

Skyline Clutch Roman / Soft Shade System Fabrication & Installation Instructions

Please read all instructions before starting

INTRODUCTION

The **Soft Shade Skyline Clutch System** manually raises or lowers soft shades by using Roller Tube Clips to attach the lift cords to the Aluminum Roller Tube. Compared to our Traversing Clutch Soft Shade System, this system is easier to fabricate. This system also raises and lowers the shade much faster, however the pulling force required to raise the shade is much higher. In addition this system has a shade length limitation of 10 feet or less. Longer lengths may not raise evenly. Fig. 1 shows the back view of an assembled soft shade skyline clutch system with 4 Roller Tube Clips on the roller when the shade is all the way down.

Encased Lift Cord Shroud Tube Arrangement (see **Figure 1**): The shade can be made with Encased Lift Cord on the edge or well inside the edge of the shade. It is important to consider Encased Lift Cord location and spacing before you attach Encased Lift Cord to your shade. The top most row of the tacks to the shade should be no more than 8" below roller tube. The cord should exit the encased lift cord tube just above the last track.

The total allowable shade weight will depend on the tube diameter and the clutch selected (see the chart to the right).

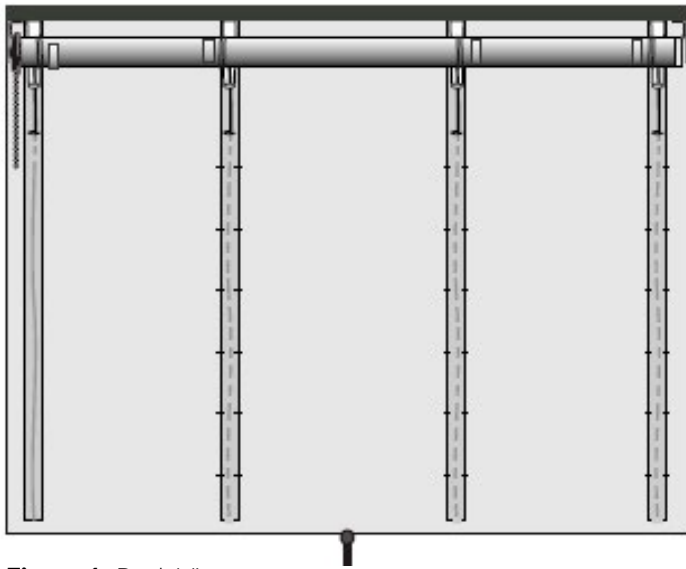


Figure 1. Back View

ALLOWABLE SHADE WEIGHTS

| Clutch Item # | Tube Diameter | Tube Deduction | Dustboard Allowable Width | Roman Shade Lift Load |
|---------------|---------------|---------------------------|---------------------------|-----------------------|
| RSC10118 | 1 1/2" | Overall Width - (1-1/4") | 3/4" x 2 1/2" | N/A |
| RSC10114 | 1 1/2" | Overall Width - (1-1/4") | 3/4" x 2 1/2" | 6.5 lbs. |
| RSC10112 | 1 1/2" | Overall Width - (1-1/4") | 3/4" x 2 1/2" | 5 lbs. |
| RSC15118 | 1 1/2" | Overall Width - (1-1/4") | 3/4" x 2 1/2" | N/A |
| RSC15114 | 1 1/2" | Overall Width - (1-1/4") | 3/4" x 2 1/2" | 10 lbs. |
| RSC15112 | 1 1/2" | Overall Width - (1-1/4") | 3/4" x 2 1/2" | 8 lbs. |
| RSC20112 | 1 1/2" | Overall Width - (1-5/16") | 3/4" x 3 1/2" | 10 lbs. |
| RSC20200 | 2" | Overall Width - (1-5/16") | 3/4" x 3 1/2" | 7.5 lbs. |
| RSC30112 | 1 1/2" | Overall Width - (1-3/8") | 3/4" x 3 1/2" | 17 lbs. |
| RSC30200 | 2" | Overall Width - (1-3/8") | 3/4" x 3 1/2" | 12.5 lbs. |
| RSG200HD112 | 1 1/2" | Overall Width - (1-7/16") | 3/4" x 3 1/2" | 18 lbs. |
| RSG200HD200 | 2" | Overall Width - (1-7/16") | 3/4" x 3 1/2" | 12 lbs. |
| RSG400HD112 | 1 1/2" | Overall Width - (1-3/8") | 3/4" x 3 1/2" | 22 lbs. |
| RSG400HD200 | 2" | Overall Width - (1-3/8") | 3/4" x 3 1/2" | 17 lbs. |

PARTS LIST (see Figure 2)

1. Clutch Unit
2. End Plug
3. Brackets
4. Aluminum Roller Tube
5. Bead Chain Loop
6. Tube Adapter (as required)
7. Roller Tube Clips
8. Dustboard (not shown)

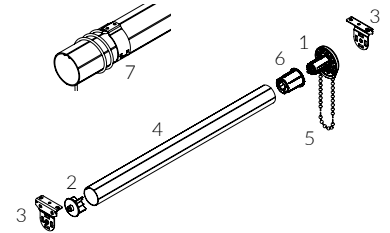
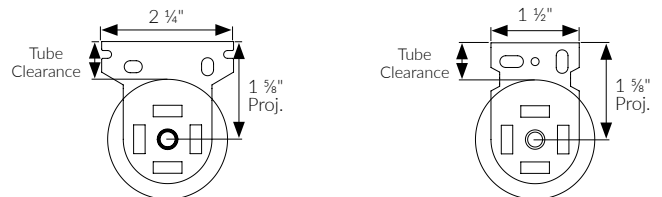


Figure 2. Basic Components

BRACKETS

Figure 3. Brackets



| Item # | Proj. | 2" Tube Clearance | Width |
|--------|--------|-------------------|--------|
| RSB10 | 1 5/8" | 5/8" | 2 1/4" |

Zinc.

| Item # | Proj. | 2" Tube Clearance | Width |
|--------|--------|-------------------|--------|
| RSNB10 | 1 5/8" | 5/8" | 1 1/2" |

Zinc.

FABRICATION

Step 1. See Dustboard Allowable Width in the chart on **page 1**. Cut the dustboard to the shade width. You may either paint the dustboard, wrap it with fabric, or leave it bare. Staples or Hook/Loop may be used to secure shade to wood. Lay dustboard on the worktable with bottom facing up.

Determine the required overall width of the Roman Shade. Dimension “x” shown below in **Figure 4** is the length of the dustboard which also equals the distance from outside of bracket to outside of bracket, including clutch.

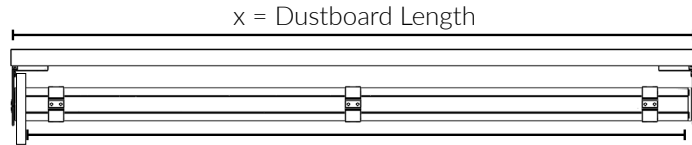


Figure 4. Tube Deduction

Step 2. Cut your Aluminum Roller Tube based on the Tube Deduction column in the chart on **page 1**.

Step 3. Insert Bead Chain into the Clutch as shown in **Figure 5**.

NOTE: Safety standards require a Universal Tension Device for each Bead Chain. To reduce the chance of a child entangling in the drive bead chain loop, we suggest using the shortest one possible. If you're using Bead Chain by the Roll and a Chain Connector to form the loop, multiply the finished shade cloth length based on the column in the below chart. We recommend use continuous chain loop whenever possible.

Step 3C. Pull here on the Bead Chain to rotate the pulley clockwise.

Step 3B. Put two consecutive beads in the pulley.

Step 3A. Insert Bead Chain here.

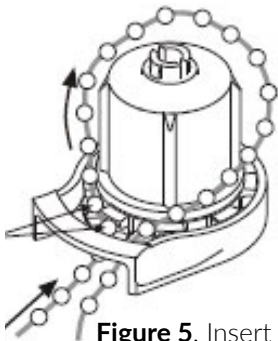


Figure 5. Insert Bead Chain

| Clutch Item # | Clutch Max. Width | Clutch Size | Tube Dia. | Bead Chain Length when using a Chain Connector |
|---------------|-------------------|-------------|-----------|--|
| RSC10118 | 2" | SL10 | 1 1/8" | Finished Shade Length x 1.5 |
| RSC10114 | 2" | SL10 | 1 1/8" | Finished Shade Length x 1.3 |
| RSC10112 | 2" | SL10 | 1 1/8" | Finished Shade Length x 1.1 |
| RSC15118 | 2-5/16" | SL15 | 1 1/8" | Finished Shade Length x 1.7 |
| RSC15114 | 2-5/16" | SL15 | 1 1/8" | Finished Shade Length x 1.5 |
| RSC15112 | 2-5/16" | SL15 | 1 1/8" | Finished Shade Length x 1.3 |
| RSC20112 | 2-11/16" | SL20 | 1 1/2" | Finished Shade Length x 1.6 |
| RSC20200 | 2-11/16" | SL20 | 2" | Finished Shade Length x 1.2 |
| RSC30112 * | 3-5/8" | SL30 | 1 1/2" | Finished Shade Length x 2.2 |
| RSC30200 | 3-5/8" | SL30 | 2" | Finished Shade Length x 1.6 |
| RSG200HD112 * | 2-11/16" | SG200 | 1 1/2" | Finished Shade Length x 2.6 |
| RSG200HD200 * | 2-11/16" | SG200 | 2" | Finished Shade Length x 2 |
| RSG400HD112 * | 3-5/8" | SG400 | 1 1/2" | Finished Shade Length x 3.8 |
| RSG400HD200 * | 3-5/8" | SG400 | 2" | Finished Shade Length x 2.8 |

*For RSC30112, RSG200HD112, RSG200HD200, RSG400HD112 and RSG400HD200, it may not be practical to use a chain connector to form chain loop. Use continuous chain loop instead, or make continuous metal chain loop using a bead chain tool.

Step 4. Mount the brackets flush with each end of the dustboard. The left and right Skyline brackets are identical so the clutch can be mounted on the left or the right side. See **Figure 6**.

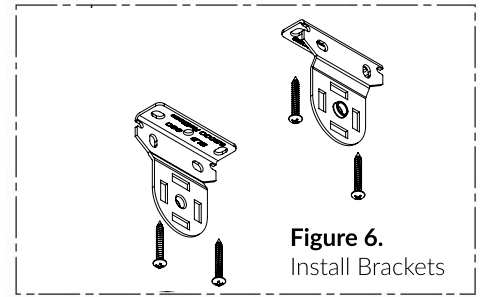


Figure 6. Install Brackets

Step 5. Insert the clutch and the end plug (and tube adapter where required) into the roller tube as shown in **Figure 7**. Make sure the tabs on the inside of the roller tube fit into the channel on the clutch.

Step 6. To install, insert the pin on the end plug into the center hole of the wall bracket shown in **Figure 8A**. While putting pressure on the spring pin install the clutch onto the other bracket. The spring pressure will allow the tabs on the clutch to seat into the bracket as shown in **Figure 8B**. The bottom of the clutch should always point straight down.

Figure 7. Install Clutch and End Plug

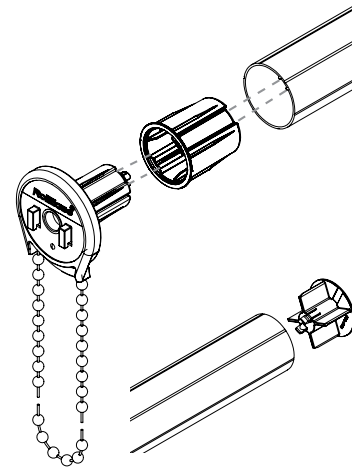


Figure 8A. End Pin Bracket

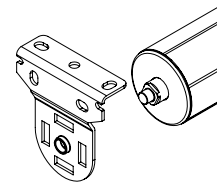
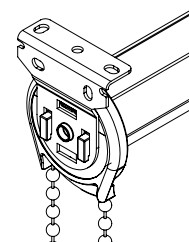


Figure 8B. Clutch Side Bracket



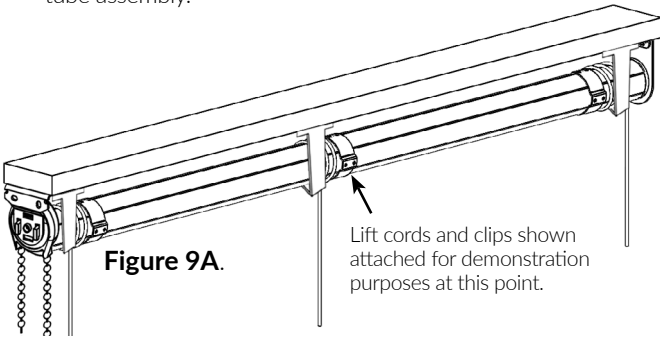
Step 7. 0.9 mm Encased Lift Cord Shroud Tube is recommended on this system. Cut all rows of Encased Lift Cord Tube 10" longer than the shade length. Just above the last tack on the shade, pick the lift cord out of the casing/shroud.

Step 8. Attach the Roman Shade to the Dustboard with staples.

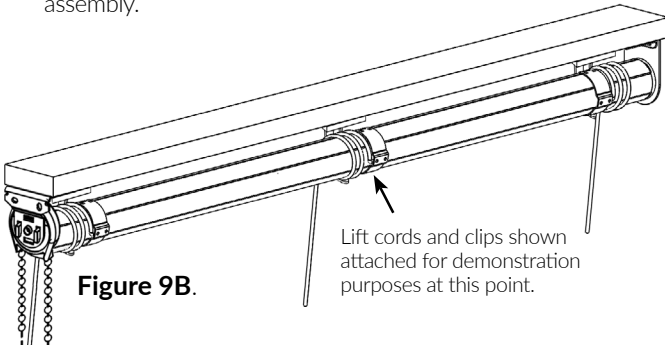
Step 9. For encased lift cord determine the spacing of the shade stops and lift cord clips. Attach the shade stops onto the dust board where it aligns with the lift cord coming from the shade. Thread all lift cords through the shade stops.

Step 10. See **Figure 9A** for front or waterfall mount and **Figure 9B** for reverse mount.

9A. Front or Waterfall Mount: Lift Cords off the front of the roller tube assembly.



9B. Reverse Mount: Lift Cords off the back of the roller tube assembly.



Tie the cord into the clip. Do this for all rows of Encased Lift Cord.

Step 11. Put the Roller Tube Clips on the Aluminum Roller Tube. When looking down the roller, be sure all clips are aligned and every roller clip is offset alternatively from its corresponding Lift Cord by $\frac{3}{4}$ " as shown in **Figure 1**. Once the clip is attached to the Tube, it will not slip or pop off. You may insert a screwdriver underneath the clip and lift it slightly for small positioning adjustments.

Step 12. Use workroom dustboard clamps to hold the entire assembly up or use a workroom stand. Pull the control Bead Chain so that the clips are at the bottom of the Roller Tube as shown in **Figure 1**. Tie the other end of each Lift Cord to its corresponding bottom ring. If necessary, adjust the cord tension by re-tying the cord to the bottom ring, or use an orb for easy leveling/adjusting. Run the shade up and down several times, and check for either too much tension or slack on the Lift Cords when the shade is all the way down. Finally, take off the orb if used, and tie off the cord through the bottom ring. Trim off the excess cord.

Step 13. Final installation on the window can either be inside or outside mount with Angle Irons.