ARIA® 1 3/8" R-TEC AUTOMATION® H-RAIL TRAVERSE ONE-WAY DRAW SYSTEM INSTALLATION INSTRUCTIONS

Please read all instructions before starting

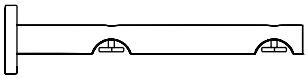
INTRODUCTION:

The AriA® 1 3/8" R-TEC Automation® H-Rail Traverse Systems are used to electronically control the drapery using a Slim Drapery Motor and Remote Control. By using a Remote Control or the R-TEC Automation® App via a smartphone or tablet, the operator can open and close the drapery smoothly and precisely.

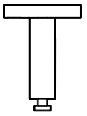
The maximum width for this system is 12' continuous (in select finishes) and 24' spliced. The maximum drapery weight is 77 lbs.

BRACKET ASSEMBLY:

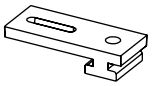
The AriA® 1 3/8" R-TEC Automation® H-Rail Traverse Systems can be mounted on the wall or ceiling.



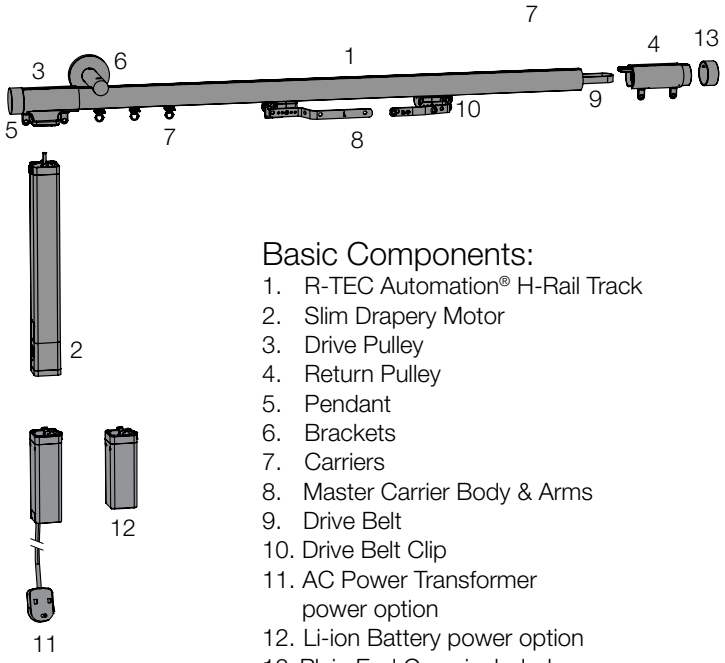
Wall options include single brackets with either a 3 1/2" or 6" projection, or a double bracket with 3" and 7 1/2" projections.



Ceiling options include a single or double bracket with 2 3/8" drop, or a low-profile ceiling bracket with a 5/32" drop.



PARTS LIST:



Basic Components:

1. R-TEC Automation® H-Rail Track
2. Slim Drapery Motor
3. Drive Pulley
4. Return Pulley
5. Pendant
6. Brackets
7. Carriers
8. Master Carrier Body & Arms
9. Drive Belt
10. Drive Belt Clip
11. AC Power Transformer power option
12. Li-ion Battery power option
13. Plain End Caps included; Antiquities Finials sold separately

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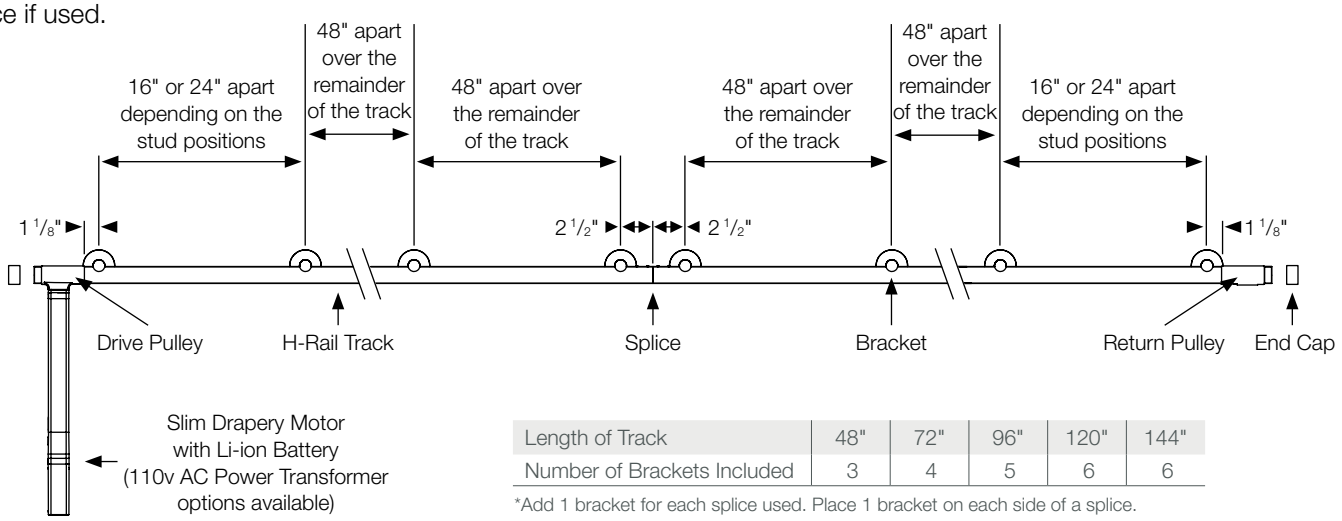
ONE-WAY BRACKET PLACEMENT:

It's recommended to use 1 bracket beside each pulley and an adjacent bracket no more than 24" away. On the remaining part of the H-Rail Track, bracket-to-bracket distances should be no more than 48". Also, 1 bracket should be placed on each side of a splice if used.



Length of Track	48"	72"	96"	120"	144"
Number of Brackets Included	3	4	5	6	6

*Add 1 bracket for each splice used. Place 1 bracket on each side of a splice.

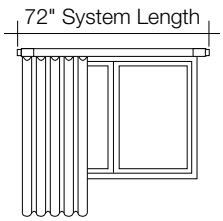
ONE-WAY DRAW TRACK ASSEMBLY:

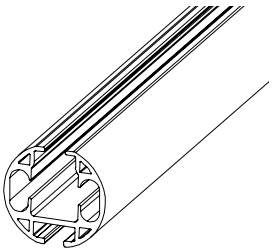
NOTE: System length does not include decorative additions such as finials. Additional measurement below required for these options.

Step 1. Calculate R-TEC Automation® H-Rail Track Length.

Track Length no finials = System Length - 7 ½"

Example: 72" System Length - 7 ½" = 64 ½" Track Length





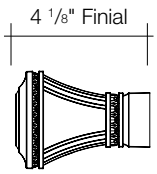
Calculate:

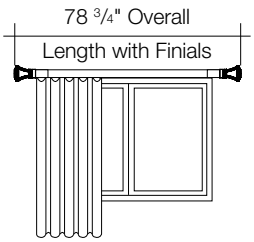
[ ] = _____ - 7 ½"

Track Length = System Length - 7 ½"

Overall Length with finials =
System Length - 1 ½" + (Finial Length x 2)

Example:
72" System Length - 1 ½" + (4 ⅛" x 2) = 78 ¾" Overall Length with Finials



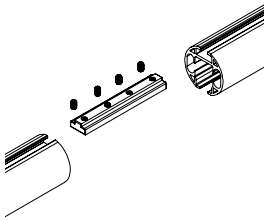


Calculate:

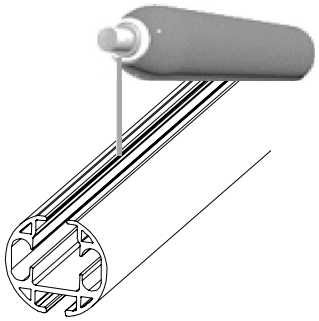
[ ] = _____ - 1 ½" + (_____ x 2)

Overall Length = System Length - 1 ½" + (Finial Length x 2) with Finials

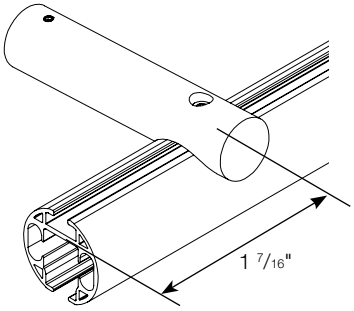
Step 2. Use a Track Splice if required for length. The R-TEC Automation® H-Rail Track is available in a continuous length up to 12' (select finishes), and can be spliced up to a maximum length of 24'.

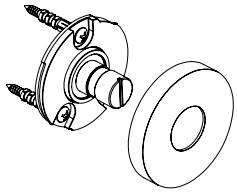


Step 3. Spray both sides of the H-Rail Track with silicone.



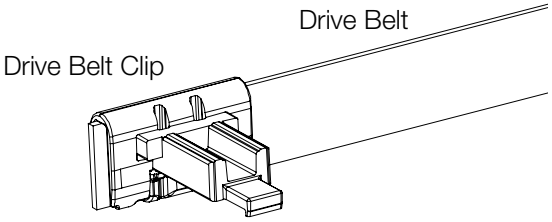
Step 4. Install all attachment hardware.





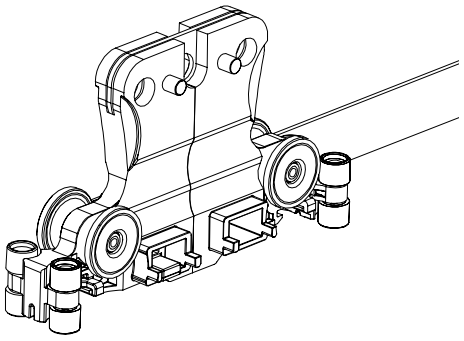
NOTE: The wall mount and cover are not installed at this time.

Step 5. Assemble the Drive Belt Clip to the Drive Belt and leave the cap off.



Cap

Step 6. Assemble the Master Carrier Body to the Drive Belt Clip.

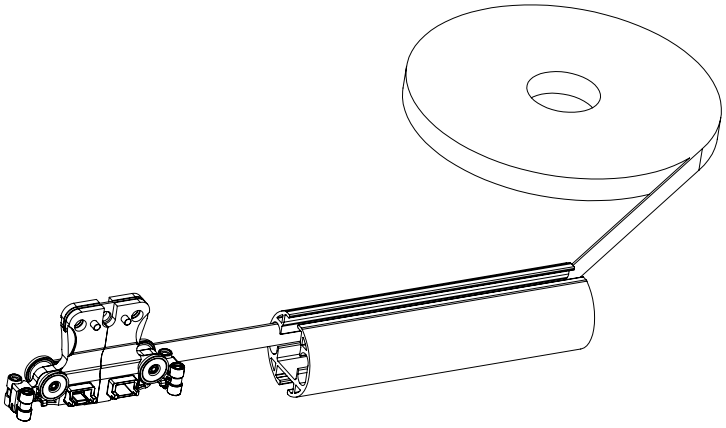


Step 7. Position the belt at an angle and pull Master Carrier body through H-Rail Track.

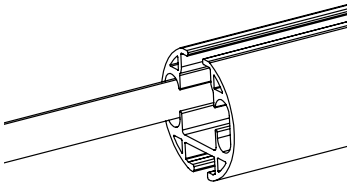
NOTE: Position the belt at an angle to provide tension on the belt, prevents the belt from slipping out of the track.

Longer track systems may require more belt tension. Positioning the belt off a table edge at an angle is typically enough tension for any installation.

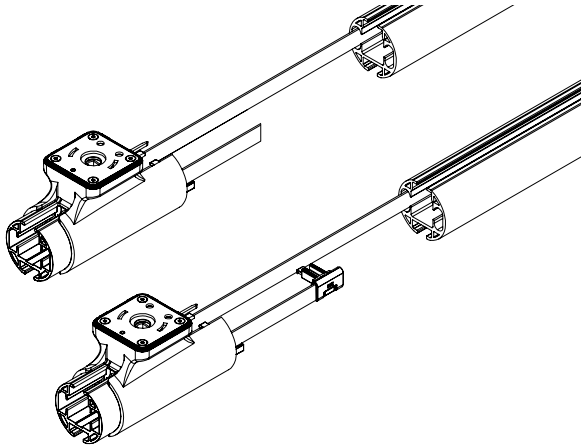
If multiple systems builds are required, Rowley Company suggests tooling to hold the belt in tension to speed up the assembly process.



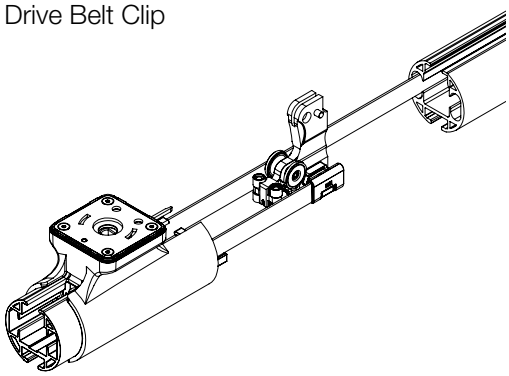
Step 8. Remove the Master Carrier Body and Drive Belt Clip.



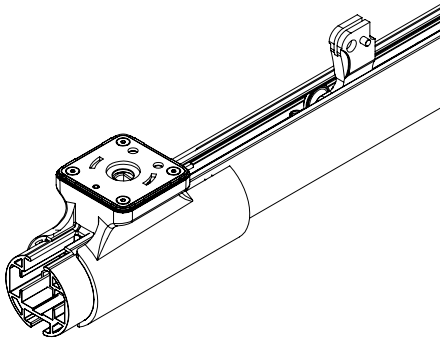
Step 9. Install the Drive Belt through the Drive Pulley, then install the Drive Belt to the Drive Belt Clip.



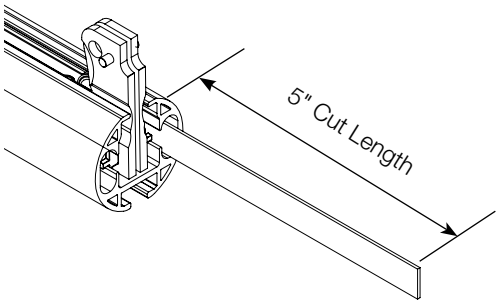
Step 10. Attach half of the Master Carrier Body to the Drive Belt & Drive Belt Clip



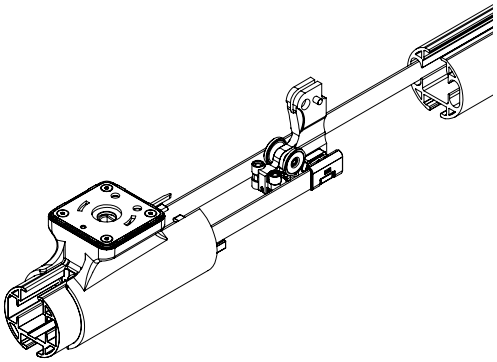
Step 11. Pull the Master Carrier Body through the R-TEC Track and assemble the Drive Pulley onto the H-Rail Track.



Step 12. Align the Master Carrier Body half to the end of the Track. Cut Drive Belt to length: 5" from end of the Track.



Step 13. Remove the Drive Pulley from the H-Rail Track.



Step 14. Calculate the amount of Carriers per length of Track.

PINCH PLEAT
# of Pinch Pleat Carriers = System Length / Spacing
Example: 72" / 2" = 36 Carriers

Calculate:

[ ] = _____ / _____

PP Carriers = System Length / Spacing

NOTE: Always round up to an even number

RIPPLEFOLD
# of Ripplefold Carriers = (System Length / Spacing) + 2

Fullness	Spacing
60%	2 5/8"
80%	2 3/8"
100%	2 1/8"
120%	1 7/8"

Example: 72" / 2 1/8" = 33.8 Carriers; round up to 34 Carriers
NOTE: Add 2 Carriers for hardware attachment = 36 Carriers

Calculate:

_____ = _____ / _____

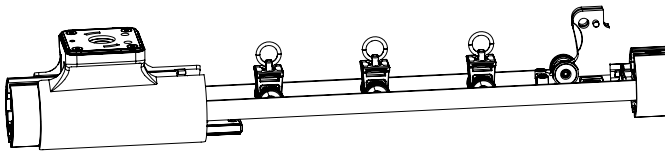
# of Ripplefold Carriers = System Length / Spacing

Round up to an even number: _____ Carriers

Add 2 Carriers for hardware attachment: [ ] Carriers

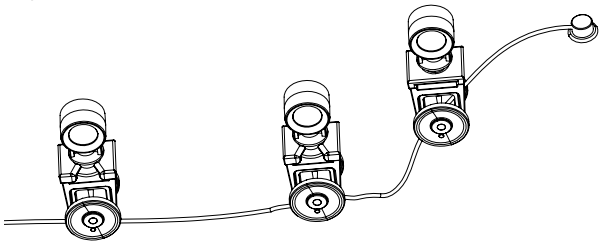
Step 15. Install the Master Carrier Body half and required number of Carriers into the H-Rail Track.

PINCH PLEAT:

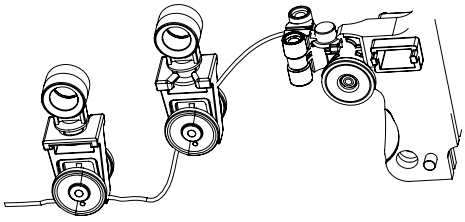


RIPPLEFOLD:

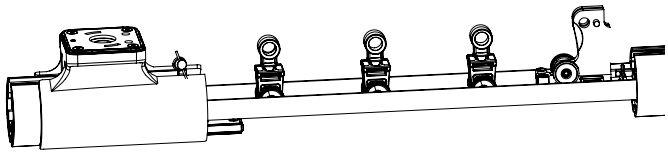
Remove 1 Ripplefold Carrier from the end that's closest to the Drive Pulley. Leave the cord as shown with the attachment tab exposed.



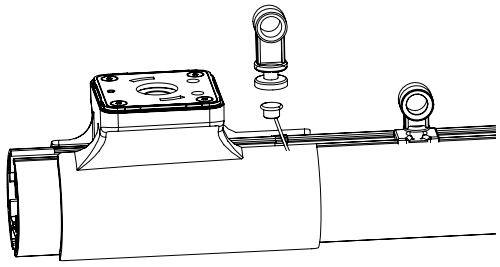
Install the attachment tab into the Master Carrier Body.



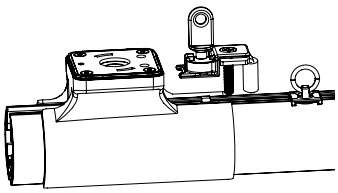
Install the Master Carrier Body half and required number of Carriers into the H-Rail Track.



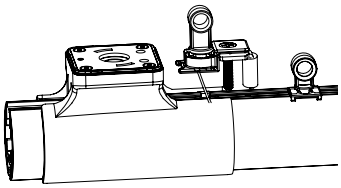
Install the Drive Pulley into the H-Rail Track and install the Pendant into the attachment tab.



Step 16. Install the Pendant into the End Stop.

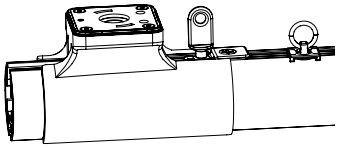


PINCH PLEAT

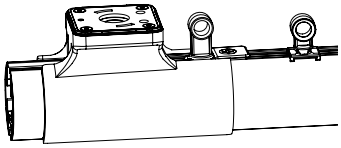


RIPPLEFOLD

Step 17. Install the End Stop.



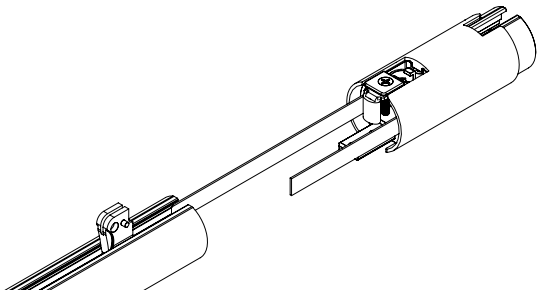
PINCH PLEAT



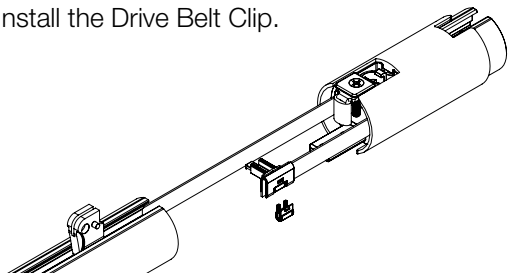
RIPPLEFOLD

NOTE: Carriers can be added or removed with the Drive Pulley installed by removing the End Stop.

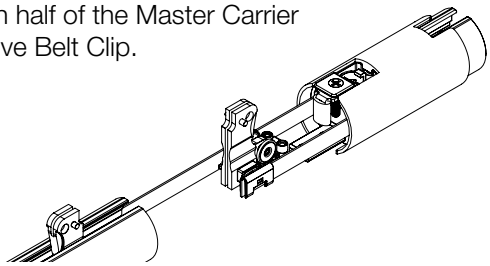
Step 18. Run Drive Belt through the Drive Pulley.



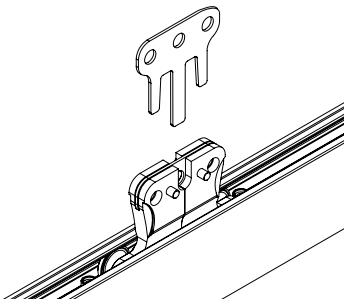
Step 19. Install the Drive Belt Clip.



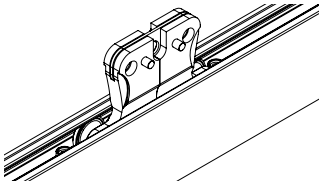
Step 20. Attach half of the Master Carrier Body to the Drive Belt Clip.



Step 21. Bring both Master Carrier Body halves together and insert the Master Carrier center metal clip.

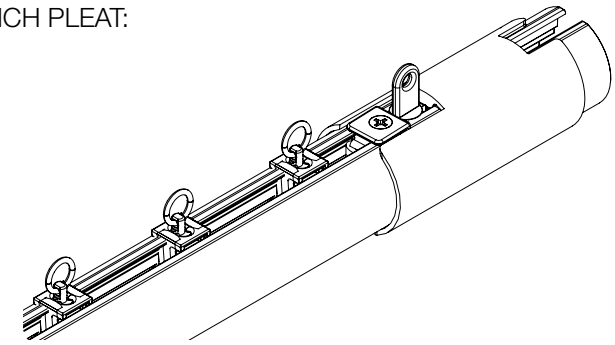


NOTE: The Master Carrier should move freely back and forth.

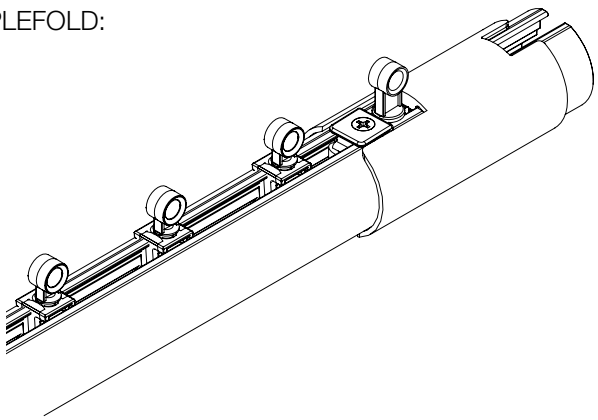


Step 22. Install the Carriers, Return Pulley, End Stop and Pendant into the Return Pulley.

PINCH PLEAT:

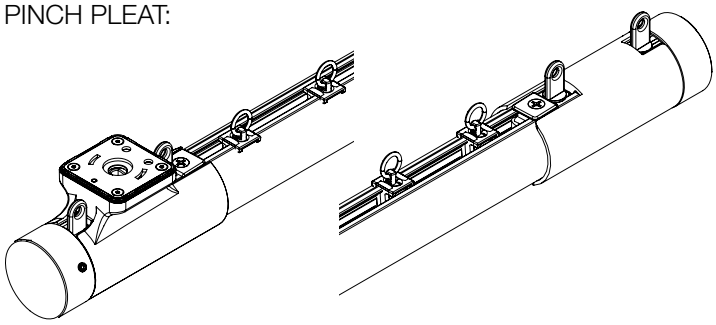


RIPPLEFOLD:

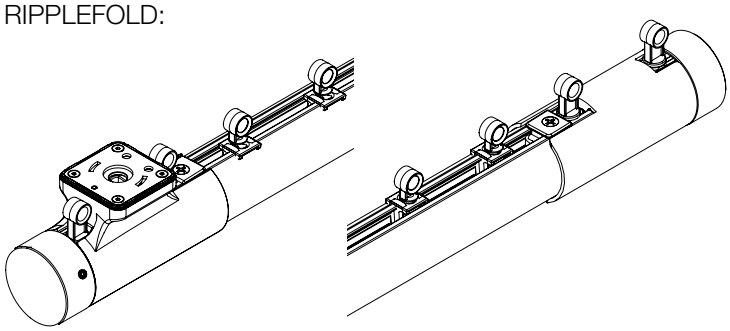


Step 23. Install the Pendants and End Caps or Finials onto the Drive and Return Pulleys.

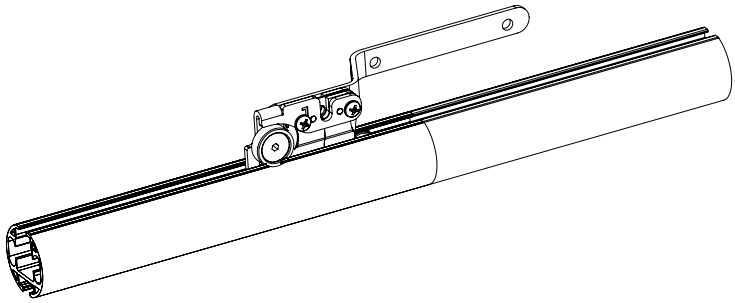
PINCH PLEAT:



RIPPLEFOLD:



Step 24. Install the Master Carrier Arm onto the Master Carrier Body.



How to get started using your AriA® 1 3/8" R-TEC Automation® H-Rail Traverse System:

- Please read all the instructions provided with your Slim Drapery Motor.
- Your motor will be shipped in “sleep mode” and must be woken up before using.
- You will need a remote control or a smartphone to set up and control your Slim Drapery Motor.
- Only use power options for your motor that are available through Rowley Company.