Clutch-Operated FlexShade® NEXD, Small and Large Hardware
Next generation premium manually-operated shades
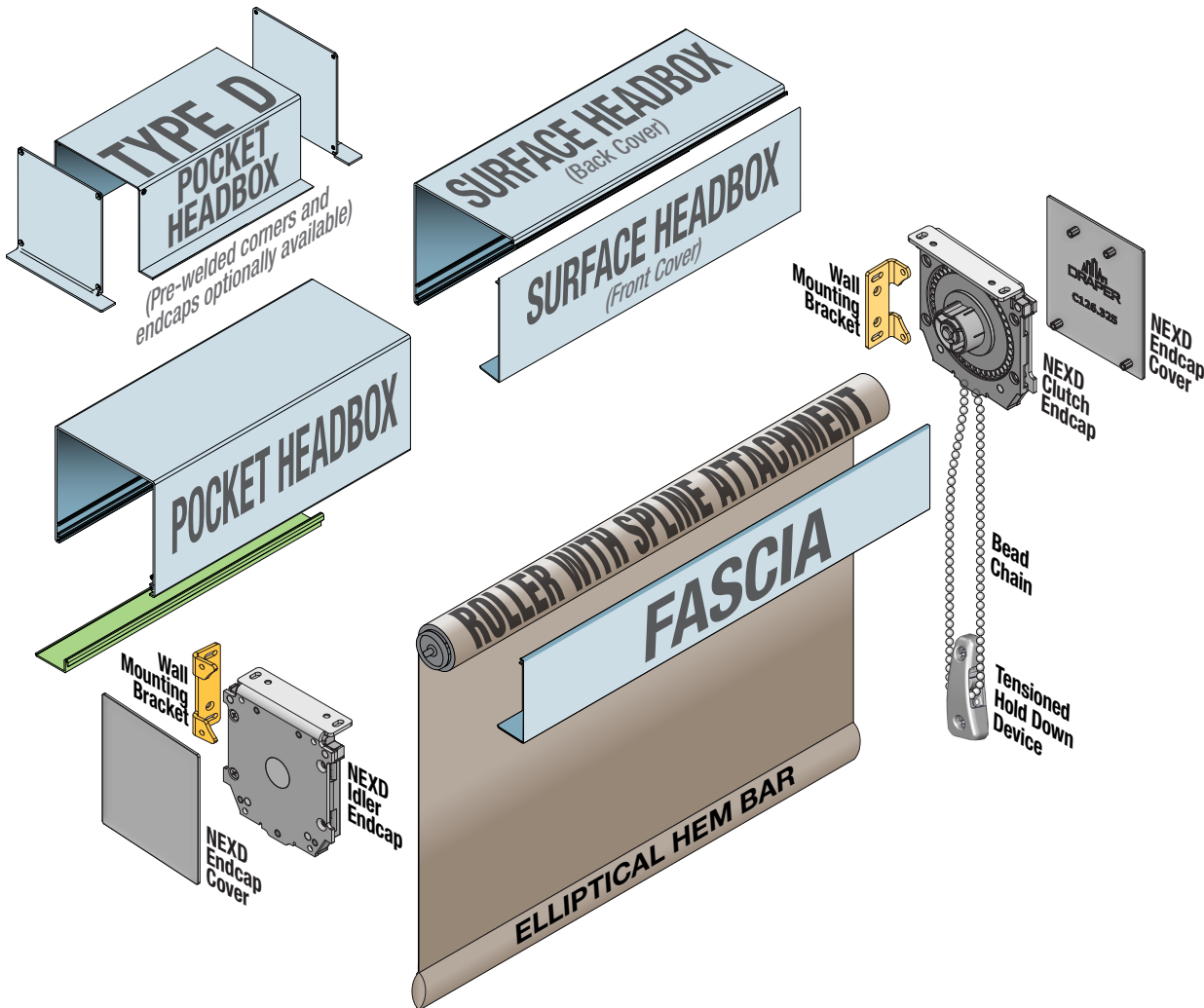
Overview - **Components** *(Small Hardware shown)*

FLEXSHADE NEXD — **PLEASE NOTE:** The Pocket-Style Headbox is not designed for pre-installation, as the shade must be installed at the same time as the headbox. If a headbox needs to be pre-installed, Draper recommends using the Type D Pocket Headbox.
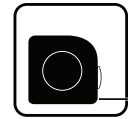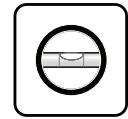

TYPE D POCKET HEADBOX *(Pre-welded corners and endcaps optionally available)*

SURFACE HEADBOX *(Back Cover)*

SURFACE HEADBOX *(Front Cover)*

POCKET HEADBOX

ROLLER WITH SPLINE ATTACHMENT

FASCIA

ELLIPTICAL HEM BAR

Wall Mounting Bracket

NEXD Idler Endcap

NEXD Endcap Cover

Wall Mounting Bracket

NEXD Clutch Endcap

NEXD Endcap Cover

Bead Chain

Tensioned Hold Down Device

TOOLS REQUIRED
- PENCIL
- POWER DRILL
- TAPE MEASURE
- LEVEL
- HARDWARE *(by others)*
- PLIERS

⚠ CAUTION ⚠
Read and understand all warnings before beginning installation.

Contents

If you have any difficulties installing or servicing your FlexShade® NEXD, call your dealer or Draper, Inc.

PLEASE READ - **Important Safety Information**

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

Improper installation and use of the Clutch-Operated FlexShade® NEXD 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. 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.

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

8. 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.

9. 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.

10. 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.

11. 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.

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

13. 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, taking care not to cut into cardboard shipping container.

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
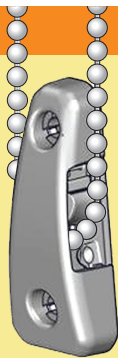
To comply with Child Safety Standard ANSI/WCMA A100.1-2022, this product ships with a tensioning device attached to the bead chain. Incorrect installation partially disables the product. When properly fastened to mounting surface, the pre-installed Tensioned Hold Down device for clutch-operated units prevents creation of a hazardous loop by maintaining tension on the bead chain.

⚠ **WARNING**
⚠ **ADVERTENCIA**
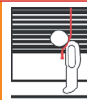
Window Blind Cord Can STRANGLE Your Child.
Keep all cords out of children's reach. Shorten cords to prevent reach.
Move crib and furniture away - Children can climb furniture to reach cords.
La cuerda de la persiana puede ESTRANGULAR su niño.
Mantenga las cuerdas fuera del alcance de los niños. Acorte las cuerdas para evitar el alcance.
Mueva la cuna y los muebles - Los niños pueden subir los muebles para alcanzar cuerdas.

ANSI/WCMA A100.1 04/2024

Scan for more information, including short videos on correctly installing the tensioning device, or go to draperinc.com/windowshades/childsafety.

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 shimming fabric into the fabric roll when the shade is deployed on the side that the fabric will be drawn toward. For example: if the fabric is tracking to the left, place the shimming fabric 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 standard Draper 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.)

PLEASE READ - **Important 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, taking care not to cut into cardboard shipping container.

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.**

Section 1 - **Mounting Endcaps**

⚠ **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.

Please Note: The NEXD ships equipped for wall mounting. **Product is field adjustable by installer from wall to ceiling mounting configuration, and right hand to left hand operation.**
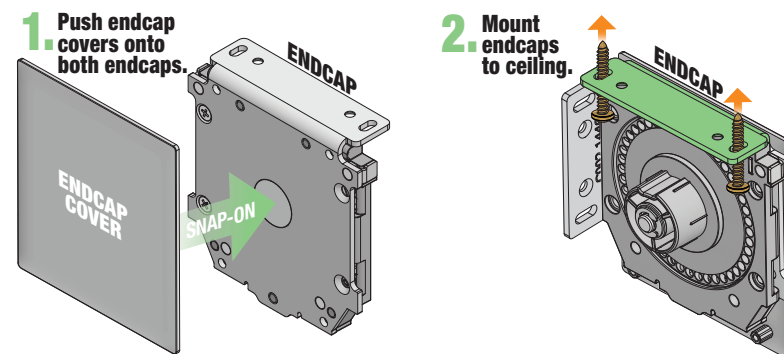
Figure 1

Wall Mounting Endcap

1. Mark wall for placement of endcaps.

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

3. Attach idler and operator endcap covers to endcaps.

4. Mount endcaps using appropriate fasteners for surface. *(See Section 2 to convert between right and left mounting configurations as needed.)*

1. Push endcap covers onto both endcaps.

2. Mount endcaps to wall.
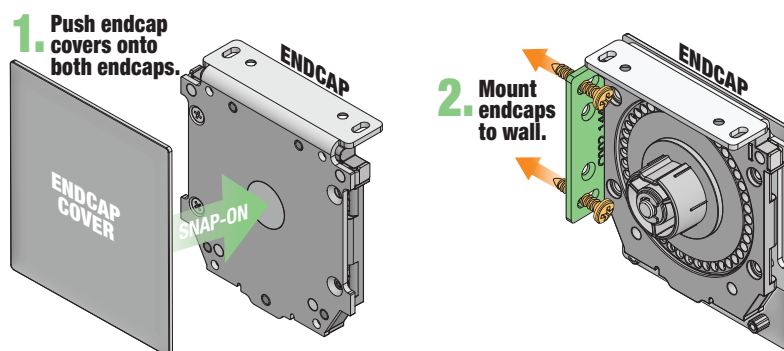
Figure 2

Ceiling Mounting Endcap

1. Mark ceiling for placement of endcaps.

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

3. Attach idler and operator endcap covers to endcaps.
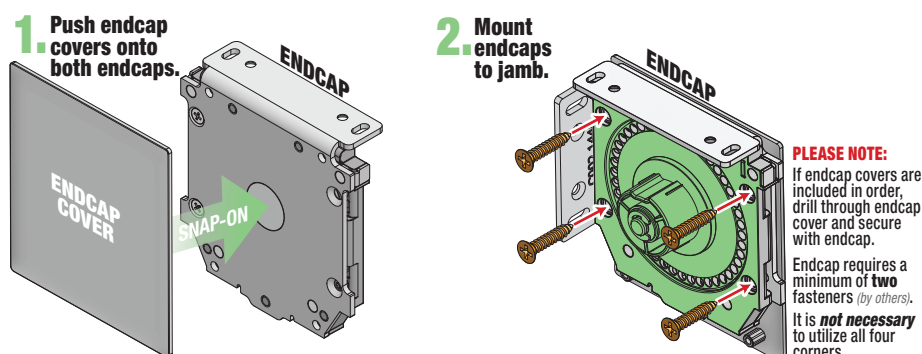
4. Mount endcaps using appropriate fasteners for surface.

1. Push endcap covers onto both endcaps.

2. Mount endcaps to ceiling.

Figure 3

Jamb Mounting Endcap

1. Mark wall for placement of endcaps.

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

3. Attach idler and operator endcap covers to endcaps.

4. Mount endcaps using appropriate fasteners for surface.

Please Note: If endcap covers are included in the order, drill through the endcap cover and secure with the endcap.

1. Push endcap covers onto both endcaps.

2. Mount endcaps to jamb.

PLEASE NOTE:
If endcap covers are included in order, drill through endcap cover and secure with endcap.

Endcap requires a minimum of **two** fasteners *(by others)*.

It is **not necessary** to utilize all four corners.

Section 2 - **Converting Between Left and Right Wall Mounting Configurations**

1. Remove screws and Wall Mounting Bracket from reverse side of endcap.

2. Insert Wall Mounting Bracket into slots on other side of endcap, and use screws to reattach Wall Mounting Bracket to endcap.
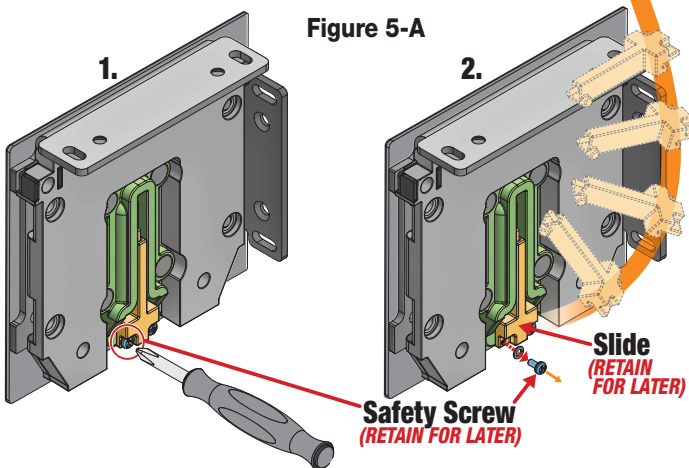
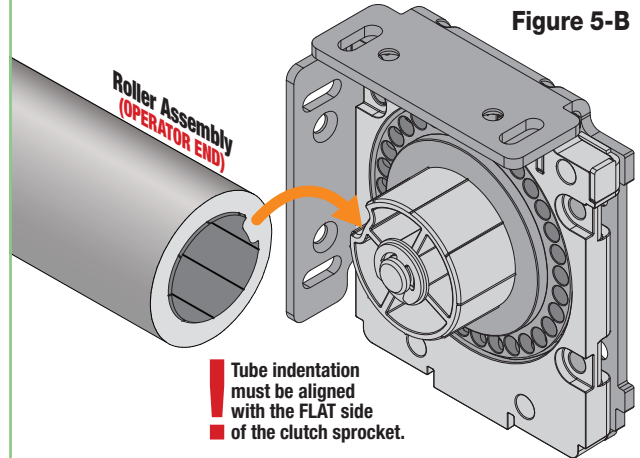**Figure 4**
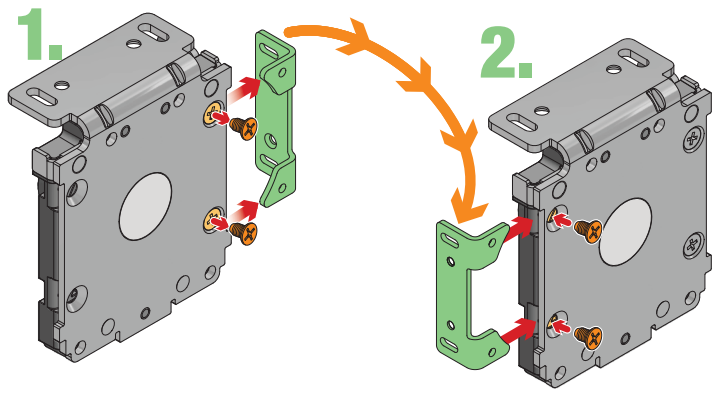
Section 3 - **Spring Assist Idler** *(Standard)*

⚠ *Caution:* 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 these pieces for later.

Figure 5-A

1.   2.

Slide
(RETAIN FOR LATER)

Safety Screw
(RETAIN FOR LATER)

2. Install roller assembly tube onto clutch .

Figure 5-B

Roller Assembly
(OPERATOR END)

❗ Tube indentation must be aligned with the FLAT side of the clutch sprocket.

3. 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.

Figure 5-C

Roller Assembly
(IDLER/SPEAR END)

Note: Retainer Clip has extrusion to fit into slots on shaft.
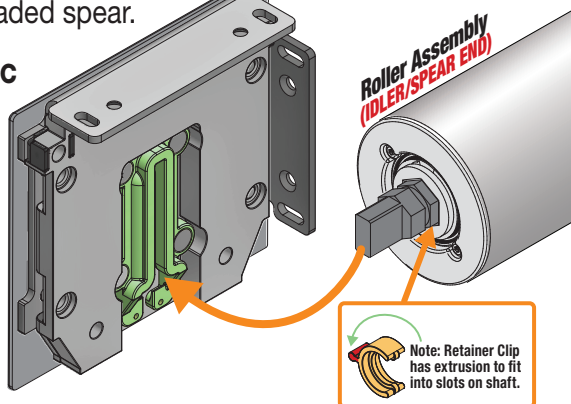
⚠ *Caution:* The retaining clip must be installed around the idler-end shaft as shown to prevent the roller assembly from moving left or right during operation, and to ensure that the spring-loaded shaft does not retract into the mechanism in case of a bearing failure.

4. Replace slide and safety screw. Place into groove at an angle, slide up, and ensure the bottom of the slide is hooked into the receiver.
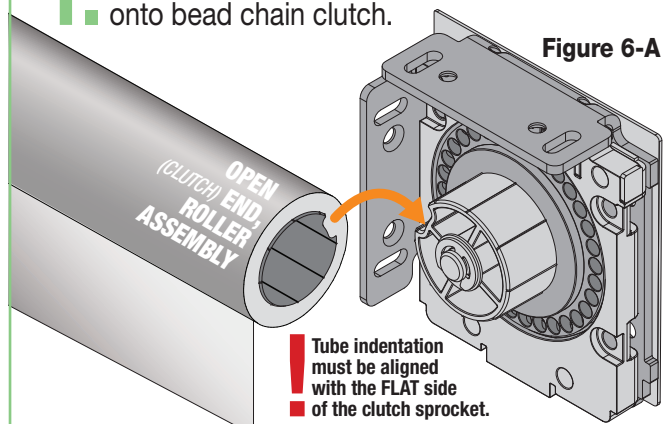
Figure 5-D   1.   2.

Slide

Safety Screw
(RETAIN FOR LATER)
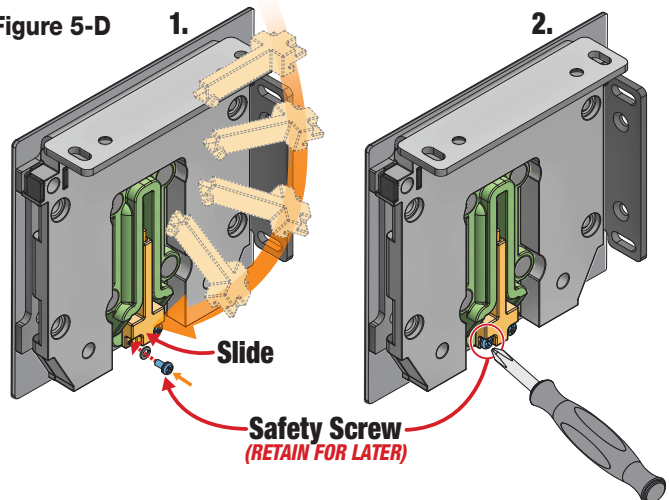
Section 4 - **Pin End Idler** *(Provided with Smaller Shades)*

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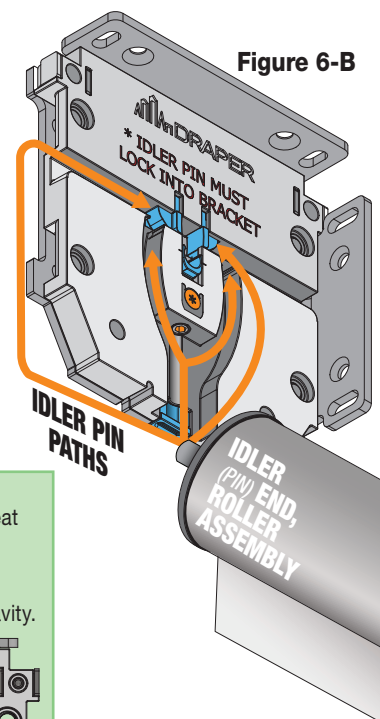
Please Note: If shade fabric is uneven, see "Field Adjustments" on page 2.

1. Carefully work open *(clutch)* end of roller onto bead chain clutch.

Figure 6-A

OPEN *(CLUTCH)* END, ROLLER ASSEMBLY

! Tube indentation must be aligned with the FLAT side of the clutch sprocket.

**2.** Slide idler end pin through one of the slots on the idler endcap, and into the spring-loaded seat for pin.

**Please Note:** See illustration for different path options.

Figure 6-B

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* IDLER PIN MUST LOCK INTO BRACKET

IDLER PIN PATHS

IDLER *(PIN)* END, ROLLER ASSEMBLY

3. Test shade to ensure that roller is level and operating properly.

4. If shade is *not* level, adjust idler leveling screw with 3mm Hex Wrench, available upon request when ordering shade.

Please Note: Applying 1-2 drops of a medium-strength threadlocker to the threads of the height adjustment screw is recommended prior to final adjustment.

Figure 6-C

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IDLER *(PIN)* END, ROLLER ASSEMBLY
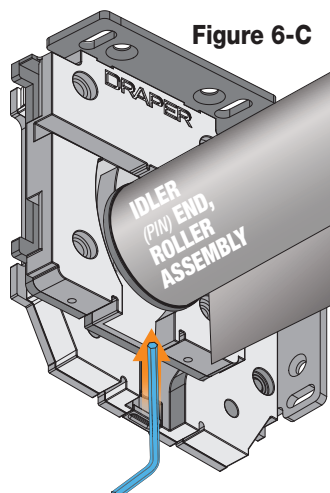
Please Note: Idler end has a spring-loaded seat and detents to prevent the idler pin from coming out of the idler. It allows upward and downward adjustment within the vertical cavity.

Spring-loaded seat for idler pin

Detents
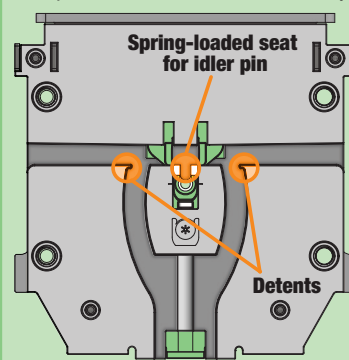
Section 5 - **Tensioned Hold Down** *(Must be installed to make shade fully operable.)*

Please Note: Screws provided are not suitable for all mounting surfaces. The installer is responsible for secure mounting using appropriate hardware for the site conditions. Consult with contractors and builders as needed.

1. Lift bead chain out of bead locking groove and slide tensioned hold down to bottom of chain loop.

2. Hold tensioned hold down in one hand while pulling plunger away from bead chain with other hand.

PLUNGER

BEAD LOCKING GROOVE
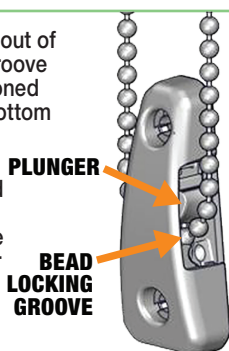
3. Pull tensioned hold down until bead chain is fully tensioned and move tension device up approx. ⅛" *(3mm)*

**4.** Mark screw hole locations with a pencil.

INSIDE MOUNT

If mounting directly onto the surface, pre-drill screw holes and then install the tensioned hold down using the 2 large screws provided.
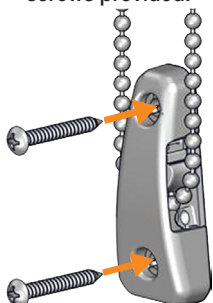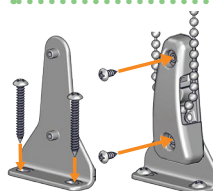
SIDE OR INSIDE MOUNT

A. Align mounting bracket sight holes with pencil marks and attach bracket to mounting surface.

B. Press tensioned hold down onto mounting bracket posts and carefully install device using the two smaller provided screws with appropriate screwdriver.

SIDE MOUNT

SIGHT HOLE

INSIDE MOUNT

SIGHT HOLE
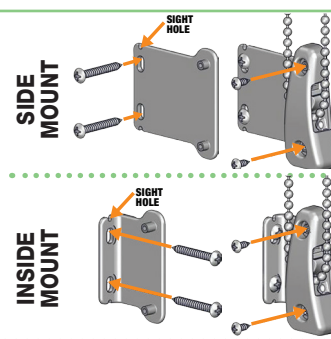
FLOOR MOUNT

A. Securely fix floor mount bracket to surface.

B. Assemble tensioned hold down & chain.

C. Adjust bead chain so that plunger is ⅛" *(3mm)* below top position.

D. Adjust chain length by removing and then reassembling stop balls.

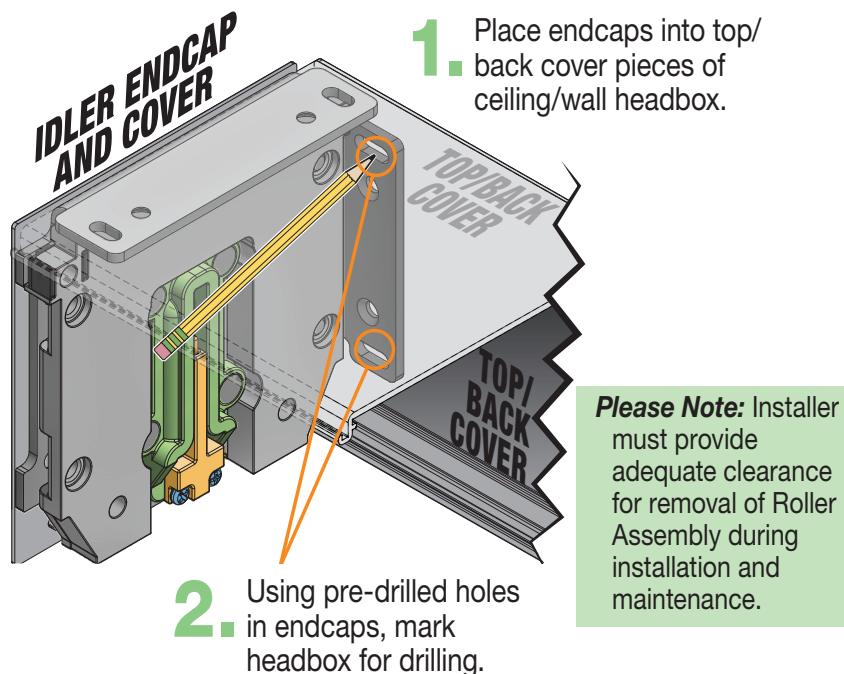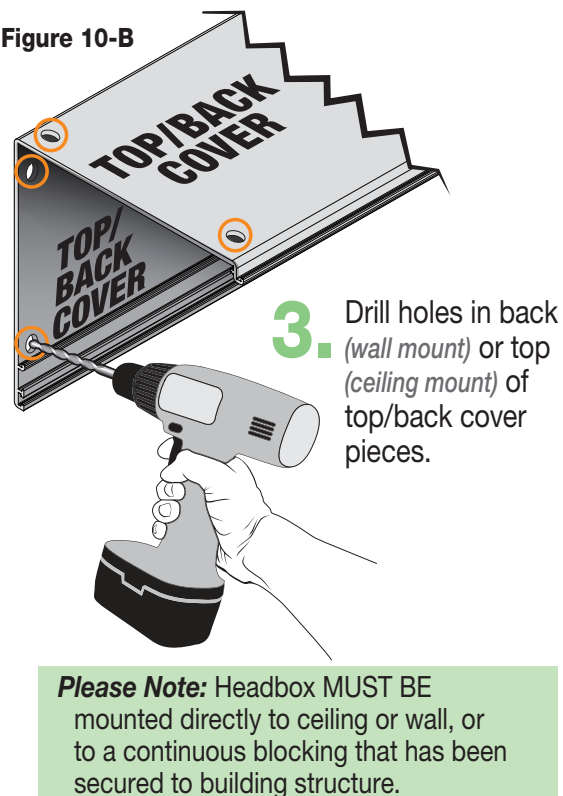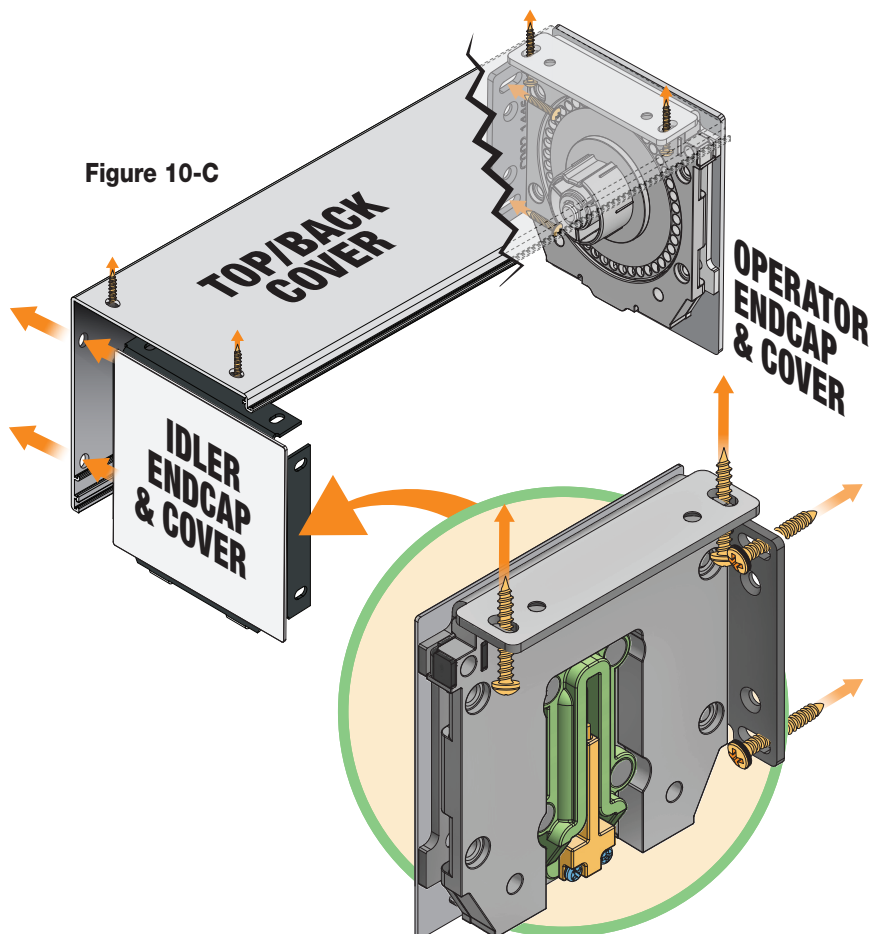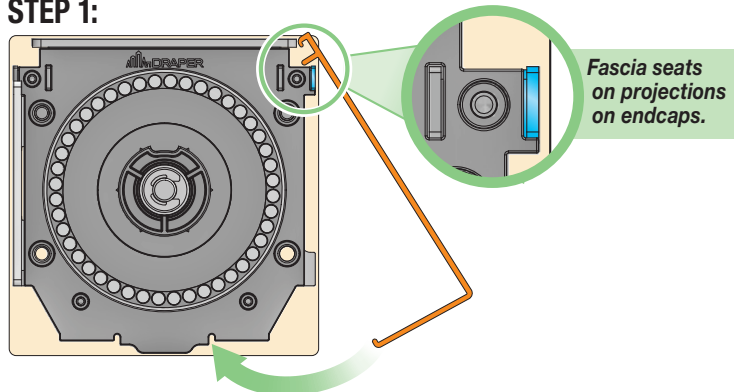Section 6 - **Top/Back Cover Installation**

Figure 10-A

1. Place endcaps into top/back cover pieces of ceiling/wall 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.

Figure 10-B

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

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

Figure 10-C

4. Attach endcaps and top/back cover pieces to wall or ceiling, using mounting hardware appropriate for site conditions.

Next, mount roller assemblies (Sections 3 & 4).

Please Note: A minimum of two *(2)* screws is required for each endcap.

Section 7 - **Attaching Fascia**

STEP 1:

Fascia seats on projections on endcaps.

STEP 2:

Click fascia into place

! **Fascia is not fully seated until it clicks into place on both ends. Once in place, check for secure fit.**
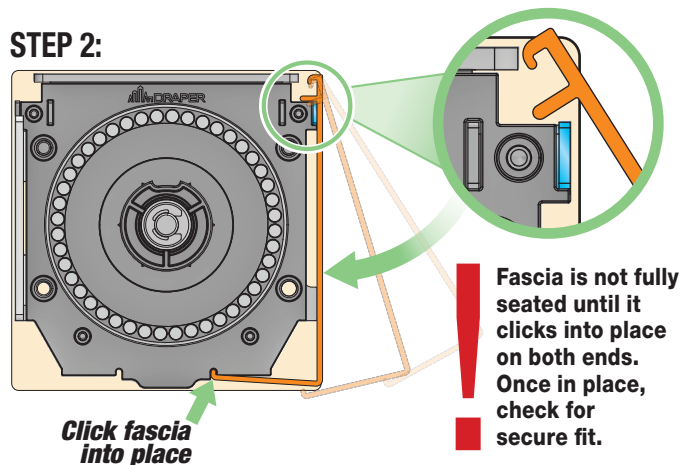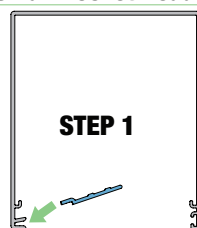
Reverse Roll Fascia

1. Slide endcaps into fascia.

2. Using provided holes in endcaps, mark the fascia for drilling.

3. Attach endcaps to fascia.

4. Mount endcaps/reverse roll fascia.

5. Install roller/fabric/operator assembly according to relevant instructions.

6. Attach endcap covers to endcaps. Use double-sided tape to help secure in place.

7. Once in place, check for secure fit. If not secure, secure with appropriate fastener *(not included)*.
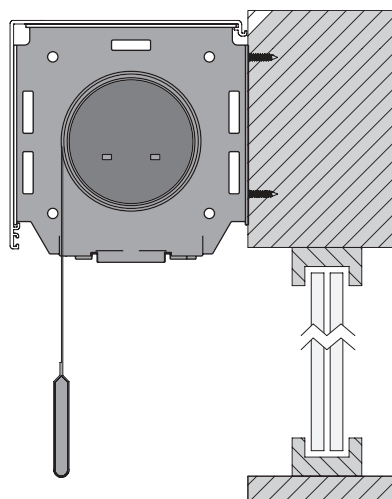
Section 8 - **Pocket Headbox**

1. Slide endcaps into the pocket extrusion of headbox. Using provided holes in endcaps, mark headbox for drilling.

2. Drill holes in back *(wall mount)* or top *(ceiling mount)*.

3. Attach Pocket Headbox extrusion using mounting hardware appropriate for site conditions.

4. Install shade *(See Sections 1 -5)*.

6. Attach pocket closure. Once in place, secure with appropriate fastener *(not included)* if necessary.
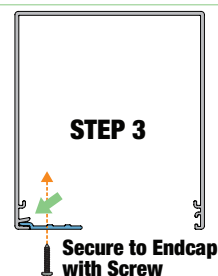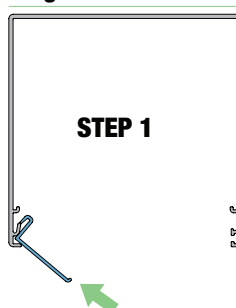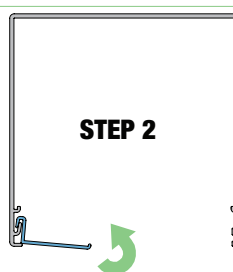
Small Pocket Headbox

STEP 1

STEP 2

STEP 3

Secure to Endcap with Screw

Large Pocket Headbox

STEP 1

STEP 2

STEP 3
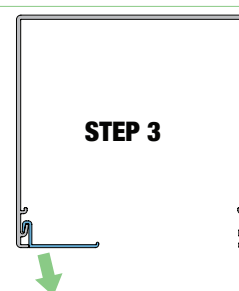
Section 9 - **Dimensions** *(Ceiling Mount shown)*

TOP-DOWN VIEW

Shade Width

B **C** **D**

IDLER END   CLUTCH END

FRONT VIEW

E **F** **B**

A

$^{13}/_{16}$" *(21mm)* Edge Clearance

$^{13}/_{16}$" *(21mm)* Edge Clearance

Fabric Width

Shade Width
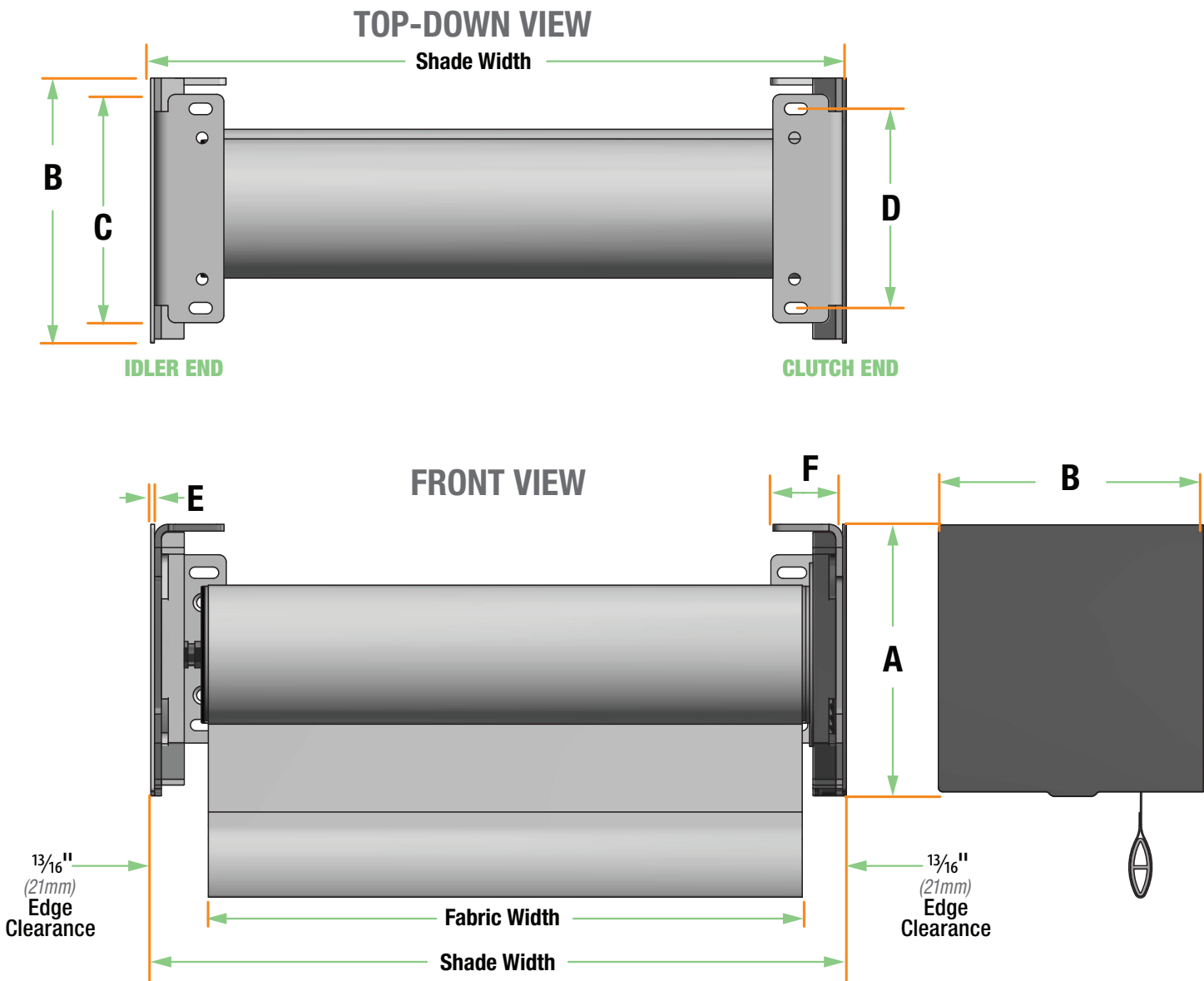
FlexShade NEXD Endcaps & Fascia

	ENDCAPS		ENDCAPS WITH FASCIA		HEADBOX WITH ENDCAPS	
	SMALL	LARGE	SMALL	LARGE	SMALL	LARGE
A	3 $^7/_8$" *(98mm)*	4 $^5/_8$" *(117mm)*	3 $^7/_8$" *(98mm)*	4 $^5/_8$" *(117mm)*	3 $^{15}/_{16}$" *(100mm)*	4 $^{11}/_{16}$" *(119mm)*
B	3 $^3/_8$" *(86mm)*	4 $^5/_8$" *(117mm)*	3 $^3/_8$" *(86mm)*	4 $^5/_8$" *(117mm)*	3 $^7/_{16}$" *(87mm)*	4 $^{11}/_{16}$" *(119mm)*
C	2 $^3/_4$" *(70mm)*	3 $^{15}/_{16}$" *(100mm)*	2 $^3/_4$" *(70mm)*	3 $^{15}/_{16}$" *(100mm)*	2 $^3/_4$" *(70mm)*	3 $^{15}/_{16}$" *(100mm)*
D	2 $^1/_8$" *(54mm)*	3 $^7/_{16}$" *(87mm)*	2 $^1/_8$" *(54mm)*	3 $^7/_{16}$" *(87mm)*	2 $^1/_8$" *(54mm)*	3 $^7/_{16}$" *(87mm)*
E	$^1/_{16}$" *(2mm)*	$^1/_{16}$" *(2mm)*	$^1/_{16}$" *(2mm)*	$^1/_{16}$" *(2mm)*	$^1/_{16}$" *(2mm)*	$^1/_{16}$" *(2mm)*
F	1 $^1/_4$" *(32mm)*	1 $^1/_4$" *(32mm)*	1 $^1/_4$" *(32mm)*	1 $^1/_4$" *(32mm)*	1 $^1/_4$" *(32mm)*	1 $^1/_4$" *(32mm)*

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