Dual Roller Clutch-Operated FlexShade®
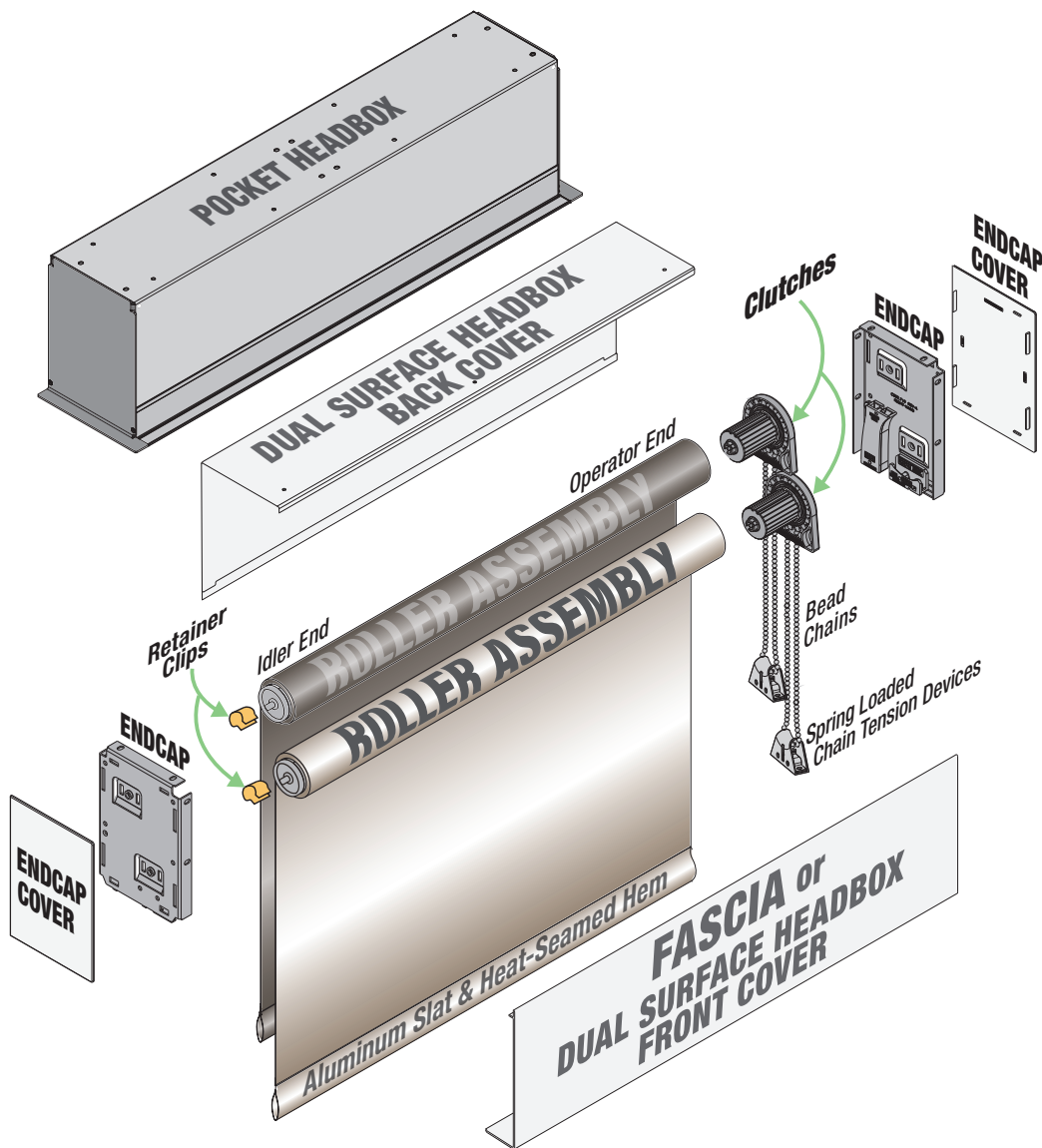
Manual, clutch-operated window shade with smooth, quiet operation, and independent control

Overview - **Components**
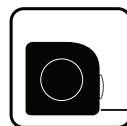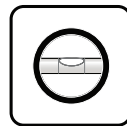
DFCL

TOOLS REQUIRED

PENCIL

POWER DRILL

TAPE MEASURE

LEVEL

HARDWARE (by others)

⚠ CAUTION ⚠

Read and understand all warnings (Page 2 of this document) *before beginning installation.*

Contents

If you have any difficulties installing or servicing your Dual Roller Clutch-Operated FlexShade®, call your dealer or Draper, Inc.

PLEASE READ - **Safety & Installation Information**

⚠ *Caution:*

1. Inspect all boxes to make sure you have received the proper shades and parts. Controls may be shipped separately, or in same carton as shades.

2. Open cartons lengthwise.

3. Before mounting shades, verify measurements on label provided with shade, and ensure unit is installed at correct width.

4. All endcaps, fascia, pocket headbox, and other hardware must be installed level. Shades must be level and square.

6. **Read the following installation guidelines thoroughly and follow them carefully. Failure to do so may cause product to fall or otherwise fail, and invalidates warranty.**

7. **Installer is responsible for selecting mounting hardware appropriate for site conditions.**

Important Safety Information ⚠ **WARNING** ⚠ *Important Safety Information*

Improper installation and use of the Dual Roller Clutch-Operated FlexShade® can result in serious injury or death. Primarily, injuries can occur if the unit falls due to imprecise installation, mishandling of the shade during installation, or installation on an insufficient wall or ceiling structure. Please use extreme care.

1. Please read the following installation guidelines thoroughly and follow them carefully. Failure to do so may cause product to fall or otherwise fail, and could result in serious injury.

2. Installation and calibration of the shade should only be performed by an authorized, qualified, and experienced professional.

3. Do not affix the unit to wall or ceilings that have inadequate strength to permanently hold the unit during use. It is the owner's and installer's responsibility to confirm the wall or ceiling to which the unit attaches is sufficient to permanently hold the weight and stress loads of the unit at all times. Draper, Inc., is not responsible for improper installation, application, testing, or workmanship related to the product at place of installation.

4. It is the installer's responsibility to make sure appropriate fasteners are used for mounting.

5. All brackets, fascia, headboxes, pockets, wall clips, and other hardware must be installed level. Shade unit must be level and square.

6. Never leave the area while operating the shade during installation, maintenance, or normal operation, unless it is secure and safe.

7. Before testing or operation, carefully inspect the entire area and path of the shade and areas underneath the shade to be sure no persons or objects are in the area.

8. During testing or operation, carefully watch the surrounding area for any potential safety concerns including nearby persons or objects.

9. After installation, the entire system should be carefully tested to ensure safe and normal operation. Extreme care should be taken during testing to remain clear of moving parts to avoid possible injury.

10. Operation of shade should be performed only by authorized and qualified personnel, who have been trained in the safe and effective operation of the shade and understand its safety features.

11. The safety features of the shade should never be disabled, bypassed, or overridden. The system should not be operated until all safety features are properly and completely installed, calibrated, and tested.

12. Shade may need to comply with local, state, or district rules and regulations, in particular when installed in schools. All applicable rules and regulations should be reviewed before installation and use.

13. Failure to precisely follow installation guidelines invalidates all warranties.

14. Custom products/installations may not be reflected in this manual. Call Draper, Inc., if you have questions regarding your installation.

Before Beginning Installation

1. Look for any job site conditions that could interfere with installation or operation of the system.

2. Read carefully and be sure to understand all installation instructions and all related operations manuals. These instructions are intended to serve as a guide for the installer and owner. They should be followed closely and combined with the expertise of experienced qualified installers. Draper, Inc., is not responsible for improper installation, application, testing, or workmanship related to the product at place of installation. Please retain all instructions for future use.

3. Open cartons lengthwise.

4. Locate and lay out all pieces.

5. Inspect all boxes to make sure you have received the proper shade and parts. Controls may be shipped separately, or in same carton as shade.

6. If you have any difficulties with installing, servicing, or operating your shade, call your dealer or Draper, Inc., 765-987-7999.

Child Safety Information

ANSI/WCMA A100.1-2018 standard *(developed by the Window Coverings Manufacturer's Association and the Consumer Product Safety Commission)* was established on December 15, 2018, to eliminate strangulation hazards for small children from hanging cords and chain loops.

When a Draper® dealer specifies that custom shades comply with ANSI/WCMA A100.1-2018, Draper provides a pre-installed Spring-Loaded Chain Tension Device *(shown at right)* for clutch-operated units. A warning label is attached to the kit and approved mechanical fasteners are included. When properly installed, the tension device prevents the creation of a hazardous loop by maintaining tension on the bead chain. If not installed properly, the shade is partially inoperable. A warning label *(shown below)* is also added to the shade roller.

For more information, please see the ANSI/WCMA A100.1-2018 compliance page: **www.draperinc.com/windowshades/wcmacompliance.aspx**

⚠**WARNING**
⚠**ADVERTENCIA**
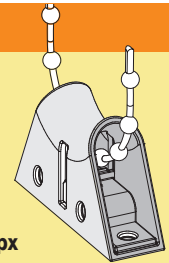
Window Blind Cord can STRANGLE your child. Keep cords out of children's reach. Shorten cords to prevent reach. Move crib and furniture away – Children can climb furniture to reach cords.

La cuerda ciega de la ventana puede ESTRANGULAR a su niño. Mantenga las cuerdas fuera del alcance de los niños. Acorte los cables para evitar el alcance. Mueva la cuna y los muebles lejos – Los niños pueden subir los muebles para alcanzar las cuerdas.

PLEASE READ - **Field Adjustments**

Each Draper Solar Control Shade is tested to ensure proper operation. Even with this testing, some field adjustments may be needed for telescoping.

If the shade is telescoping, place a piece of high quality gaffer tape about 1" *(25mm)* wide on the exposed roller *(where the fabric will cover it)* on the side that the fabric will be drawn toward. For example: if the fabric is tracking to the left, place the tape on the right side.

PLEASE READ - **Cleaning and Maintenance**

Window covering products manufactured by Draper, when properly installed, should require no operational maintenance or lubrication.

Most of Draper's standard fabrics may be cleaned at the window by vacuuming with a soft brush attachment. They also may be cleaned by using a sponge or soft cloth and mild solution of warm soapy water. A mild dishwashing liquid is recommended. A clean dry cloth is recommended for the metal finish.

Please Note: Exceptions are GreenScreen Evolve®, GreenScreen Revive®, Flocké®, and Phifer® SW7000 fabrics, which must be cleaned with a dry art sponge. *(GreenScreen Revive® and GreenScreen Evolve® are registered trademarks of Mermet® USA. SheerWeave® is a registered trademark of Phifer® Incorporated.)*

Section 1 - **Mounting Endcaps** *(Brackets)*

⚠ **Caution:** Before mounting shades, verify measurements on label provided with shade, and ensure unit is installed at correct width.

Please Note: Installer is responsible for selecting mounting hardware appropriate for site conditions.
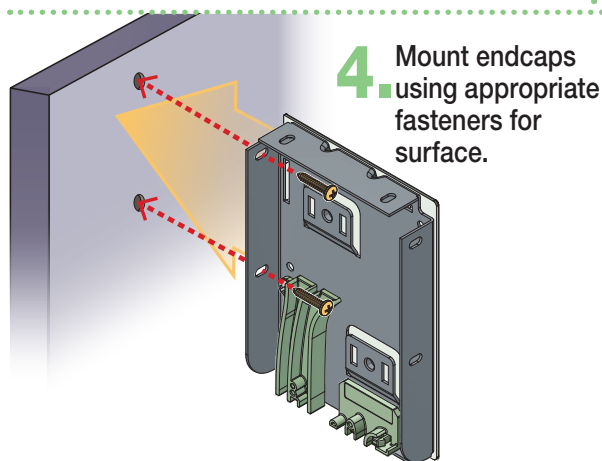
1. Snap endcap covers onto endcaps. Proper orientation of Left-Hand, Right-Hand, Front and Back, is noted on endcap covers.
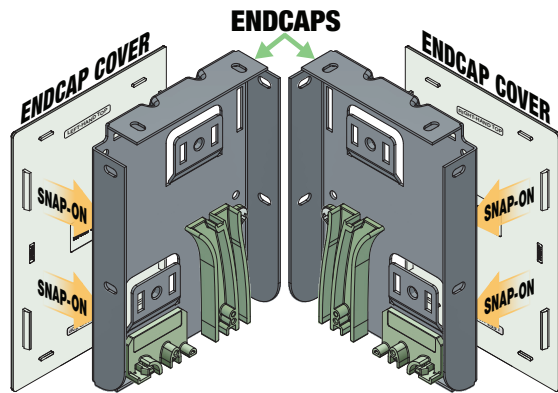
**2.** Mark wall, jamb, or ceiling for placement of mounting endcaps.
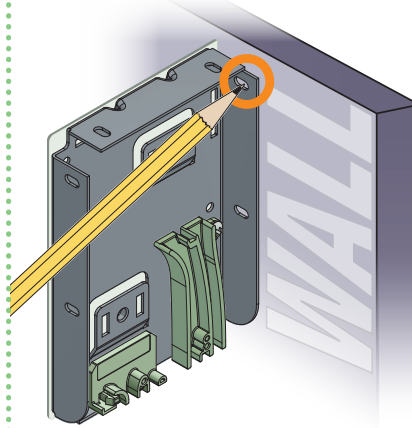
3. Drill small starter hole *(if necessary)* in mounting surface.

**4.** Mount endcaps using appropriate fasteners for surface.

Please Note: Endcaps MUST BE fastened securely to mounting surface and cannot move from side to side.

5. Place *REAR* shade spring-loaded pin in idler endcap. Depress spring-loaded pin by pressing shade roller toward endcap.
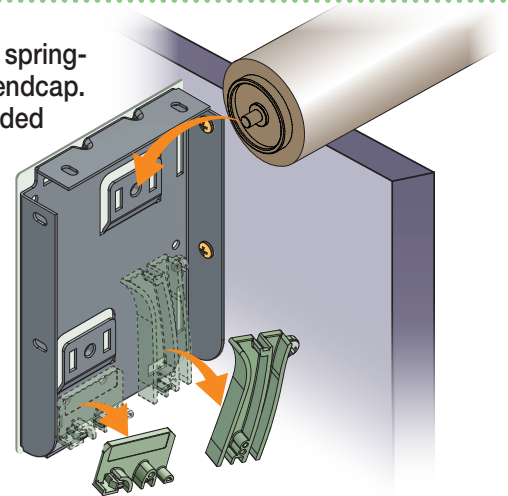
6. Remove bottom chain guide cover & discard.

7. Slip operator end of rear shade into slots on endcap.
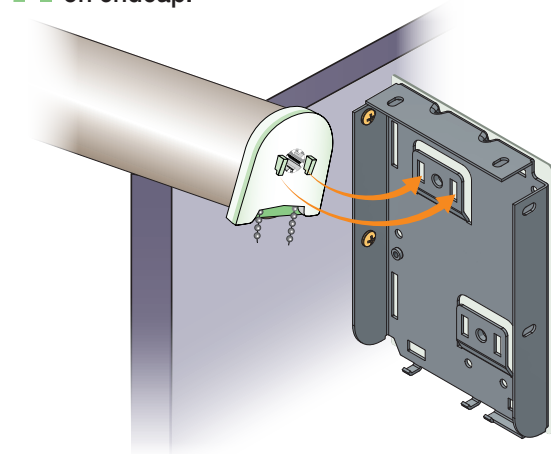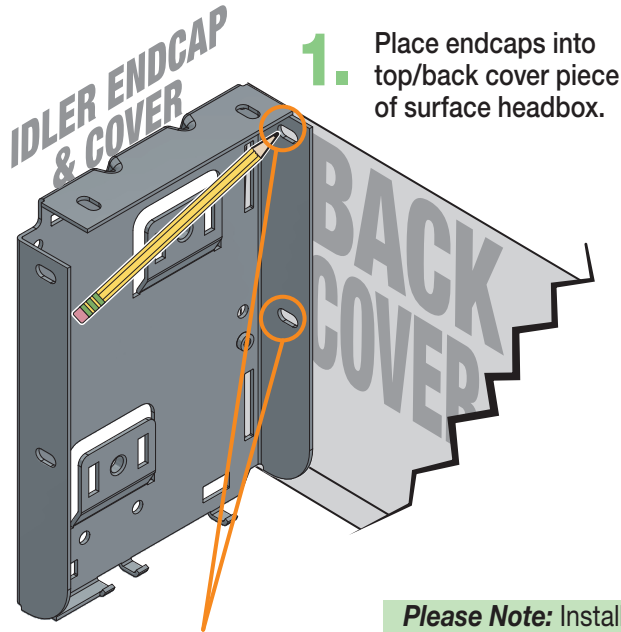
8. Use 1/8"*(3mm)* bit to drill pilot hole through one of the two *(2)* indents near bottom of Clutch, and secure with provided screw.

⚠ **ATTENTION:** Chain Guide is to be used with 10 lb. clutches **ONLY.** Dispose of Chain Guide if 20 lb. clutch is used.

9. Repeat for front shade.

Dual Roller Clutch-Operated FlexShade®
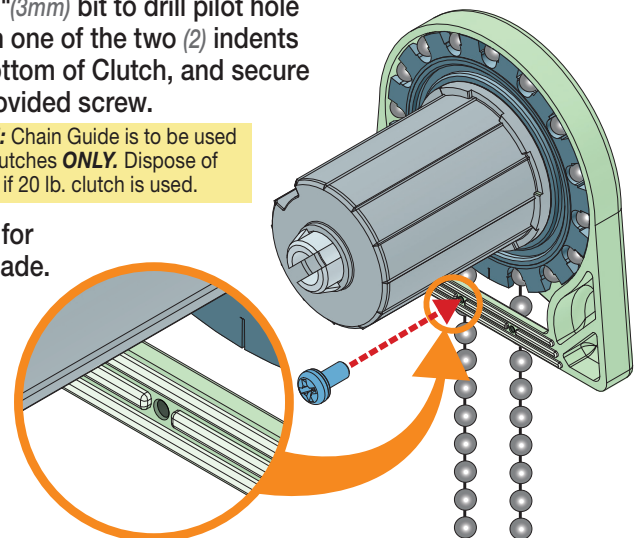
Section 2 - **Dual Roller Surface Headbox Installation**

IDLER ENDCAP & COVER

BACK COVER

**1.** Place endcaps into top/back cover piece of surface headbox.

2. Using pre-drilled holes in endcaps, mark headbox for drilling.

Please Note: Installer must provide adequate clearance for removal of Roller Assembly during installation and maintenance.

TOP COVER
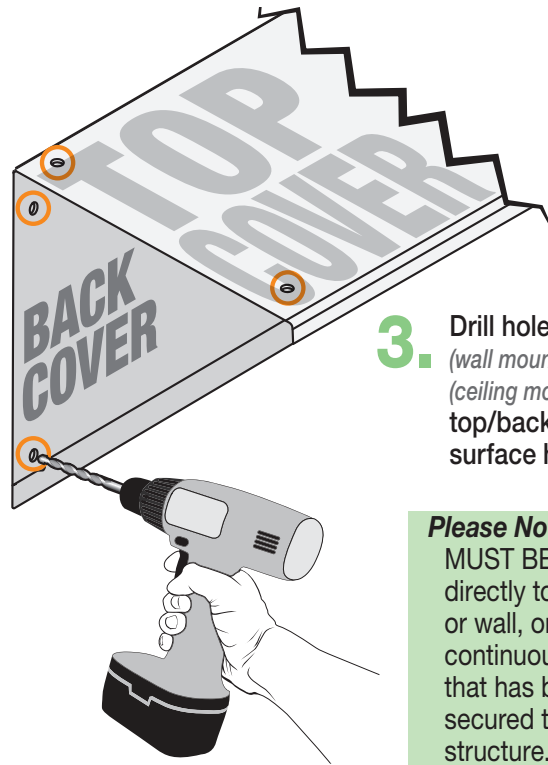
BACK COVER

3. Drill holes in back *(wall mount)* **or** top *(ceiling mount)* **of** top/back cover of surface headbox.

Please Note: Headbox MUST BE mounted directly to ceiling or wall, or to a continuous blocking that has been secured to building structure.

TOP COVER

BACK COVER

IDLER ENDCAP & COVER

OPERATOR ENDCAP & COVER
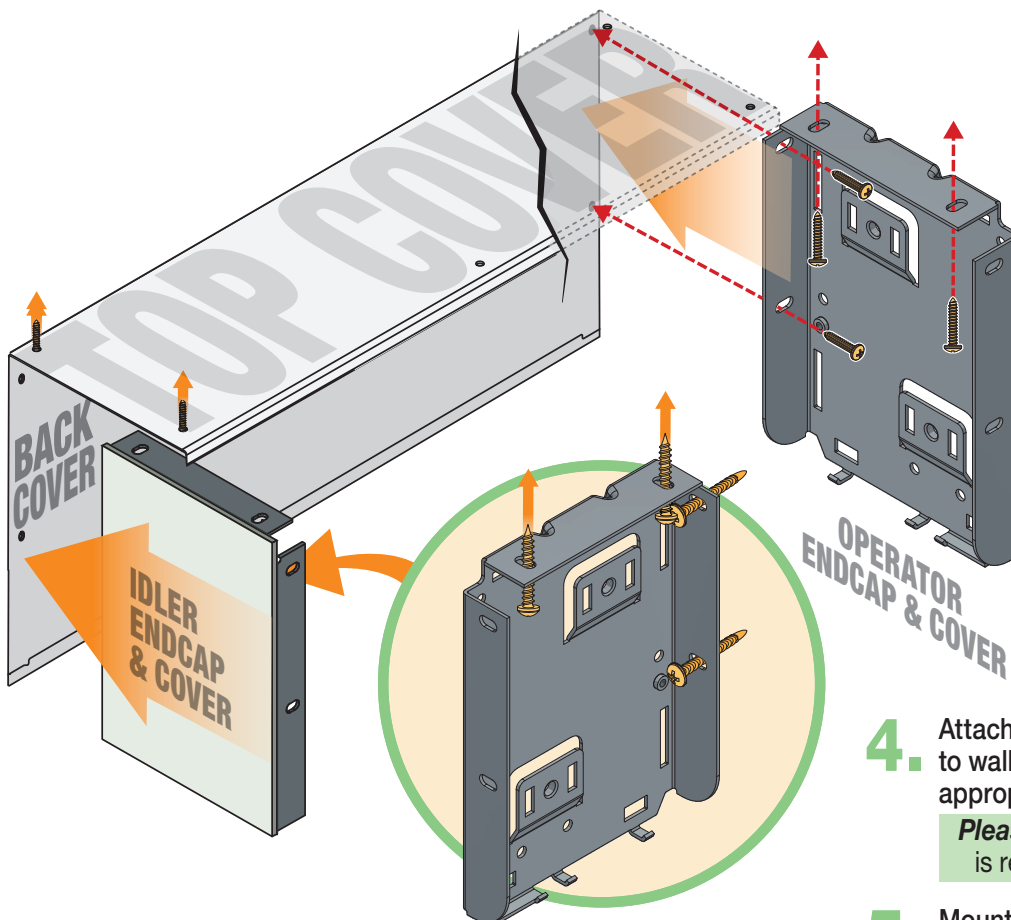
4. Attach endcaps and top/back cover piece to wall or ceiling, using mounting hardware appropriate for site conditions.
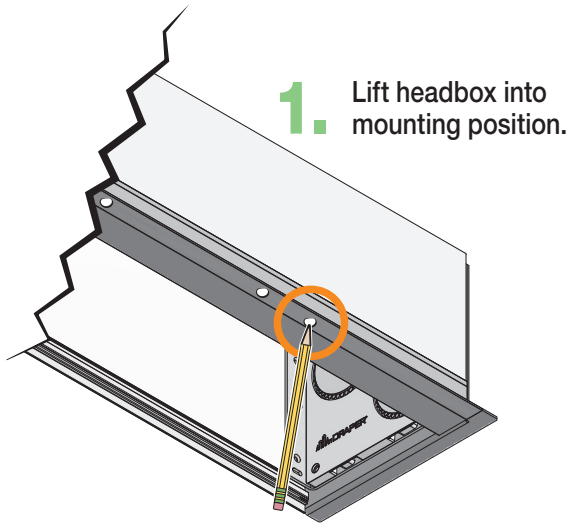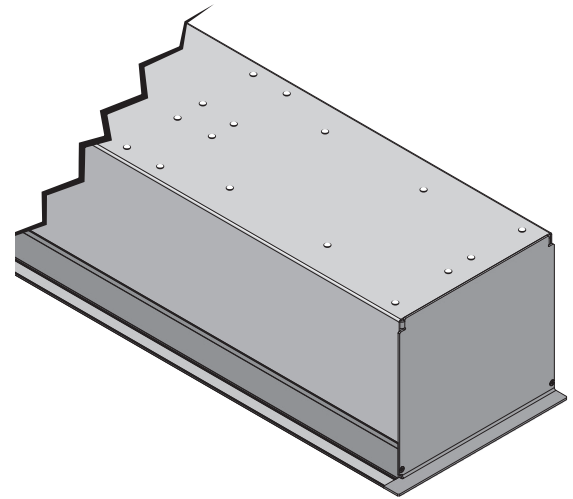
Please Note: A minimum of two *(2)* screws is required for each endcap.

5. Mount endcaps using appropriate fasteners for surface *(Section 1 - Mounting Endcaps)*

Section 3 - **Pocket Headbox Installation**

> **PLEASE NOTE:** Installer must provide adequate clearance for removal of Roller Assembly during installation and maintenance.
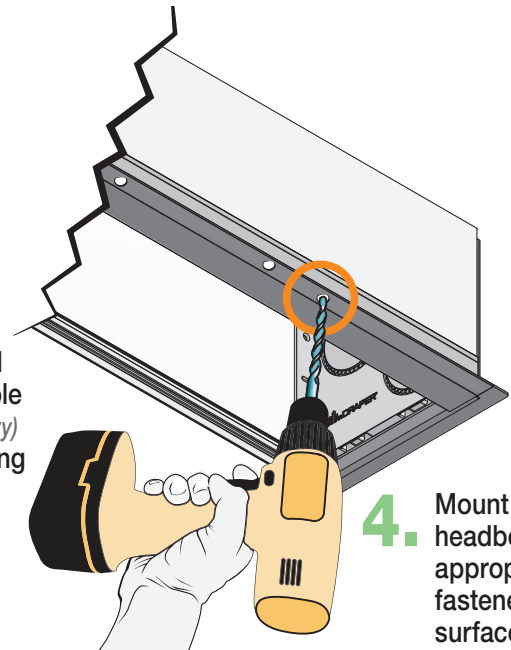
> **PLEASE NOTE:** Headbox must be mounted directly to ceiling, or to a continuous blocking that is secured to building structure.
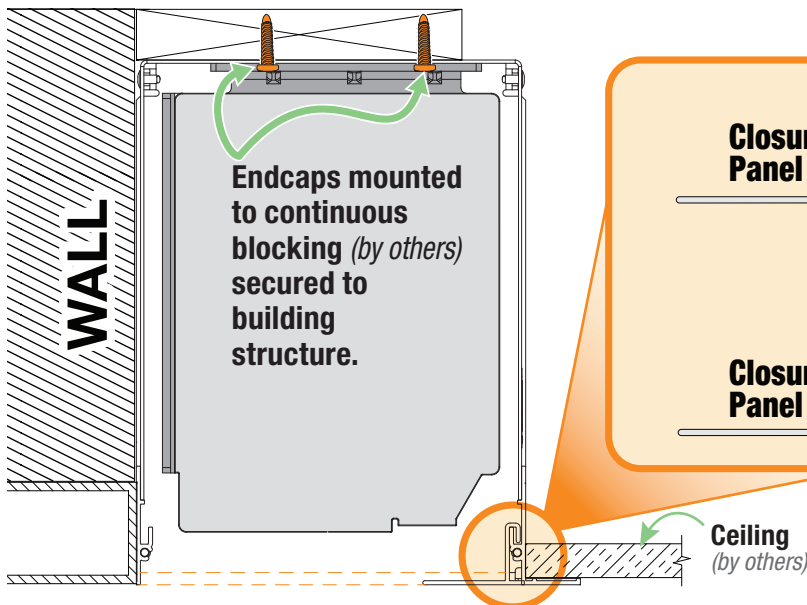
1. Lift headbox into mounting position.

2. Mark location of optional pre-drilled pocket mounting holes and endcap mounting holes on top side of headbox on mounting surface.

3. Drill small starter hole *(if necessary)* in mounting surface.

4. Mount pocket headbox using appropriate fasteners for surface.

WALL

Endcaps mounted to continuous blocking *(by others)* **secured to building structure.**

Closure Panel

Headbox

Closure Panel

Headbox

5. Mount endcaps using appropriate fasteners for surface *(Section 1 - Mounting Endcaps)*

6. Mount pocket closure. *(Fig. 3-D)*.

Ceiling *(by others)*

Section 4 - **Spring Assist Installation** (Optional)

⚠ **Caution:** Spring-assist will not operate correctly if installer attempts to change operator location or roll direction. Do not allow shade roller to become exposed by running shade fabric too far down. Use stop balls provided in hardware packet by Draper® to set up and down travel limits. Stop balls by others may be too small, and become lodged in clutch mechanism.

Please Note: If shade fabric is uneven, see "Field Adjustments" on page 2.

**1.** Remove the safety screw and slide from the top idler endcap. Retain for later.
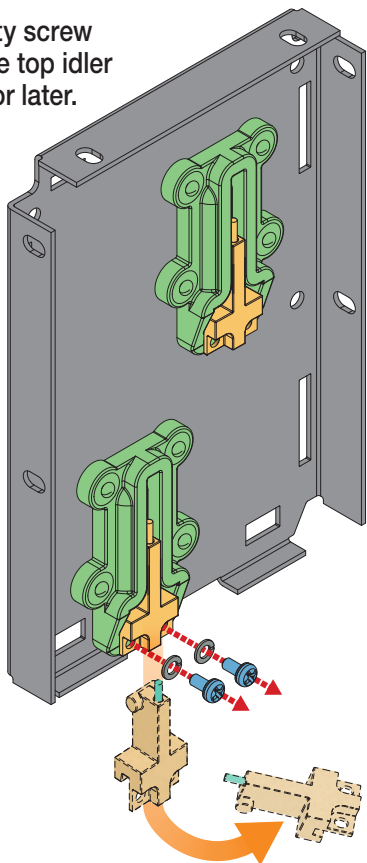
2. Swing the idler end into place, then slide the idler end spear into the receiver. It may be necessary to compress the spring-loaded spear.
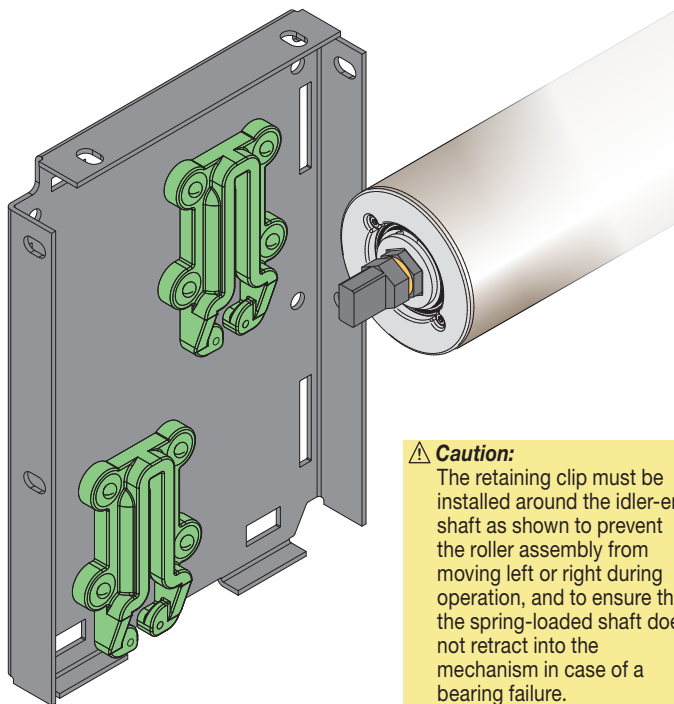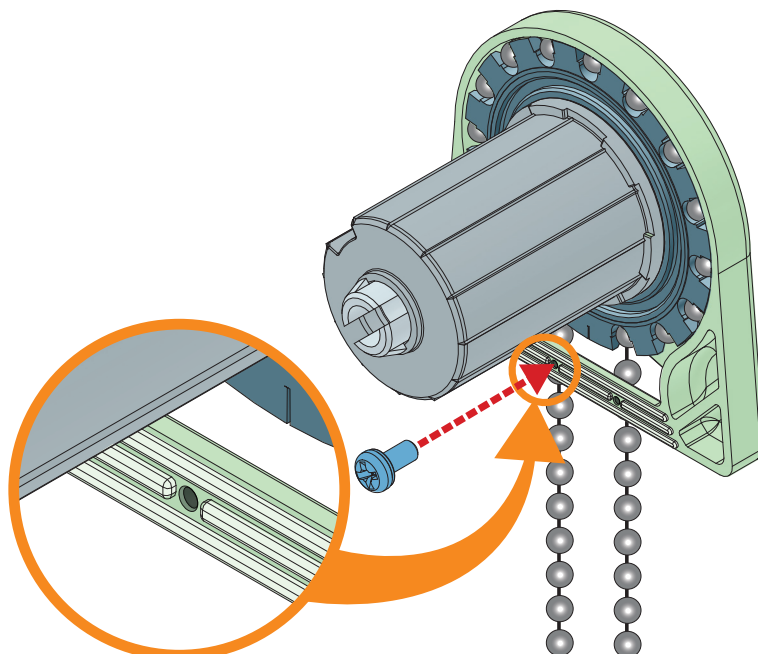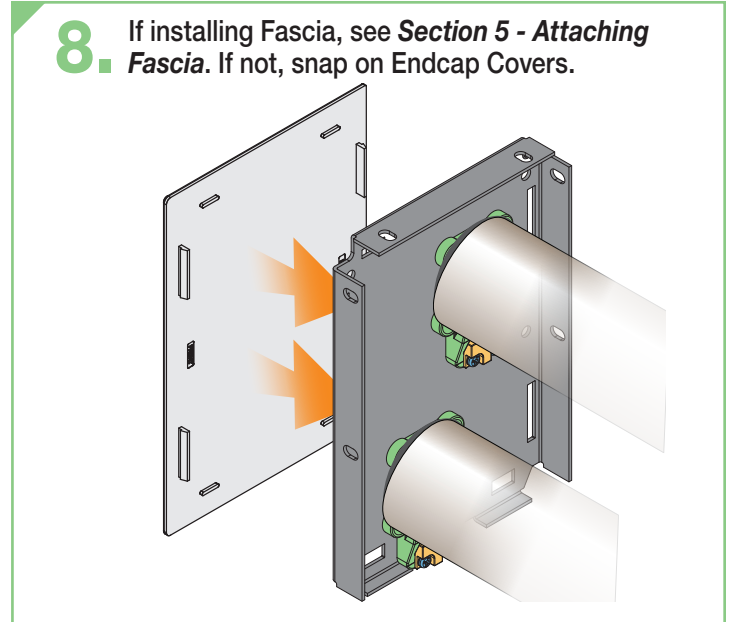
⚠ **Caution:** The retaining clip must be installed around the idler-end shaft as shown to prevent the roller assembly from moving left or right during operation, and to ensure that the spring-loaded shaft does not retract into the mechanism in case of a bearing failure.

3. Slip notches on operator end into the endcap, then press down to lock in place.
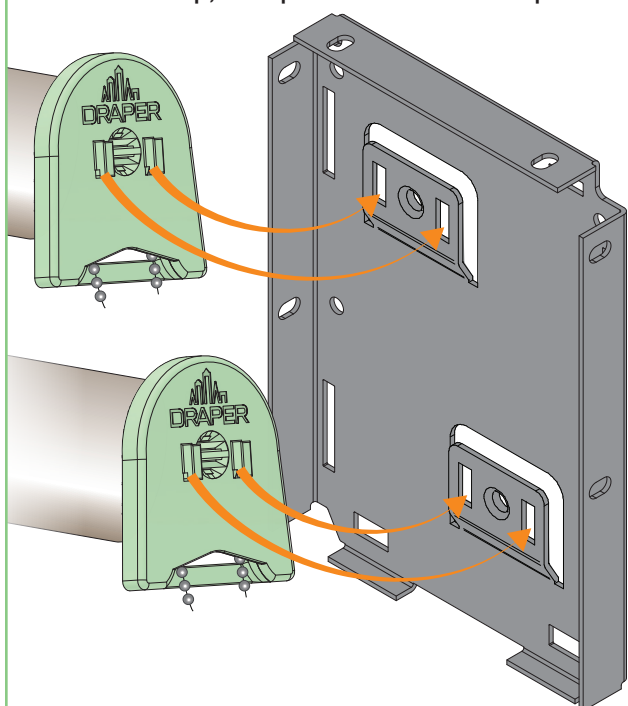
4. Use 1/8"(3mm) bit to drill pilot hole through one of the two (2) indents near bottom of Clutch, and secure with provided screw. Repeat for front shade.

5. Route bead chains through chain guides.

6. Replace slide and safety screw: Place into groove at an angle, slide up, and ensure bottom of the slide is hooked into the receiver.

7. Use the included Adjustment Tool *(C202.029)* in the adjustment point on the underside of slide to level shade.

8. If installing Fascia, see *Section 5 - Attaching Fascia*. If not, snap on Endcap Covers.
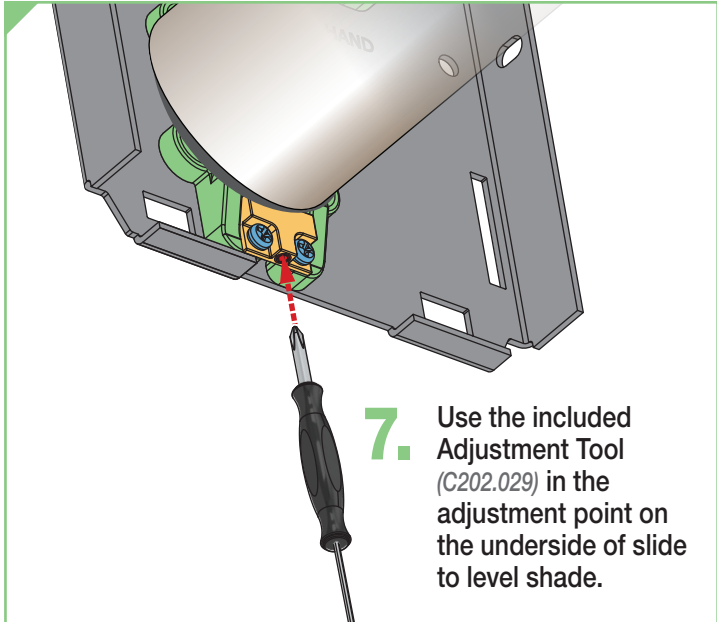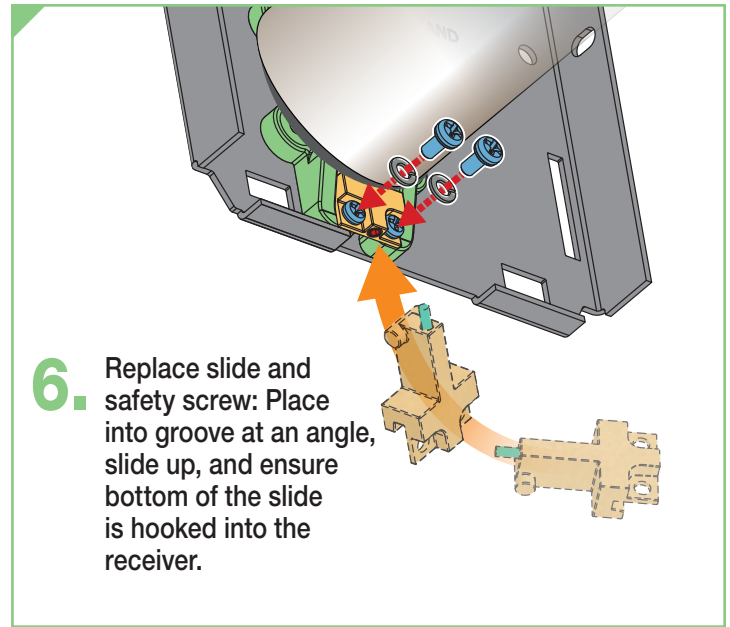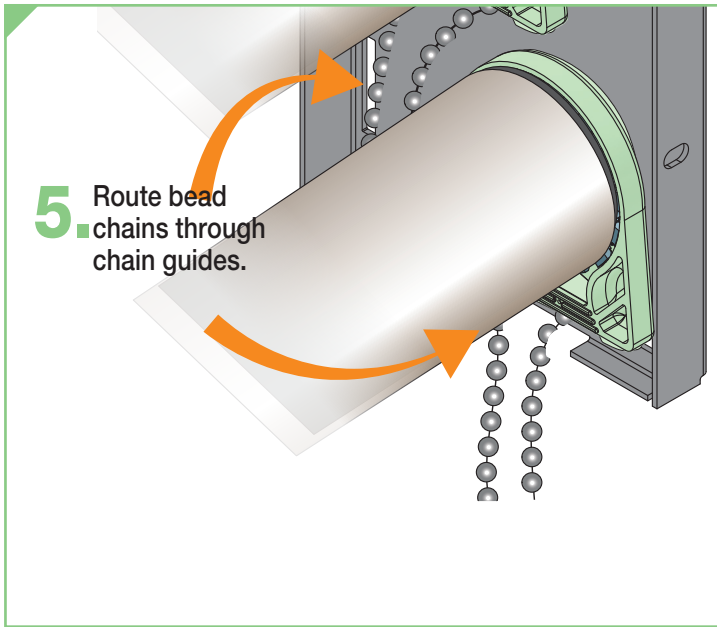
Section 5 - **Attaching Fascia**

1. Place groove along top of fascia over endcaps, and snap into place. Fascia is not fully seated until it clicks into place on both ends.

2. Once in place, check for secure fit. If necessary, secure with appropriate fasteners *(not included)*.

STEP 1

STEP 2

Clicks into place
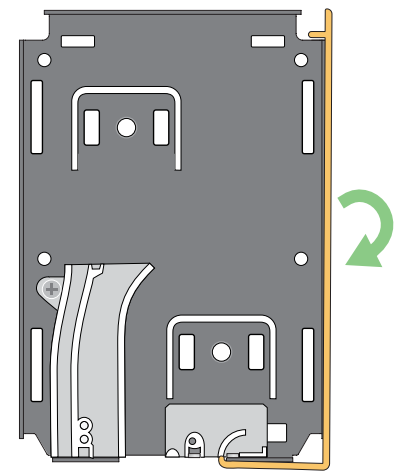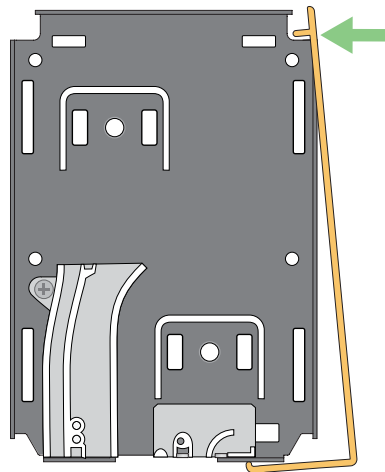
Dual Roller Clutch-Operated FlexShade®

Section 6 - Bead Chain Limits and Safety Device Installation

Attaching Stop Balls

1. Set upper and lower travel limits by installing stop balls to bead chain *(crimp closed using pliers)* (Fig. 6-A).

P-Clip Cord Tension Device

Please Note: Draper® Bead Chain Clutch-Operated shades that do not comply with WMCA/ANSI Standard A100.1-2012 come with a P-Clip cord tension device pre-attached to bead chain *(Fig. 7-B)*. This device must be attached to wall, jamb, or sill so that bead chain is held taut enough that children cannot pull it away from wall or fit their head into loop.

Spring-Loaded Cord Tension Device

If Draper® Clutch FlexShade complies with WMCA/ANSI Standard A100.1-2018, a Spring-Loaded Cord Tension Device comes installed on bead chain *(Fig. 6-C)*. An approved permanent warning label and approved mechanical fasteners *(wood screws)* are included. Device is designed so that children cannot pull bead chain away from wall or fit their head into loop. *(See safety note on page 2)*. For more information, visit www.draperinc.com/windowshades/wcmacompliance.aspx.

1. Install cord tension device to wall, jamb, or sill.

2. Pull tensioner down so that bead chain is held taut and use mounting hardware to keep it taut.

Please Note: Bead chain should be taut enough to move smoothly through device. However, overtightening screws will damage Spring-Loaded Tension Device.
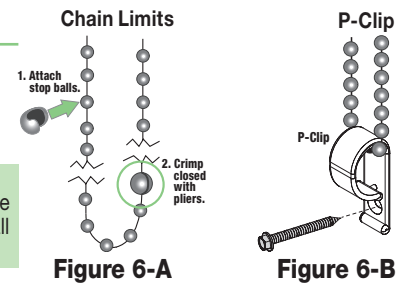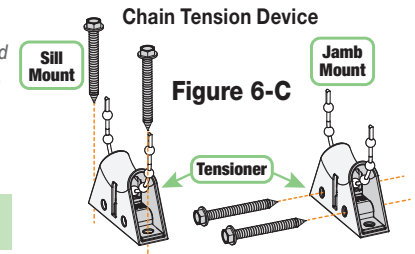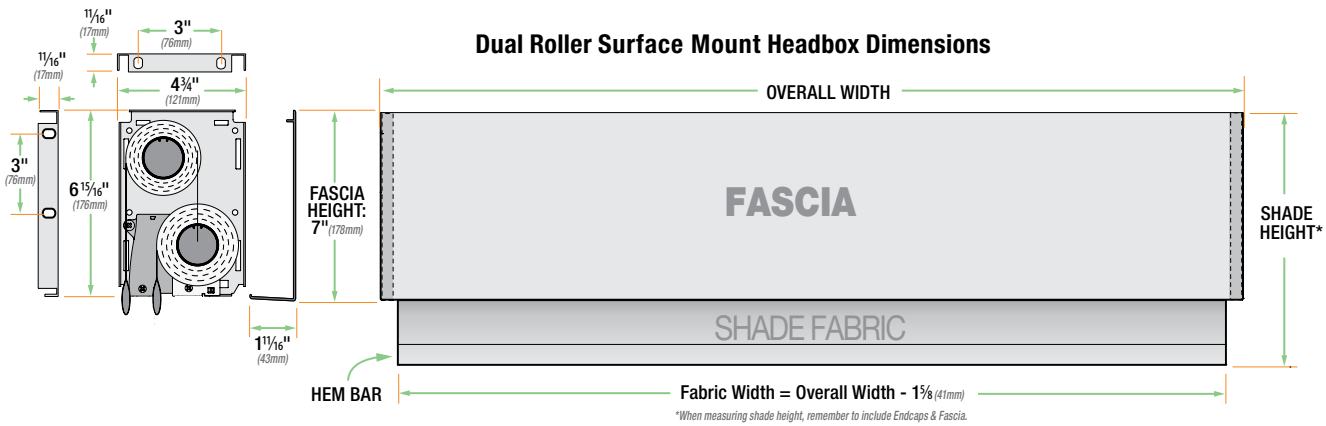
Chain Limits

1. Attach stop balls.

2. Crimp closed with pliers.

Figure 6-A

P-Clip

P-Clip

Figure 6-B

Chain Tension Device

Sill Mount

Jamb Mount

Figure 6-C

Tensioner

Section 7 - Dimensions

Dual Roller Surface Mount Headbox Dimensions

11/16" (17mm)

3" (76mm)

11/16" (17mm)

4¾" (121mm)

3" (76mm)

6 15/16" (176mm)

FASCIA HEIGHT: 7" (178mm)

OVERALL WIDTH

FASCIA

SHADE HEIGHT*

SHADE FABRIC

1 11/16" (43mm)

HEM BAR

Fabric Width = Overall Width - 1⅝ (41mm)

*When measuring shade height, remember to include Endcaps & Fascia.

Dual Roller Steel Pocket Headbox Dimensions

5¾" (146mm)

2⅜" (60mm)

1¼" (32mm)

1 13/16" (46mm)

3 3/16" (81mm)

7¾" (197mm)

1/16" (1.6mm)

⅝" (16mm)

1½" (38mm)

⅞" (22mm)

6 9/16" (167mm)

SHADE WIDTH
Inside Width = Overall Housing Cut - Length = Shade 3/16 (4.8mm)

¾" (19mm)

STEEL POCKET HEADBOX

SHADE HEIGHT

FABRIC WIDTH
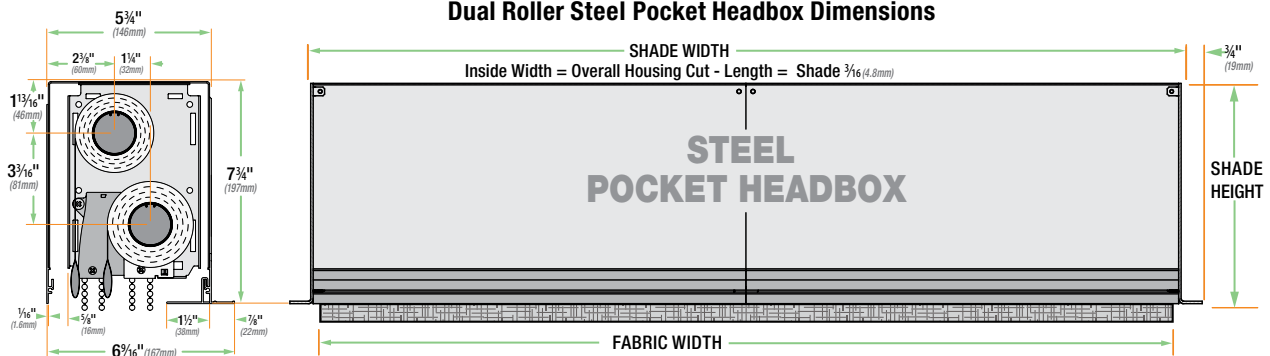
Dual Roller Extruded Aluminum Pocket Headbox Dimensions

5¾" 146mm

7¾" (197mm)

1/16" (1.6mm)

1¼" 32mm

1½" (38mm)

⅞" (22mm)

6 9/16" (167mm)

SHADE WIDTH

¾" 19mm

ALUMINUM POCKET HEADBOX

SHADE HEIGHT

FABRIC WIDTH