# Easy Spring Plus
# Roller Roman

## PRODUCT SPECIFICATION
## MANUAL

ROLLEASE
ACMEDA
PRECISION IN MOTION

# CONTENTS

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**WARRANTY**

Rollease Acmeda provide a 5 year hardware warranty against defects to the original purchaser [the fabricator/manufacturer].

The hardware warranty is not to be transferred to the end consumer.

The hardware warranty is limited to the repair or resupply of defective hardware components to the fabrictor/manufacturer only.

The hardware warranty is applicable to normal use.

The hardware warranty when applied to external systems assumes the blinds are not used in strong winds/storms and not left down indefinitely.

The hardware warranty will not apply where the defect arises due to incorrect assembly and installation.

The hardware warranty is not applicable for coastal applications unless specified.

Retailers are obliged to supply consumers with their own warranty, if required, at the point of purchase.



# TOOLS AND ADDITIONAL ITEMS REQUIRED

- Saw

- Scissors

- Screwdriver/Power Drill

- Screws for mounting brackets

- Allen Wrench

- Hammer/Maller

- Measuring Tape (with 16th increments)

- Metal saw (for cutting rail and tube)

- Level

- Ladder

- Eye Protection

- Gloves

# EASY SPRING PLUS SCHEMATICS

## ROLLER ROMAN SHADE
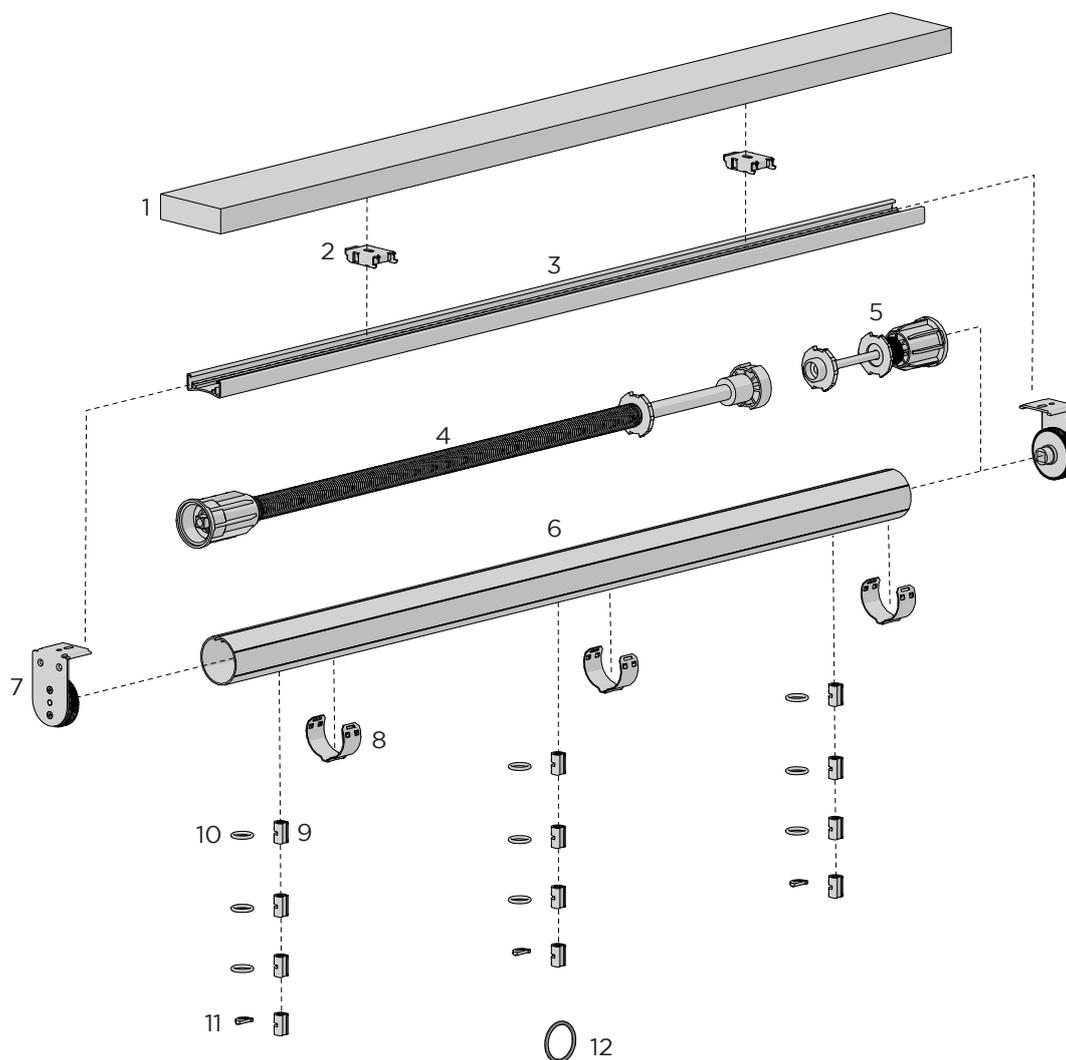
SYSTEM INDEX:

1. Dustboard
2. Mounting Brackets
3. Headrail
4. Spring
5. Spring stopper
6. Aluminium Tube
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8. Tube clip
9. Forever Ring
10. Short Stack Ring Lock®
11. Level lock
12. Pull Ring

Easy Spring Plus Roller Roman Product specification Manual | v1.0 | July 2021
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| | PART NUMBER | DESCRIPTION | U.O.M | QTY | DEDUCTION |
|---|---|---|---|---|---|
| **BRACKET - W/ Adjuster Wheel** | RE0080710 | White - 1-1/2" | EA | 2 | |
| **BRACKET - W/ Side Adjuster** | RE0084610 | White - 1-1/2" | EA | 2 | |
| | | | | | |
| **EASYSPG PLUS SPRING LH** | RE0080400 | 1.2 x 300mm | EA | 1 | |
| | RE0080500 | 1.5 x 450mm | EA | 1 | |
| | RE0084400 | 1.7 x 550mm | EA | 1 | |
| | RE0084910 | 1.1 x 180mm | EA | 1 | |
| | | | | | |
| **EASYSPG PLUS STOP RH** | RE0084810 | White - 1-1/2" | EA | 1 | |
| | | | | | |
| **EASYSPG PLUS HEADRAIL** | RE0080110 | White - 16' | EA | 1 | W - 1" |
| | | | | | |
| **MOUNTING BRACKETS FOR HEADRAIL** | RE0080200 | Varies depending on width of shade (max 18" between brackets) | EA | 2 | |
| | | | | | |
| **TUBE** | RTEA4T12 | 1.5" X 12' - Taped | EA | 1 | W - 1-3/8" |
| | RTEA4T16 | 1.5" X 16' - Taped | EA | 1 | W - 1-3/8" |
| | | | | | |
| **LIFT CORD** | V2LC100 | 1.2mm - White (sold in 1000 yard/roll) | roll | 1 | |
| | V2LC305 | 1.2mm - Sand (sold in 1000 yard/roll) | roll | 1 | |
| | V2LC885 | 1.2mm - Bronze (sold in 1000 yard/roll) | roll | 1 | |
| | | | | | |
| **CHILD SAFETY PRODUCT**  1 set for each row A short stack is used with each Ring and with each Level Lock in place of an Orb.  1 Short Stack & Forever Ring per ROW per COLUMN.  1 Short Stack and Level Lock PER COLUMN in place of an Orb | STSFR | Forever Ring | BG 1000 | | |
| | STSRL | Safety Ring Lock | BG 1000 | | |
| | STSRL09 | Safety Ring Lock 0.9mm Cord | BG 1000 | | |
| | STSLLILP | Level Lock Insert | BG 100 | | |
| | | | | | |
| **Roller Roman Tube Clips** | RRTC15 | Clip Tube Roller Roman 1-1/2". QTY varies depending on size of tube (5 lbs per lift cord max) | EA | | |
| | | | | | |
| **PRE-ROTATION TOOL** | RE0084200 | 1.5" (38mm) | EA | 1 | |
| | | | | | |
| **PULL RING** | NOT SUPPLIED | | | | |
| | | | | | |
| **DUSTBOARD** | NOT SUPPLIED | | | 1 | |
| | | | | | |
| **FABRIC** | Texstyle | Fabric Width | mm [inch] | 1 | |
| | | Fabric Drop | mm [inch] | | |

# DEDUCTIONS

Please contact Rollease Acmeda: marketing@rolleaseacmeda.com to request electronic copies of the file listed below.



Dustboard Width

11/16" Tube     11/16" Tube

1/2" Headrail     1/2" Headrail
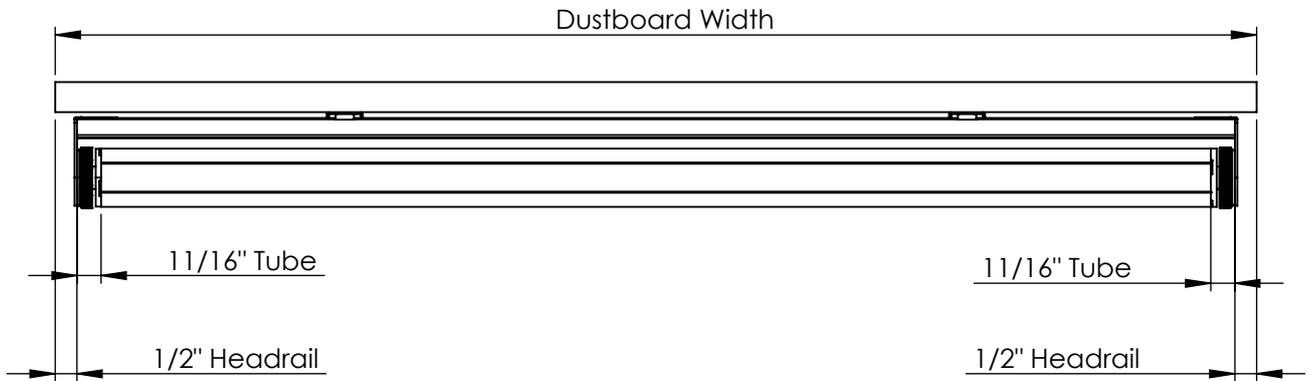
Step 1. Determine Size of Dustboard

Step 2. Cut headrail 1" smaller than dustboard (leaving 1/2" on each side of dust board. See diagram above)

Step 3. Cut Tube 1-3/8" smaller than headrail (leaving 11/16" on each side of headrail. See diagram above)

| DEDUCTIONS EXAMPLE | |
|---|---|
| **DUSTBOARD** | 40" |
| **HEADRAIL** | 39" |
| **TUBE** | 37 5/8" |

## SELECT SPRING BASED ON DUSTBOARD WIDTH AND SHADE WEIGHT.

Note: When choosing a spring, pick the longest spring that will fit in the tube as long as the shade weight does not exceed the max shade weight in the chart below. (shade weight does not include dustboard and tube system)

Any of these Springs may be cut down to accommodate smaller width shades that may need stronger capacity. See instructions on how to cut down springs on our website.

| SPRING | SPRING SIZE | STOPPER SIZE | MAX SHADE WEIGHT | MIN TUBE WIDTH | MIN HEADRAIL WIDTH | MIN DUSTBOARD WIDTH |
|---|---|---|---|---|---|---|
| 1.1mmX180mm | 7.08" | 3.9" | 3 lbs | 13.5 | 14.875" | 15.875" |
| 1.2mmX300mm | 19-3/8" | 3.9" | 6 lbs | 25-7/8" | 27-7/16" | 27-15/16" |
| 1.5mmX450mm | 26" | 3.9" | 9 lbs | 32-1/2" | 34-1/16" | 34-9/16" |
| 1.7mmX550mm | 30" | 3.9" | 12 lbs | 36-5/8" | 38-3/16" | 38-11/16" |

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## CUTTING SPRING (If required)

Original spring length.
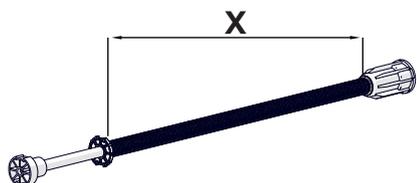
Take off the damper & screw.
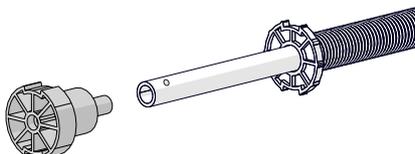
Take off the spring end by turning it anti clockwise.
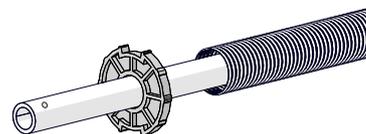
Check the spring table on page 6 to determine the new spring length. Cut the spring as required. Record the cutting length.
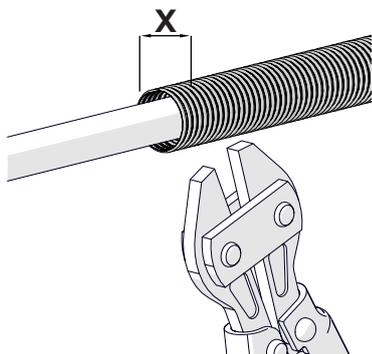
Cut the the inner tube length as spring cutting length.
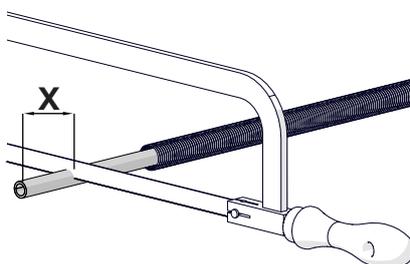
Once the spring and tube has be cut to the new required length, assemble the spring End by rotating it clock-wise.
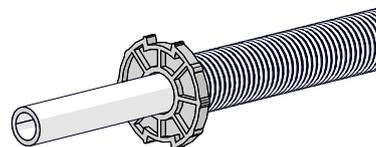
Drill a hole in the end of tube.
3mm - 1.1 x 120mm spring
5mm - other spring
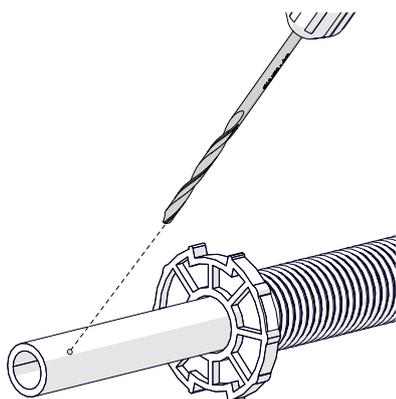
Slide the damper back in the tube and attach it using the screw.
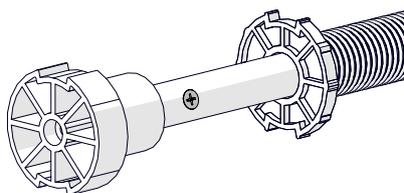
New spring length.
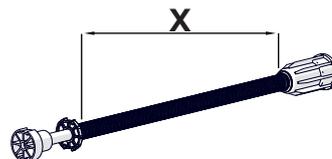
# FABRICATION

## TO BEGIN:

- 1. Make sure you have a clean working area.
- 2. Lay all parts on fabrication table.
- 3. Assemble Roman shade panel with lift cord (per your usual method).
- 4. Use 1"x 3" or 1"x 2" true covered dust board (per usual method).

<u>**WATERFALL SHADE**</u>
**(with fabric dropping off the front of the dustboard)**

If you're facing **BACK** of shade as shown below, Spring will be on your **LEFT** and Stop will be on your **RIGHT.**
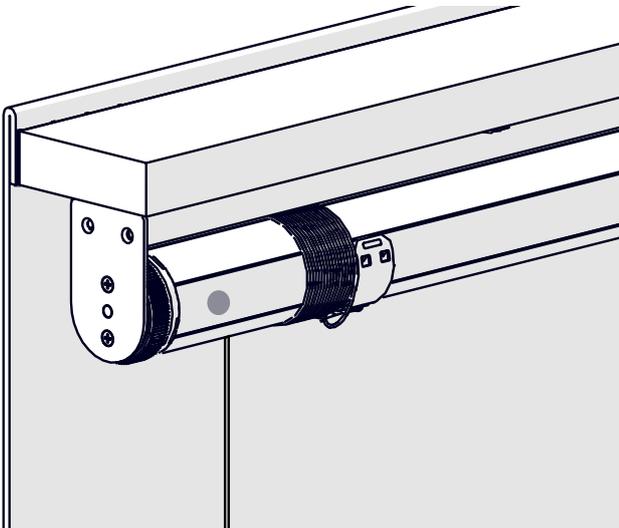


<u>**STANDARD SHADE WITH GROMMETS**</u>
**(with fabric dropping off the back of the dustboard)**

If you're facing **FRONT** of shade as shown below, Spring will be on your **LEFT** (see sticker) and stop will be on your **RIGHT.**
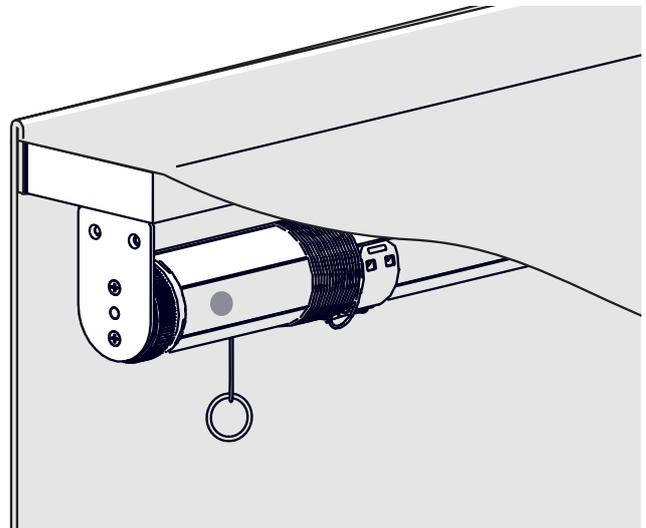


## INSERT SPRING INTO TUBE

Make sure to align tab on spring between the grooves in the tube
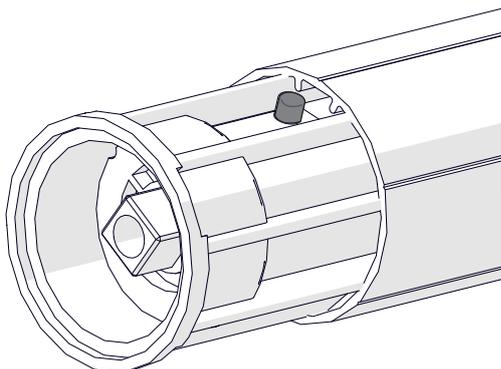


**NOTE:** Position of spring and stop depends on type of Roman shade you're making. When assembling your shade, use a sticker or similar to mark spring side for later reference.

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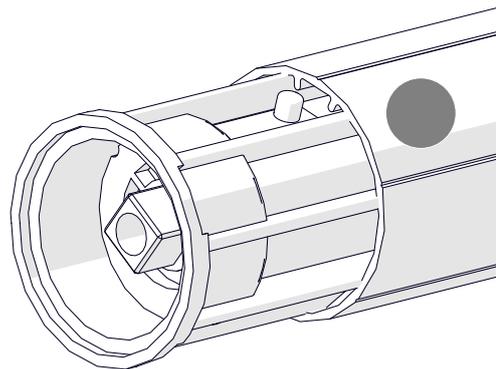
## STOP PLATE

### SETTING THE STOP PLATE

On a Cordless Roller Roman Shade system, It is necessary to set the stop plate (move the stop plate away from the stop spring) before inserting it into the tube. This will allow you to be able to set the upper stop position of the shade. (Skipping this step will cause the shade to stick at the bottom and not raise.)

**To set this quickly and adjust later:**
Set the stop plate on the shade stop by rotating it half way from the stop spring.

**To set this more accurately now:**
Use the chart below to set the stop according to the height of the shade.

| Shade Height (Inches) | Plate Revolutions | Distance from Spring (X) |
|---|---|---|
| 5 | 1 | 1/16" |
| 9 | 2 | 1/8" |
| 14 | 3 | 1/8" |
| 19 | 4 | 3/16" |
| 24 | 5 | 3/16" |
| 28 | 6 | 1/4" |
| 33 | 7 | 3/8" |
| 38 | 8 | 3/8" |
| 42 | 9 | 7/16" |
| 47 | 10 | 1/2" |
| 52 | 11 | 1/2" |
| 56 | 12 | 9/16" |
| 61 | 13 | 5/8" |
| 66 | 14 | 11/16 |
| 71 | 15 | 3/4" |
| 75 | 16 | 3/4" |
| 80 | 17 | 7/8" |
| 85 | 18 | 7/8" |
| 85 | 18 | 7/8" |
| 89 | 19 | 15/16" |
| 94 | 20 | 1" |
| 96 | 21 | 1" |

Rotate stop plate away from stop spring
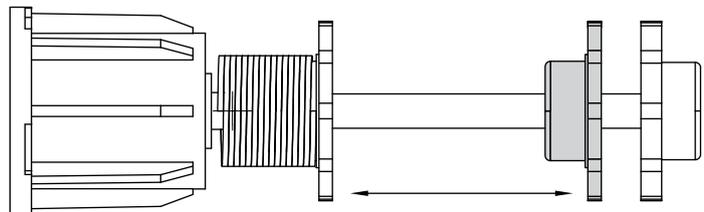
Below shows stop plate half way from stop spring

X

Stop Plate
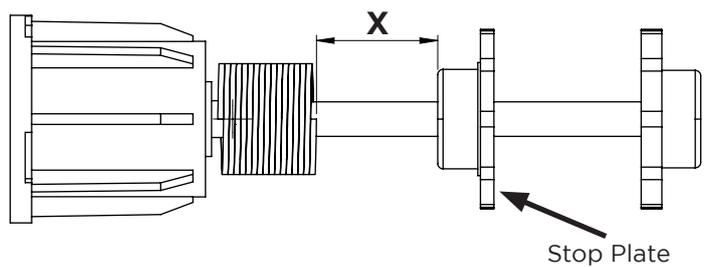
**Note:** Fractional distances are approximate

## PRE-ROTATIONS

INSERT THE STOP (OPPOSITE SIDE FROM SPRING)

**Note:** Make sure to align groves in the stop with grooves in the tube.
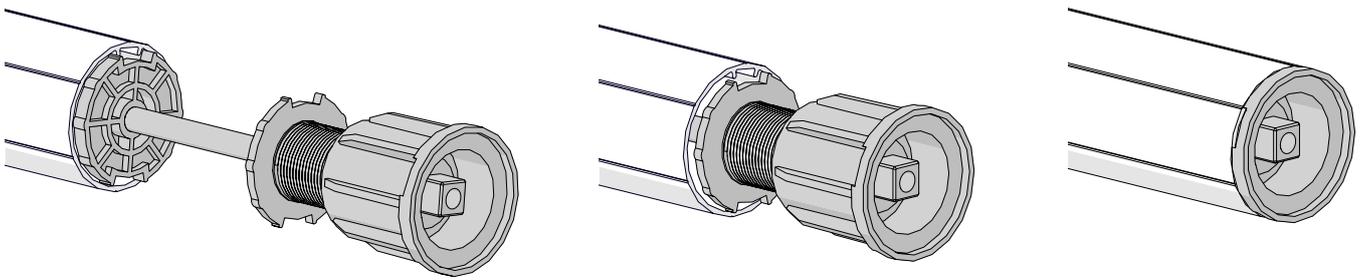
DETERMINE NUMBER OF PRE-ROTATIONS NEEDED, THEN ROTATE THE SPRING.

The number of spring pre-rotations are determined by the length and weight of the shade. Refer to the Pre-rotation Charts and follow the steps below:

In the **"Pre-rotations by Shade Length"** chart, find the LENGTH of your shade on the left side axis. Then move horizontally across to the plotted line, and then vertically down to the bottom axis to find the number of pre-rotations required for your shade's LENGTH.

Next In the **"Pre-rotations by Shade Weight"** chart, find the WEIGHT of your shade on the left side axis. Then move horizontally across to the plotted line, and then vertically down to the bottom axis to find the number of pre-rotations required for your shade's WEIGHT.

Add the total from both charts together for the total number of pre-rotations. The total can not exceed 50 pre-rotations.

Using the pre-rotation tool, rotate the spring clockwise to set the tension. Before removing handle, rotate the handle 1/4 turn backwards to set the lock. Roller tube must be horizontal for lock to work properly.

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# PRE-ROTATIONS CHART

## WEIGHT LBS

| INCH / DROP | LH 1.1 - 1 | LH 1.1 - 2 | LH 1.1 - 3 | LH 1.2 - 1 | LH 1.2 - 2 | LH 1.2 - 3 |
|---|---|---|---|---|---|---|
| 10 | 25 | 33 | | 21 | 28 | |
| 20 | 25 | | | 21 | 28 | |
| 30 | 25 | | | 21 | 28 | |
| 40 | 25 | | | 21 | | |
| 50 | 25 | | | 21 | | |
| 60 | | | | 21 | | |
| 70 | | | | | | |
| 80 | | | | | | |
| 90 | | | | | | |
| 100 | | | | | | |
| 110 | | | | | | |
| 120 | | | | | | |
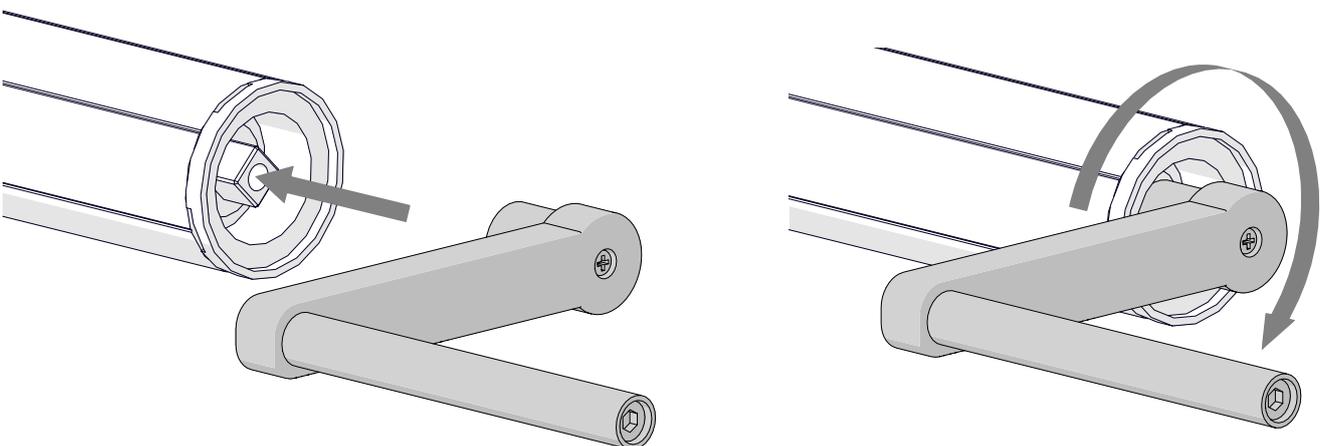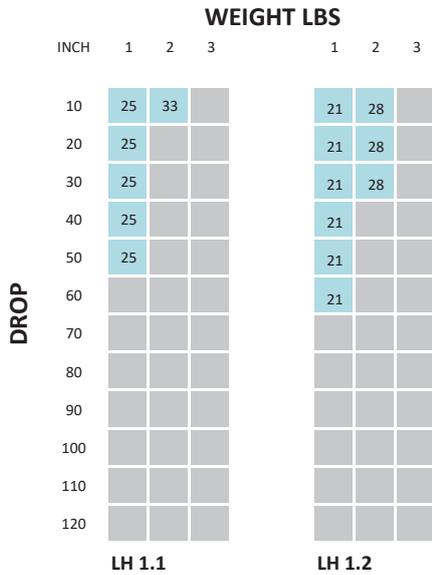
**LH 1.1**     **LH 1.2**

### EASYSPG PLUS SPRING

| PARAMETERS | LH 1.1 | LH 1.2 |
|---|---|---|
| MAX TURNS | 38 | 36 |

- PRE-ROTATION
- OUTSIDE PRODUCT SPECIFICATIONS

## WEIGHT LBS

| INCH / DROP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| 10 | 13 | 17 | 21 | 26 | 30 | 34 | 39 | 43 | |
| 20 | 13 | 17 | 21 | 26 | 30 | 34 | 39 | | |
| 30 | 13 | 17 | 21 | 26 | 30 | 34 | 39 | | |
| 40 | 13 | 17 | 21 | 26 | 30 | 34 | | | |
| 50 | 13 | 17 | 21 | 26 | 30 | 34 | | | |
| 60 | 13 | 17 | 21 | 26 | 30 | 34 | | | |
| 70 | 13 | 17 | 21 | 26 | 30 | | | | |
| 80 | 13 | 17 | 21 | 26 | 30 | | | | |
| 90 | 13 | 17 | 21 | 26 | | | | | |
| 100 | 13 | 17 | 21 | 26 | | | | | |
| 110 | 13 | 17 | 21 | | | | | | |
| 120 | 13 | 17 | 21 | | | | | | |
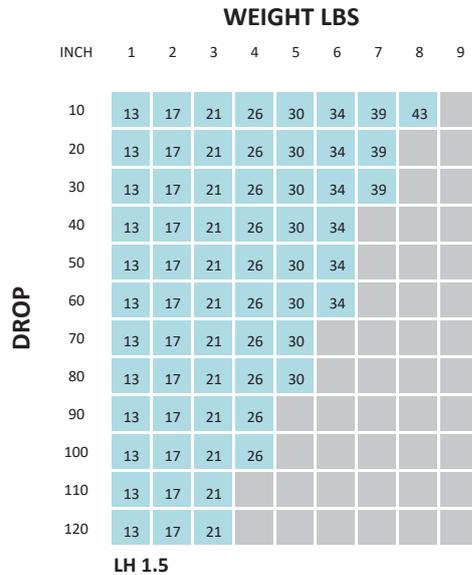
**LH 1.5**

### EASYSPG PLUS SPRING

| PARAMETERS | LH 1.5 |
|---|---|
| MAX TURNS | 48 |

- PRE-ROTATION
- OUTSIDE PRODUCT SPECIFICATIONS

## WEIGHT LBS

| INCH / DROP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 9 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 | 38 | 41 | 44 | 46 | |
| 20 | 9 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 | 38 | 41 | 44 | 46 | |
| 30 | 9 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 | 38 | 41 | 44 | | |
| 40 | 9 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 | 38 | 41 | | | |
| 50 | 9 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 | 38 | | | | |
| 60 | 9 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 | 38 | | | | |
| 70 | 9 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | 35 | | | | | |
| 80 | 9 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | | | | | | |
| 90 | 9 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | 32 | | | | | | |
| 100 | 9 | 11 | 14 | 17 | 20 | 23 | 26 | 29 | | | | | | | |
| 110 | 9 | 11 | 14 | 17 | 20 | 23 | 26 | | | | | | | | |
| 120 | 9 | 11 | 14 | 17 | 20 | 23 | | | | | | | | | |
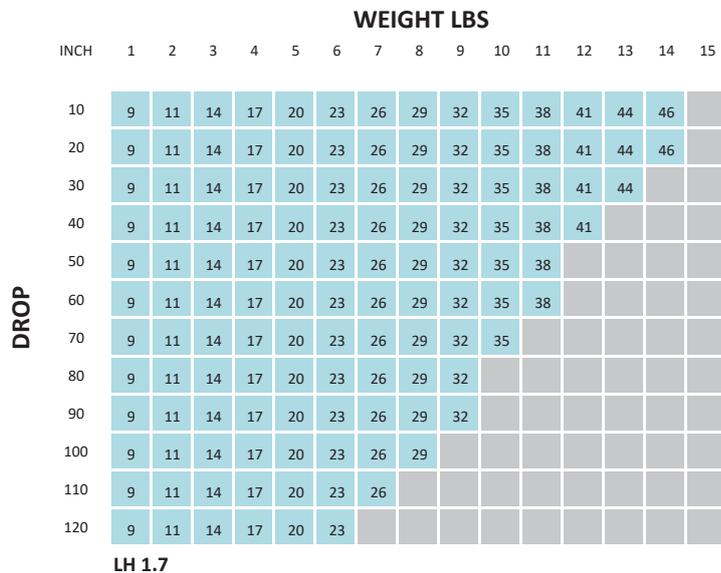
**LH 1.7**

### EASYSPG PLUS SPRING

| PARAMETERS | LH 1.7 |
|---|---|
| MAX TURNS | 52 |

- PRE-ROTATION
- OUTSIDE PRODUCT SPECIFICATIONS

## EASY SPRING PLUS ASSEMBLY

INSERT SPRING END BRACKET INTO HEADRAIL AND USE SCREWS PROVIDED TO SECURE IN PLACE.

Screws should align with grooves on inside of headrail.
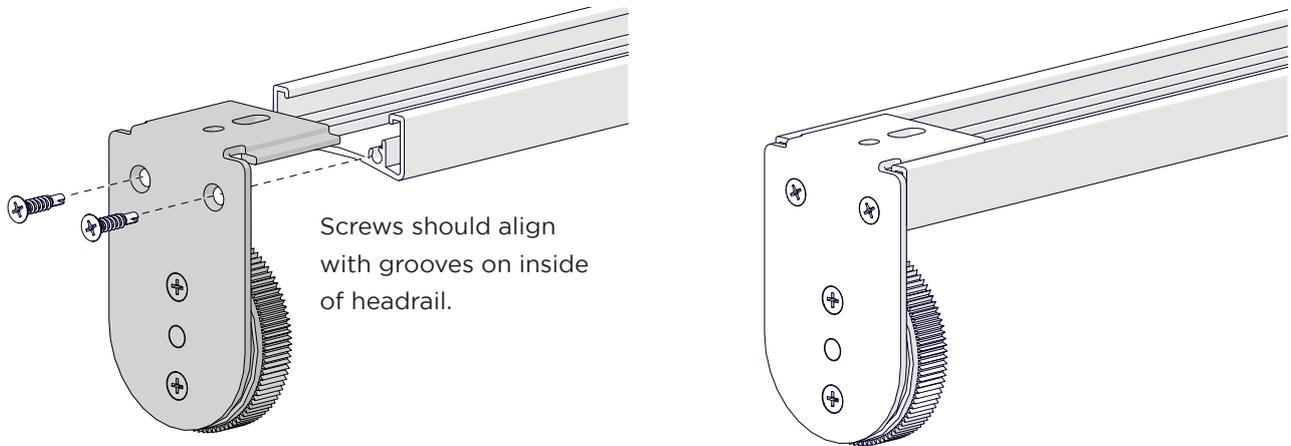
### INSERT SPRING END OF TUBE INTO BRACKET WITH ADJUSTER WHEEL.

Align spring end with bracket adjuster wheel. Insert tube with spring end into adjuster wheel bracket.
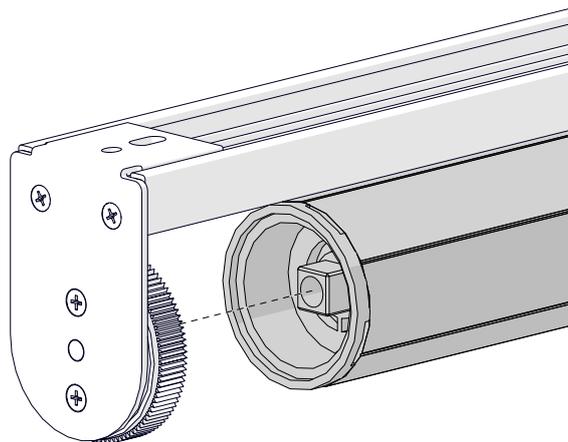
### INSERT STOP END OF TUBE INTO BRACKET WITH ADJUSTER WHEEL.

Insert stop end bracket on the opposite end into headrail. Align adjuster wheel with end of stopper and secure bracket with screws provided.

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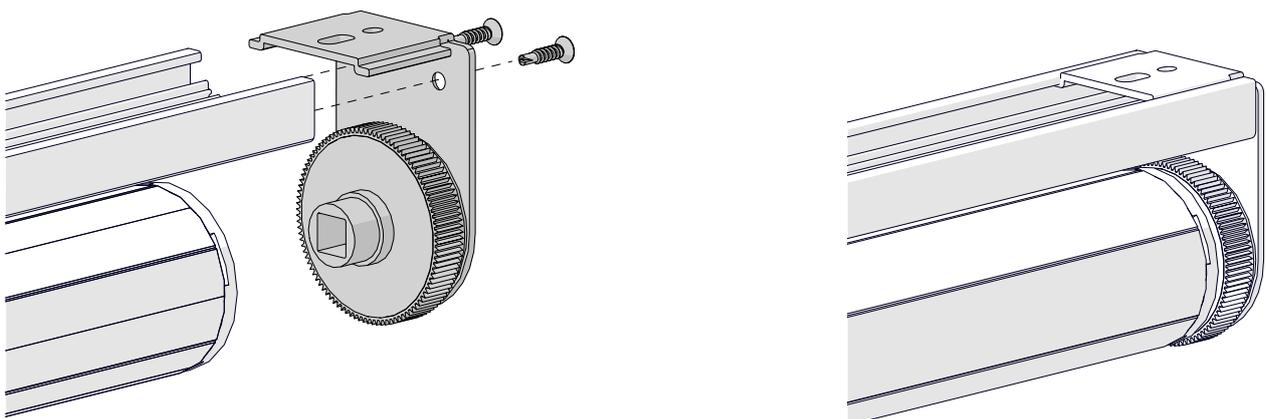
# EASY SPRING PLUS ASSEMBLY

## ATTACHING MOUNTING BRACKETS TO DUSTBOARD

Evenly space the brackets on the center of the dustboard one every 18". Keep brackets in a straight line and perpendicular to the sides of the dustboard. The clear plastic tab faces the rear of the shade.
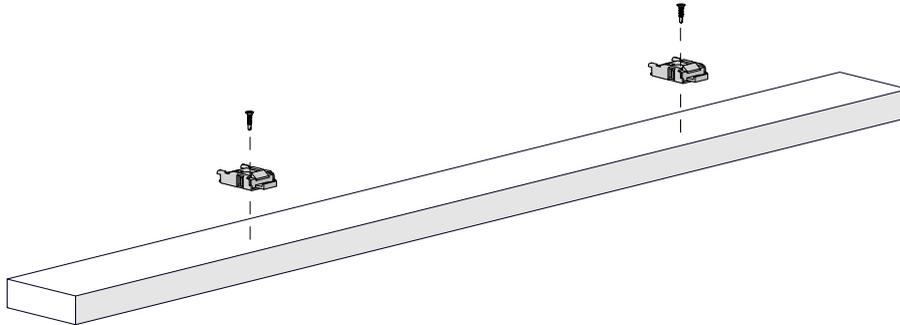


## ATTACHING HEADRAIL TO DUSTBOARD

Align headrail with the mounting bracket as shown in Fig (A). Rotate headrail while pushing on the bracket tab Fig (B) and snap the headrail into the mounting brackets Fig (C).
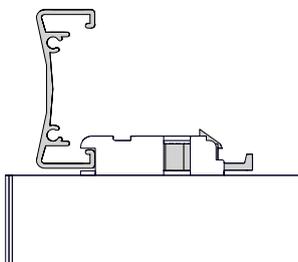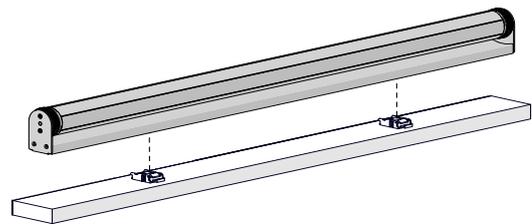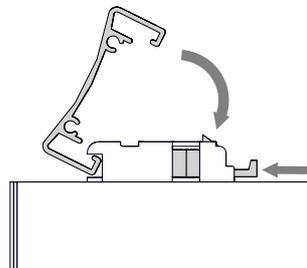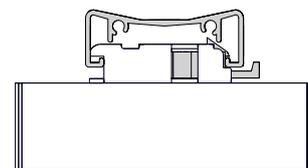




Fig (A)                    Fig (B)                    Fig (C)

## ATTACH VALANCE (OPTIONAL)

Align valance to dustboard and attach as per usual method.
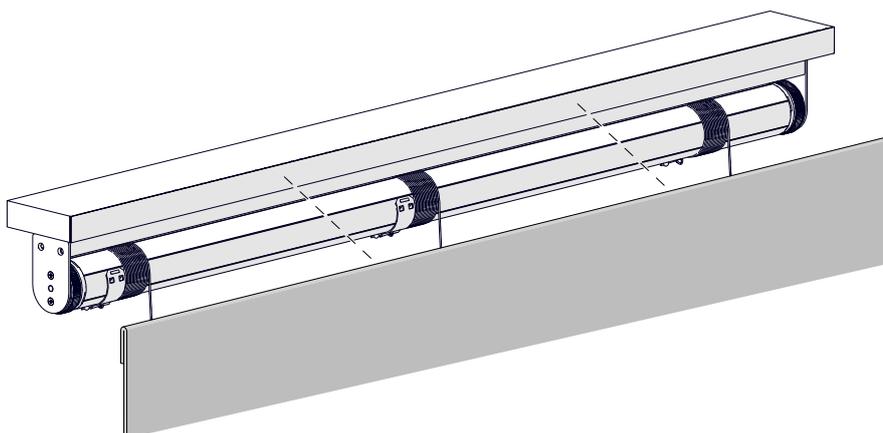
## EASY SPRING PLUS ASSEMBLY

### ATTACH CORD

With shade attached to mounting board, lay shade flat, back side facing up. Bring lift cords up through first row of rings (preferably with Ring Locks attached ), then between back of shade and tube, and over top of tube. Feed lift cord through top of clip and tie with  **(as shown below)** on underside of clip so it can't pull through the hole.

**ALWAYS USE THE SMALLEST HOLE ON THE TUBE CLIP (as shown below) AND THAT HOLE SHOULD BE CLOSEST TO YOUR CORD LIFT COLUMN (as shown below)**

Smallest Hole
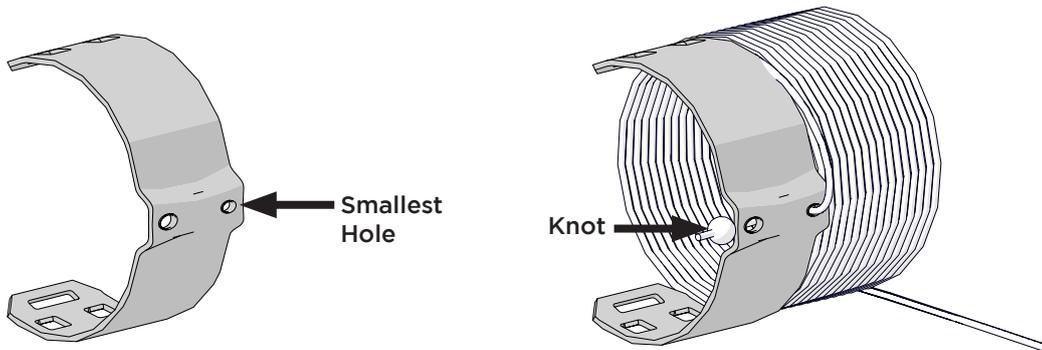
Knot

### ATTACH CORD CLIPS TO TUBE

Attach cord clips to tube with cord knot on side nearest vertical cord lift line. (see page 15 for clip alignment)

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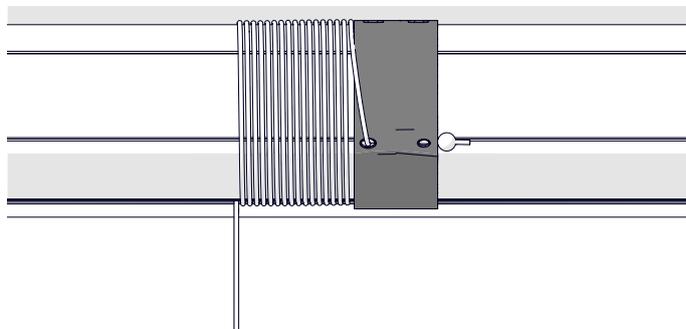
# EASY SPRING PLUS ASSEMBLY

## CLIP ALIGNMENT

Clips should be spaced evenly alternating sides of lift cords. Always use an uneven amount of clips, then place the middle clip to the left or right of middle lift cord. A center cord is needed for the attachment of the pull ring.

**NOTE: Do not use screw eyes on this system. Screw eyes or any style diverter add extra drag to the system, which will prevent smooth operation.**



Clip

Lift cord column

X Inches

The clips should be offset "**X Inches**" from the lift cord **SEE CLIP OFFET CHART**
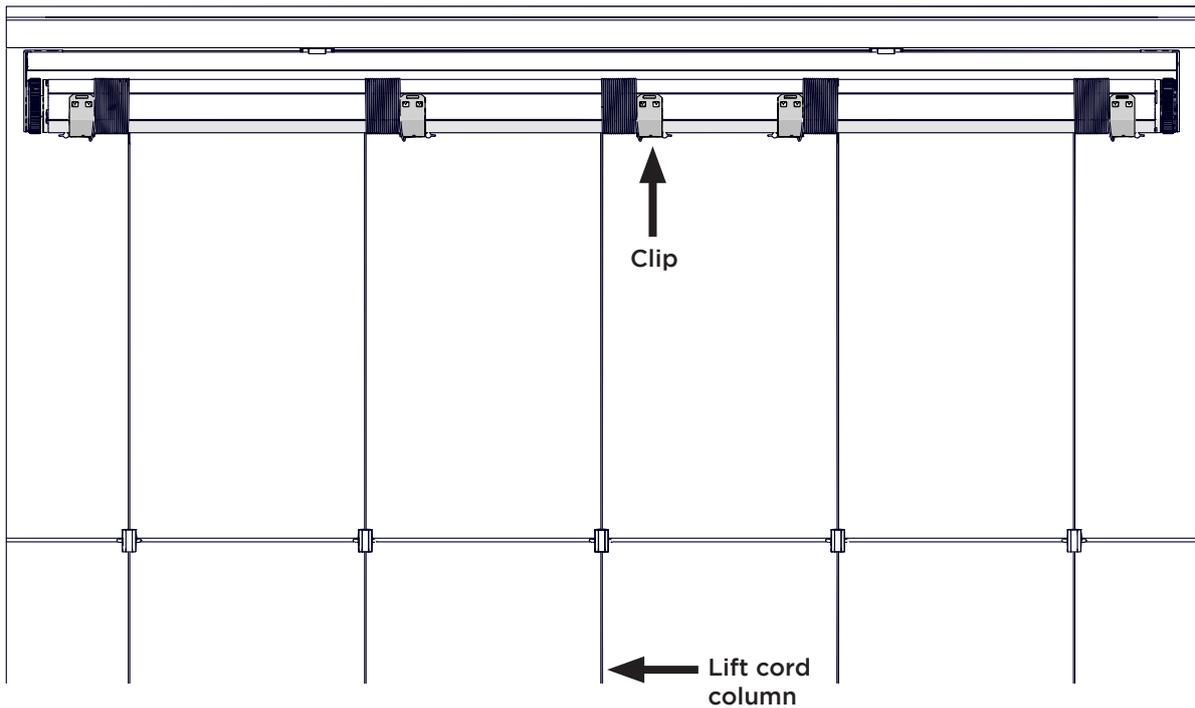


| CLIP OFFSET CHART | |
|---|---|
| **Shade Length** | **Clip Offset From Column** |
| up to 30" | 1" Offset |
| 30" to 60" | 2" Offset |
| 60"+ | 3" Offset |
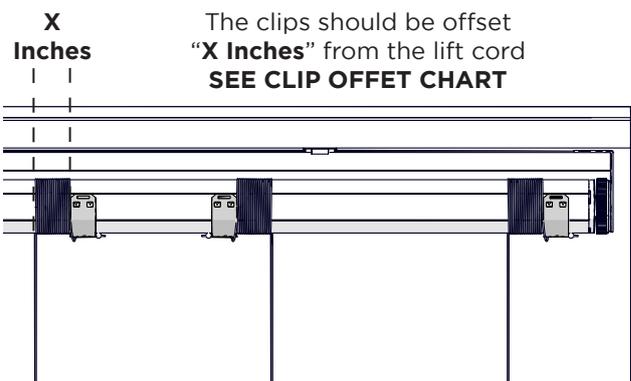
Clips should be spaced evenly using the Clip Offset Chart as a guide for spacing. Shade should be fully extended during attachment. Cord should come between tube and headrail and over top of tube for attachment. Center tube clip may go either to the right or left of the center lift cord column.

# CHILD SAFETY LOCK

## ATTACH FOREVER RINGS

Attach Forever Rings™ to the inside of the shade fabric as shown. Space the ring evenly in vertical colums with the number of colums determined by the weight of the shade. Ring spacing should not exceed 8 inches for 1.4mm cord and 6 inches for 0.9mm cord.

**Note: The rings seen below are sewn to the fabric BEFORE the fabric is attached to the headrail. The column placement is decided when sewing the panel. The spools are adjusted to meet the colums.**
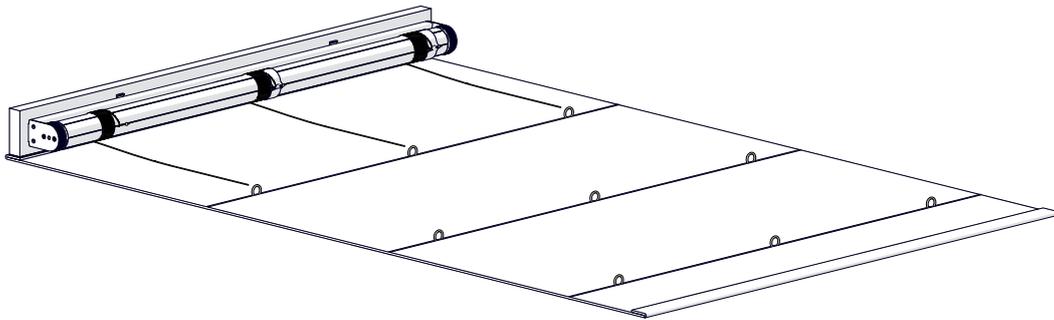


## ATTACH SHORT STACK RING LOCKS® TO FOREVER RINGS™

Starting at the top of the shade, place a Short Stack Ring Lock® over a top Forever Rings™. Thread the cord through the holes in the Short Stack Ring Lock® and the Forever Rings™. Repeat with each of the remaining rings in the column and the remaining colums.



Forever Rings™

Cord

Short Stack Ring Lock®
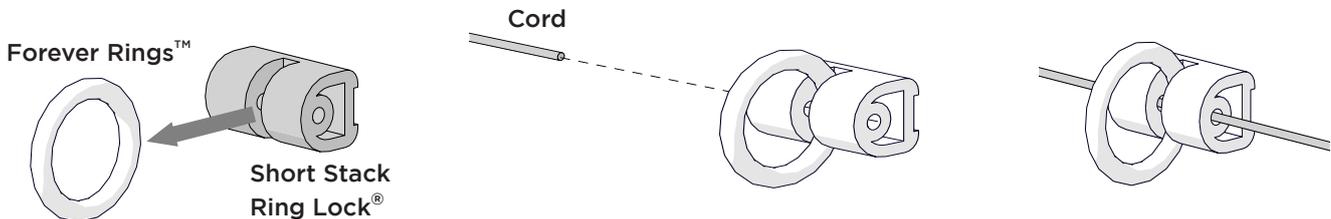
## ATTACH A LEVEL LOCK® AT THE BOTTOM OF THE COLUMNS

Insert the Level Lock, straight edge up, into the slot in the Ring Lock. Thread the free end of the cord through both Ring Lock and Level Lock. Rotate the Level Lock insert so the flat side is down and slide to one side until you hear a **CLICK**. The Level Lock Set is now locked.



Level Lock

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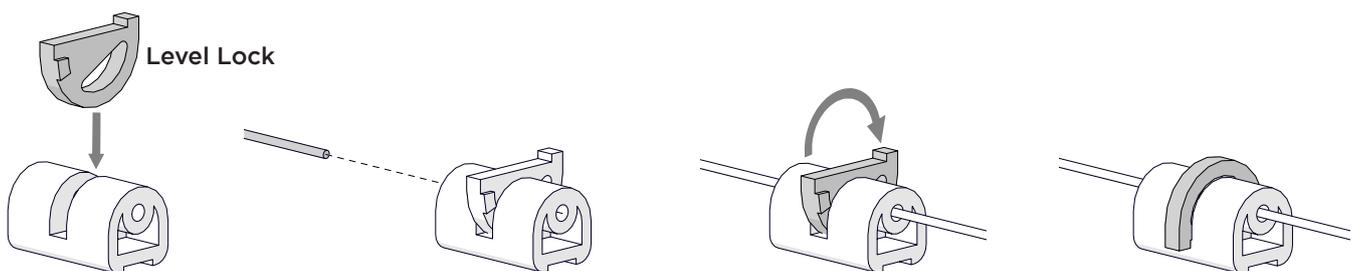
# CHILD SAFETY LOCK

## LEVEL THE SHADE

With the shade mounted on the window, pull it up to its closed position, and hold the shade bottom level. Adjust each Level Lock by sliding its insert back, adjusting its height and relocking.

**← Unlock**

**↑ Slide up snug**
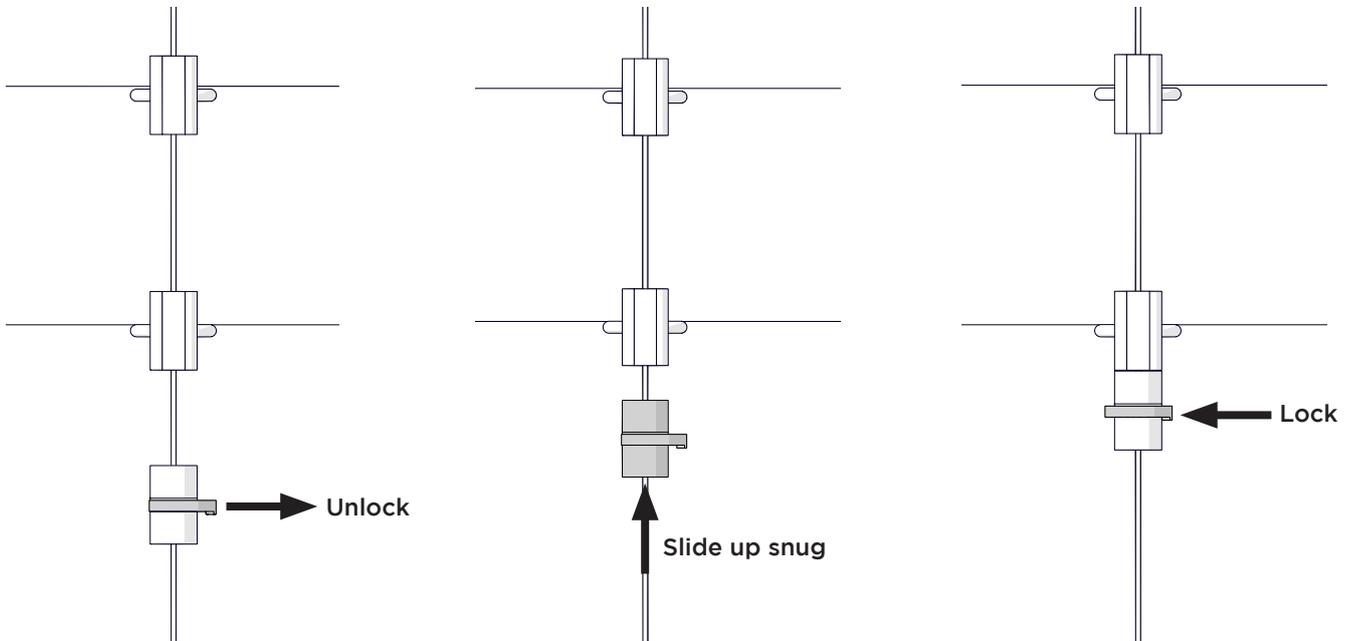
**← Lock**

## TIE KNOTS AT THE CORD ENDS

With the Level Locks holding the shade up in a level closed position, tie a stopper knot below each of the Level Lock Sets. Trim the excess cord.

**Note: ONLY AFTER a Level lock (as seen here) is added do we knot the cord.**

**← Knot**
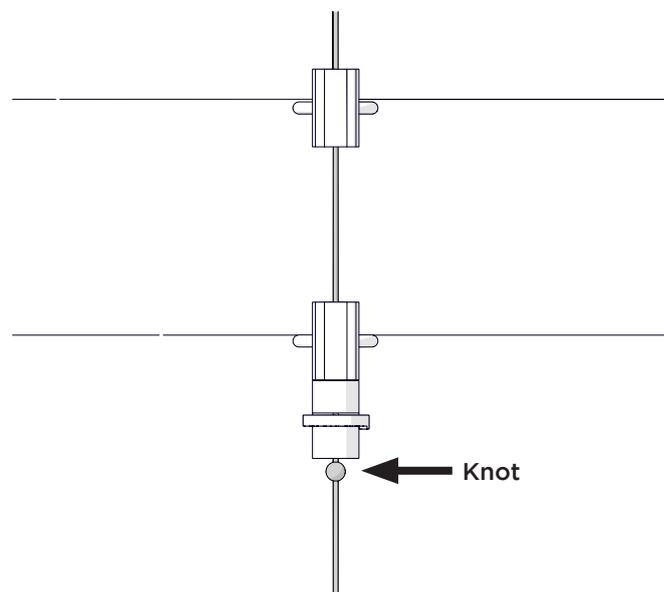
## EASY SPRING PLUS ASSEMBLY

### ATTACH RING LOCK

First hang shade so you can work from the back. Bring Ring Lock with Level Lock attached up to bottom rings so there is light tension on the lift cord. Attach lift ring to center cord a minimum of 2 inches below last (bottom) ring.



2"    **Attach lift ring to center cord a min of 2 inches**
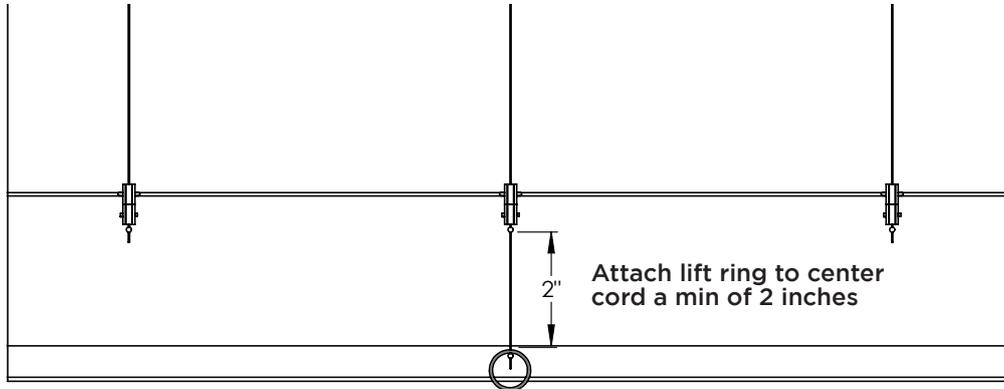
### ADJUSTING THE STOP AND SPRING

Pull on ring to rotate the tube about 1/4 turn. This releases the locking mechanism. Release ring and let shade raise naturally. Or, turn the tube 1/4 rotation in the opposite direction (toward the front of the shade while standing in the back of the shade) to release the locking mechanism.

Check tension of spring and adjust by raising shade as far as it will go to the top, holding tube with one hand and turning adjuster wheel with the other (facing end of tube) counter-clockwise to decrease and clockwise to increase the tension. This should be adjusted before setting the stop.



**Pull on ring**

Easy Spring Plus Roller Roman Product specification Manual | v1.0 | July 2021
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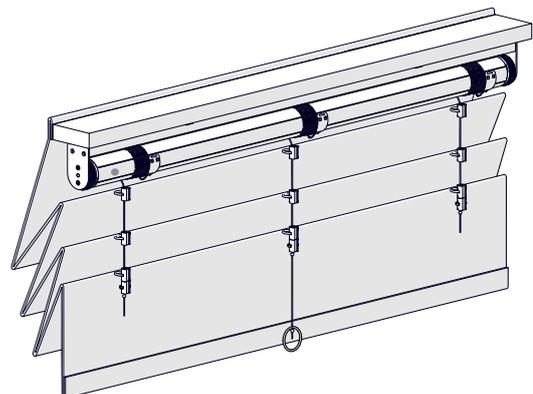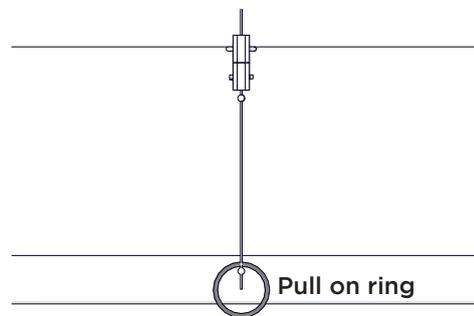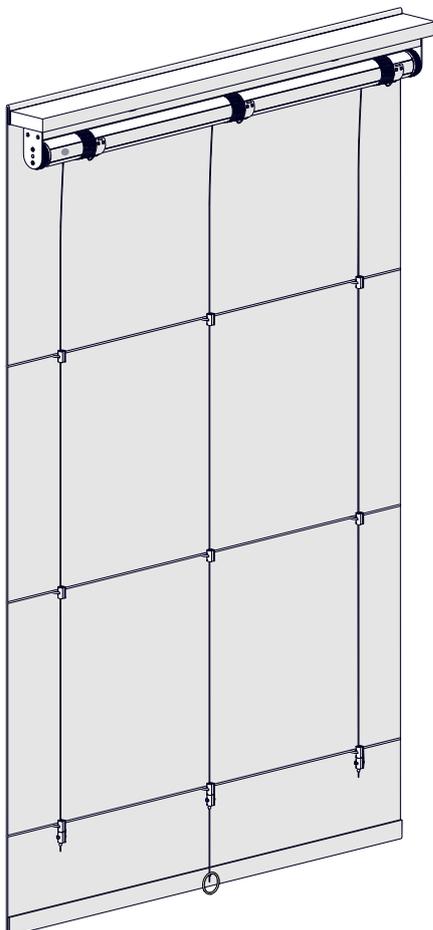
## EASY SPRING PLUS ASSEMBLY

### ADJUST STOP HEIGHT

Now you can adjust stop height. Once the shade has risen all the way up, pull it down to the position where you want it to automatically stop. Hold the tube still while you rotate the stop adjuster wheel clockwise (or front of wheel toward top of window) until the wheel stops. The stop height is now set.

Test the shade. Pull the shade all the way down to the lower position. Now pull and release ring and watch the shade go back up to the stop position that you just set.
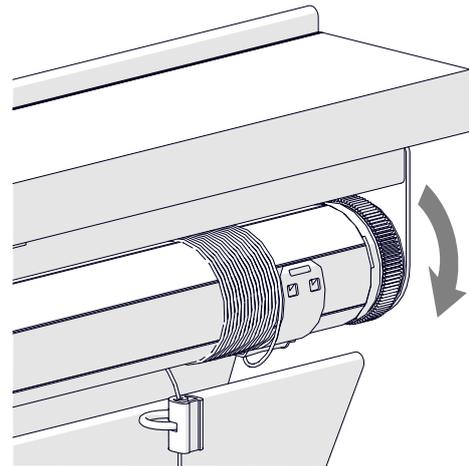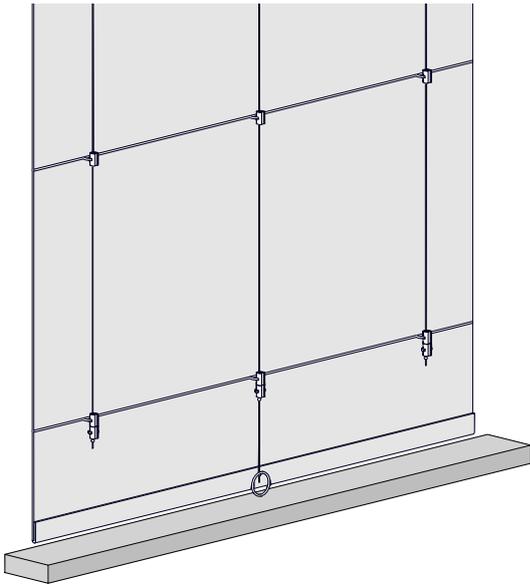


### COMPLETE SHADE ASSEMBLY

Completed shade. Visually check to make sure that the spring marker is on the correct side of the shade for the model that you are making. (See page 8 for reference)
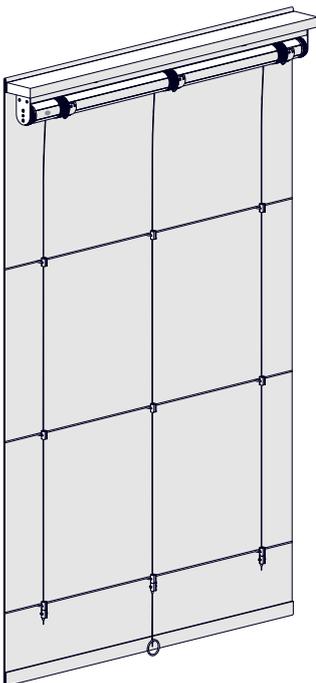
## PROBLEMS AND SOLUTION

| NO. | PROBLEM | CAUSE | SOLUTION |
|-----|---------|-------|----------|
| 1 | Shade is stuck at the bottom an will not raise | Did you remember to pre-rotate the spring? | Check to make sure spring has tension. (see page 10)<br><br>Check to make sure stop plate is not against stop spring. (see page 9)<br><br>Shade must have enough slack to work properly. The tube must be able to turn in the reverse direction for thelock to disengage. If the shade has run out of slack, rotate the tube about 1/4 turn (in the direction that thestring comes off the tube) by hand to disengage the lock.<br><br>See video titled "How to fix a stuck cordless Roman shade" |
| 2 | Shade goes up too fast or slow | Spring needs adjustment | Remove (or add) tension from the spring with the spring adjuster wheel. Assuming the RollEase instructions were followed, the spring side will have a marker on the tube and the stop side will not.<br><br>When the spring is on your right facing the window<br>Too slow - add tension by rotating the wheel counter-clockwise (toward the bottom of the window).<br>Too fast - remove tension by rotating the wheel clockwise (toward the top of the window).<br><br>When the spring is on your right facing the window<br>Too slow - add tension by rotating the wheel counter-clockwise (toward the bottom of the window).<br>Too fast - remove tension by rotating the wheel clockwise (toward the top of the window).<br><br>See video titled "How to Adjust Spring Tension on the Easy Spring Plus Cordless Roman shade" |
| 3 | Shade stops too high or too low from top | Stop needs adjustment | *Adjust stop height by turning the stop adjuster wheel. Then, lower and raise shade to check.<br><br>When the stop is on your right facing the window<br>Too high - lower by rotating the wheel clockwise (toward the bottom of the window)<br>Too low - raise by rotating the wheel counter-clockwise (toward the top of the window).<br><br>When the stop is on your left facing the window<br>Too high - lower by rotating the wheel counter-clockwise (toward the top of the window)<br>Too low - raise by rotating the wheel counter-clockwise (toward the bottom of the window).<br><br>See video titled "How to Adjust the Stop Position on the Easy Spring Plus Cordless Roman shade" |

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