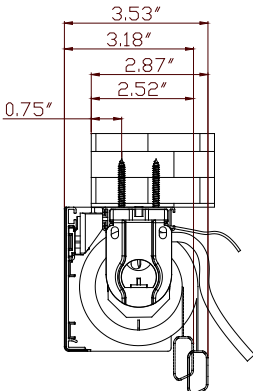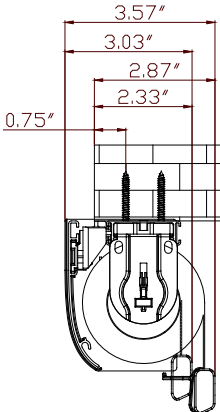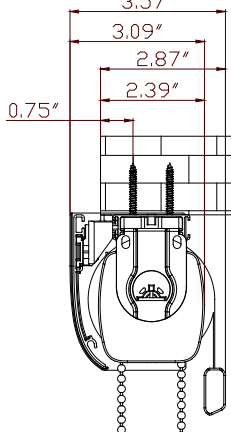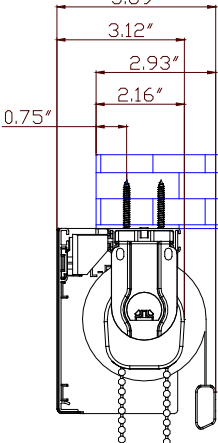| Raceway CCL with 1 1/8"Clutch	Raceway CCL with 1 3/4"Clutch	Raceway Motorized with 25TE/CE Motor	Raceway Motorized with 35R/35E Motor
3.27″ 2.93″ 2.16″ 0.75″	3.78″ 2.44″ 3.19″ 2.4″ 0.75″	3.51″ 3.05″ 2.34″ 0.75″	3.79″ 3.19″ 2.53″ 0.75″

Mounting Depth Illustrations

Mounting Depth Shades with Raceway:

Raceway Cordless	Raceway SmartRelease™ 1 3/4" Clutch	Raceway SmartRelease™ 2"Clutch
3.16" 2.87" 2.33" 0.75"	3.51" 2.44" 3.05" 2.39" 0.75"	3.79" 3.3" 3.19" 2.82" 0.75"

Mounting Depth Shades with Fascia:

3.5"Fascia CCL 1 1/8"Clutch	3.5"Fascia CCL 1 3/4" Clutch	3.5"Fascia Motorized 25CE/TE Motor
3.34" 2.82" 2.68" 2.16" 0.75"	3.57" 3.09" 2.87" 2.4" 0.75"	3.57" 3.04" 2.87" 2.34" 0.75"

Mounting Depth Shades with Fascia:

3.5"Fascia Motorized 35R/35E Motor	3.5"Fascia Cordless	3.5"Fascia SmartReleaseTM 1 3/4"Clutch	4.5"Fascia CCL 1 1/8"Clutch
3.53" 3.18" 2.87" 2.52" 0.75"	3.57" 3.03" 2.87" 2.33" 0.75"	3.57" 3.09" 2.87" 2.39" 0.75"	3.89" 3.12" 2.93" 2.16" 0.75"

Mounting Depth Illustrations

Mounting Depth Shades with Fascia:
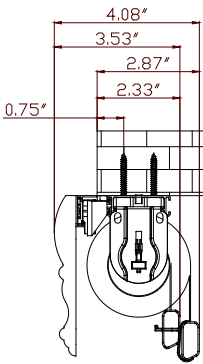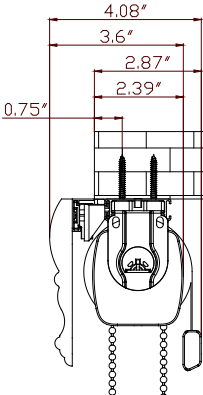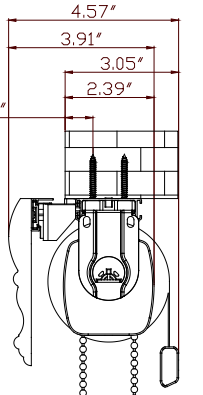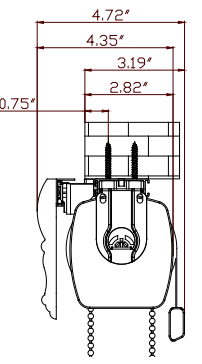
4.5"Fascia CCL 1 3/4" Clutch	4.5"Fascia Motorized 25TE/CE Motor	4.5"Fascia Motorized 35R/35E Motor	4.5"Fascia SmartReleaseTM 1 3/4" Clutch	4.5"Fascia SmartReleaseTM 2" Clutch
4.15″ 3.36″ 3.19″ 2.4″ 0.75″	4.02″ 3.31″ 3.05″ 2.34″ 0.75″	4.19″ 3.52″ 3.19″ 2.52″ 0.75″	4.02″ 3.36″ 3.05″ 2.39″ 0.75″	4.19″ 3.83″ 3.19″ 2.82″ 0.75″

Mounting Depth Shades with Valance:
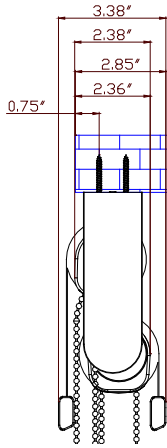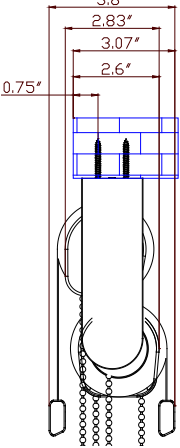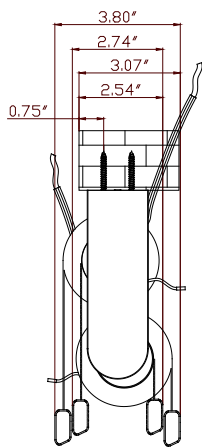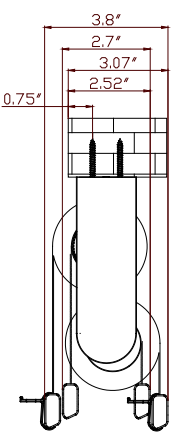
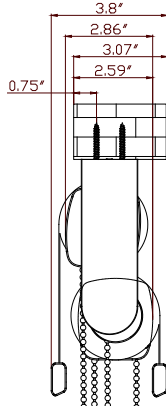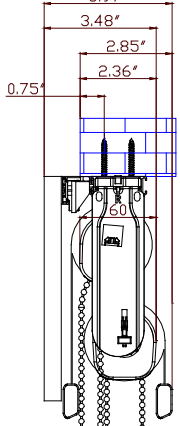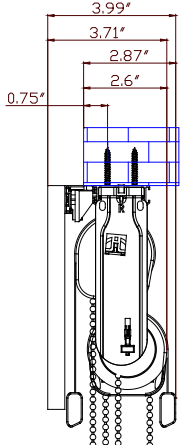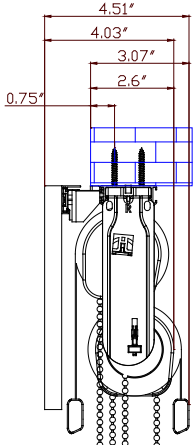| Valance CCL with 1 1/8" Clutch Small Diameter	Valance CCL with 1 1/8" Clutch Large Diameter	Valance CCL with 1 3/4" Clutch Small Diameter	Valance CCL with 1 3/4"Clutch Large Diameter
4.07″ 3.36″ 2.87″ 2.16″ 0.75″	4.44″ 3.67″ 2.93″ 2.16″ 0.75″	4.07″ 3.6″ 2.87″ 2.4″ 0.75″	4.7″ 3.91″ 3.19″ 2.4″ 0.75″

Motorized with Valance 25CE/TE Motor Small Diameter /Large Diameter		Motorized with Valance 35E/35R Motor Small Diameter /Large Diameter	
4.08″ 3.55″ 2.87″ 2.34″ 0.75″	4.57″ 3.86″ 3.05″ 2.34″ 0.75″	4.08″ 3.73″ 2.87″ 2.51″ 0.75″	4.71″ 4.03″ 3.19″ 2.51″ 0.75″

Mounting Depth Illustrations

Valance Cordless	Valance SmartRelease™ with 1 3/4" Clutch smaller valance bracket	Valance SmartRelease™ with 1 3/4" Clutch large valance bracket	Valance SmartRelease™ 2"Clutch
4.08″ 3.53″ 2.87″ 2.33″ 0.75″	4.08″ 3.6″ 2.87″ 2.39″ 0.75″	4.57″ 3.91″ 3.05″ 2.39″ 0.75″	4.72″ 4.35″ 3.19″ 2.82″ 0.75″

Mounting Depth Dual Shades:

Dual Roller CCL with 1 1/8" Clutch	Dual Roller CCL with 1 3/4" Clutch	Dual Roller Motorized 25TE/CE Motor	Dual Roller Cordless
3.38″ 2.38″ 2.85″ 2.36″ 0.75″	3.8″ 2.83″ 3.07″ 2.6″ 0.75″	3.80″ 2.74″ 3.07″ 2.54″ 0.75″	3.8″ 2.7″ 3.07″ 2.52″ 0.75″

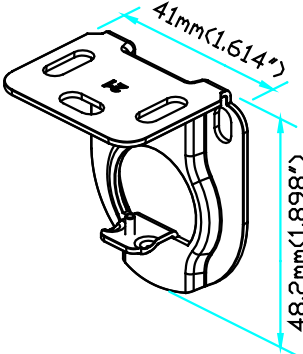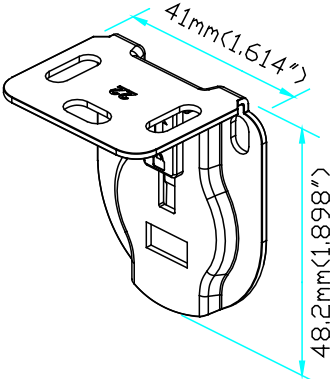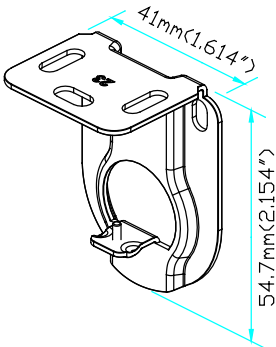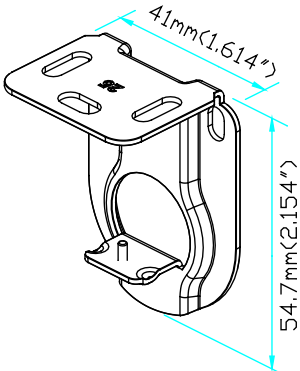| Dual Roller SmartRelease™ 1 3/4"Clutch	Dual Roller CCL 1 1/8"Clutch	Dual Shade with Valance Smart Release™ with 1 3/4" Clutch small Valance Bracket	Dual Shade with Valance Smart Release™ with 1 3/4" Clutch Large Valance Bracket
3.8″ 2.86″ 3.07″ 2.59″ 0.75″	3.97″ 3.48″ 2.85″ 2.36″ 0.75″	3.99″ 3.71″ 2.87″ 2.6″ 0.75″	4.51″ 4.03″ 3.07″ 2.6″ 0.75″

Mounting Depth Illustrations

Dual Shade with Valance Motorized with 25CE/TE Motor Small Valance Bracket	Dual Shade with Valance Motorized with 25CE/TE Motor Large Valance Bracket	Dual Shade with Valance Cordless Small Valance Bracket	Dual Shade with Valance Cordless Large Valance Bracket
4.00", 3.67", 2.87", 2.54", 0.75"	4.51", 3.98", 3.07", 2.54", 0.75"	4", 3.65", 2.87", 2.52", 0.75"	4.51", 3.96", 3.07", 2.52", 0.75"

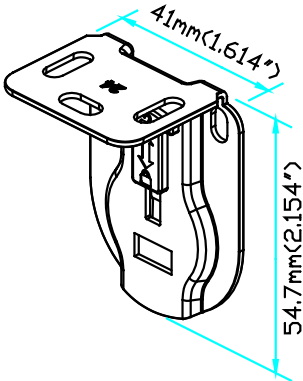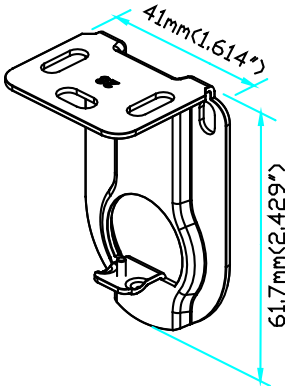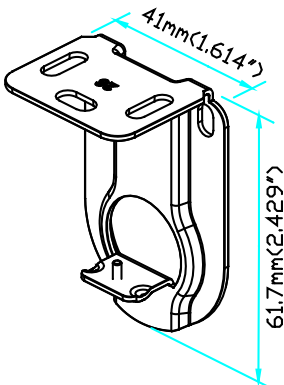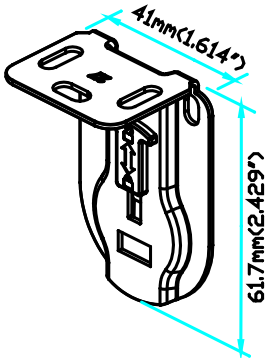| Dual Shade with Valance SmartRelease™ 1 3/4" Clutch Small Valance Bracket	Dual Shade with Valance SmartRelease™ 1 3/4" Clutch Small Valance Bracket
4", 3.71", 2.87", 2.59", 0.75"	4.51", 4.03", 3.07", 2.59", 0.75"

Bracket Dimensions

Item	Bracket	Picture	Description
1	Small Shade Bracket for Clutch	41mm(1.614") 48.2mm(1.898")	Used for: • 1 1/ 8"Clutch • Motorized
2	Small Shade Bracket for End Plug	41mm(1.614") 48.2mm(1.898")	Used together with item 1
3	Medium Shade Bracket for Clutch	41mm(1.614") 54.7mm(2.154")	Used for: • 1 1/8" Clutch • Motorized
4	Medium Shade Bracket for Clutch (with wider lug)	41mm(1.614") 54.7mm(2.154")	Used for: • 1 3/4"Clutch • PrecisionLift™ Cordless

Bracket Dimensions

Item	Bracket	Picture	Description
5	Medium Shade Bracket for End Plug	41mm(1.614") 54.7mm(2.154")	Used together with item **3&4**
6	Large Shade Bracket for Motor	41mm(1.614") 61.7mm(2.429")	Used for: • Motorized
7	Large Shade Bracket for Clutch (with wider lug)	41mm(1.614") 61.7mm(2.429")	Used with: • 1 3/4 '' Clutch • PrecisionLift™ Cordless • Coupled shade
8	Large Shade Bracket for End Plug	41mm(1.614") 61.7mm(2.429")	Used together with: • 61.7mm Bracket for Clutch

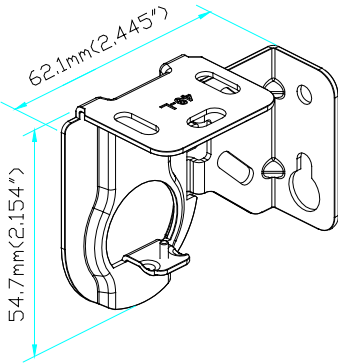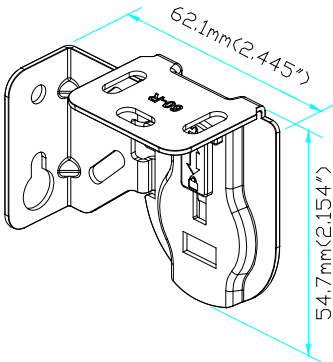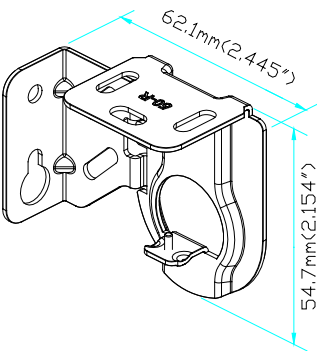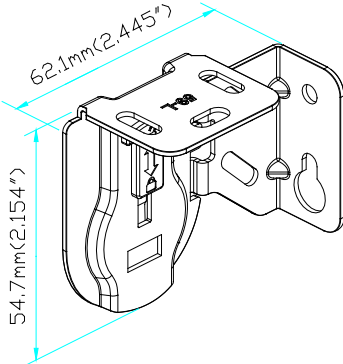## Bracket Dimensions

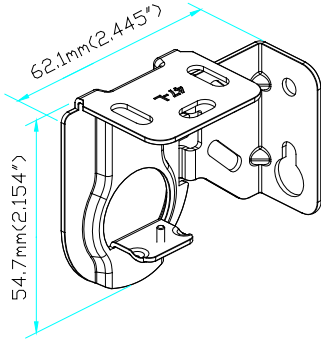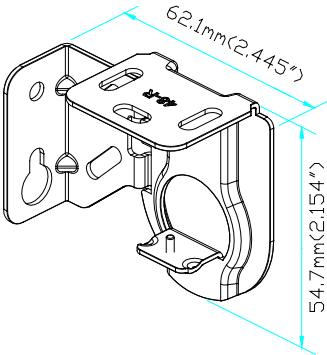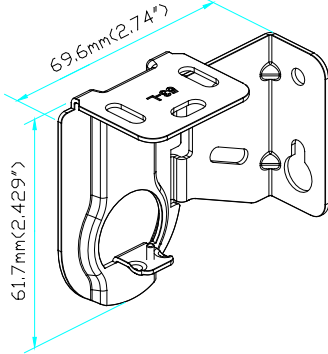| Item	Bracket	Picture	Description
9	Dual bracket - **Right** (with wider lug)		Used for: • Dual PrecisionLift™ Cordless roller shade • Dual manual roller shade with 1 3/4 '' clutch
10	Dual bracket - **Left** (with wider lug)		
11	Dual bracket - **Right**		Used for: • Dual PrecisionLift™ Cordless roller shade • Dual manual roller shade with 1 1/8 '' clutch
12	Dual bracket - **Left**		

Bracket Dimensions

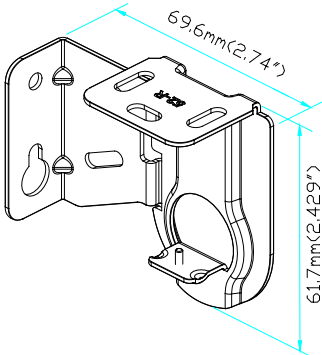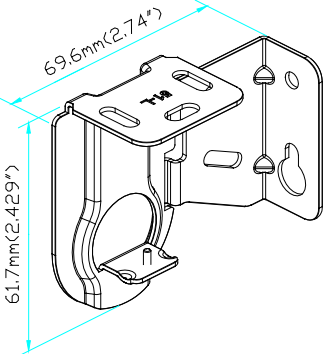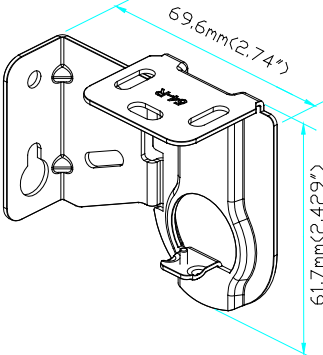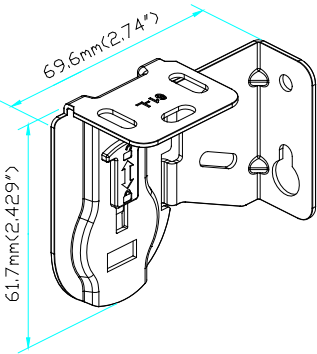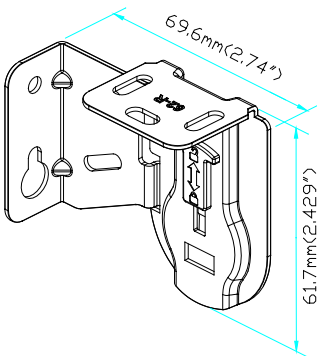| Item	Bracket	Picture	Description
13	Mounting Bracket - **Left**	62.1mm(2.445") 54.7mm(2.154")	Used for: • Outside mount • Small Square/Curved fascia • Roller shades with small diameter of fabric roll
14	Mounting bracket - **Right**	62.1mm(2.445") 54.7mm(2.154")	
15	Large Mounting bracket - **Right**	62.1mm(2.445") 54.7mm(2.154")	Used for: • Outside mount • Small Square/Curved fascia • Roller shades with Small diameter of fabric roll
16	Large Mounting bracket - **Left**	62.1mm(2.445") 54.7mm(2.154")	

Bracket Dimensions

Item	Bracket	Picture	Description
17	Mounting Bracket - **Left**	62.1mm(2.445") / 54.7mm(2.154")	Used for: • Outside mount • Small Square/Curved fascia • Roller shades with Large diameter of fabric roll
18	Mounting bracket - **Right**	62.1mm(2.445") / 54.7mm(2.154")	
19	Large Mounting bracket - **Left**	69.6mm(2.74") / 61.7mm(2.429")	Used for: • Outside mount • Large Square/Curved fascia • Roller shades with Small diameter of fabric roll
20	Large Mounting bracket -**Right**	69.6mm(2.74") / 61.7mm(2.429")	

Bracket Dimensions

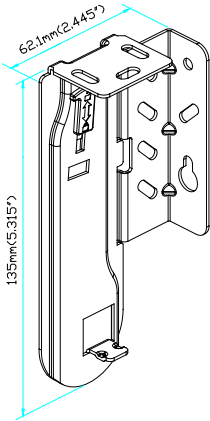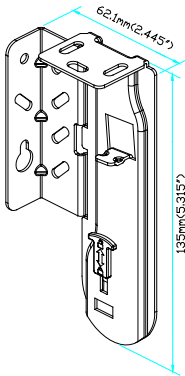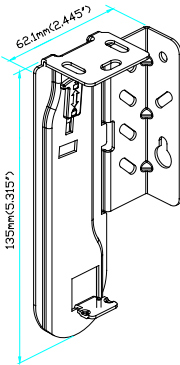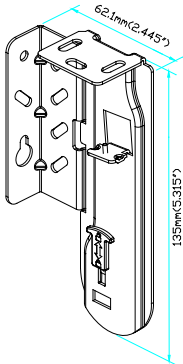| Item	Bracket	Picture	Description
21	Mounting Bracket - **Left**	69.6mm(2.74") 61.7mm(2.429")	Used for: • Outside mount, • Large Square/Curved fascia • Roller shades with small diameter of fabric roll
22	Mounting bracket - **Right**	69.6mm(2.74") 61.7mm(2.429")	
23	Large Mounting bracket - **Left**	69.6mm(2.74") 61.7mm(2.429")	Used for: • Outside mount • Large Square/Curved fascia • Roller shades with large diameter of fabric roll
24	Large Mounting bracket - **Right**	69.6mm(2.74") 61.7mm(2.429")	

Bracket Dimensions

Item	Bracket	Picture	Description
25	Mounting Bracket - **Left**		Used for: • Outside mount • Small Square/Curved fascia • Roller shades with small diameter of fabric roll
26	Mounting bracket - **Right**		
27	Large Mounting bracket - **Left**		Used for: • Outside mount • Large Square/Curved fascia • Roller shades with large diameter of fabric roll
28	Large Mounting bracket - **Right**		

Hardware Information

Different hardware will be provided for different control systems. The qty of some hardware will depend on the shade width. See below for more information.

Mounting Bracket (OM with raceway):

Shade width X(")	Qty
8" ≦X≦40"	2 End Mounting Brackets
40" <X≦80"	3 End Mounting Brackets + 1 Middle Installation Brackets
X>80"	4 End Mounting Brackets + 2 Middle Installation Brackets

Mounting hardware for top light guard piece (with light guard):

Shade width X(")	Qty
X≦40"	2
40"<X≦68"	3
68"<X≦96"	4
X>96"	5

Valance Bracket for Wood/Fabric Valance:

Shade Width X(")	Qty
X≦40"	2
40" <X≦68"	3
68" <X≦96"	4

* For common valance or valance in custom width, the qty of valance bracket=(Outer width of each piece -12")/28+1

Valance Bracket for Square/Curved Fascia:

Shade Width X(")	Qty
X≦40"	2
40"<X≦68"	3
68"<X≦96"	4
96"<X≦124"	5
X>124"	6

* For fascia in custom width, the qty of valance bracket= (Custom width -12")/28+1

Cleaning Roller Shades

Routine cleaning will help maintain the beauty of your shade.

Proper ways to clean Roller Shades:
- Use a hand held vacuum to remove debris
- Use a duster to remove any light dust
- Spot clean by using a soft cloth or sponge moistened with lukewarm water. Add mild detergent, if needed. Blot gently to avoid creasing or damaging the fabric. Rubbing can damage the fabric.

Do not iron roller shade fabrics.