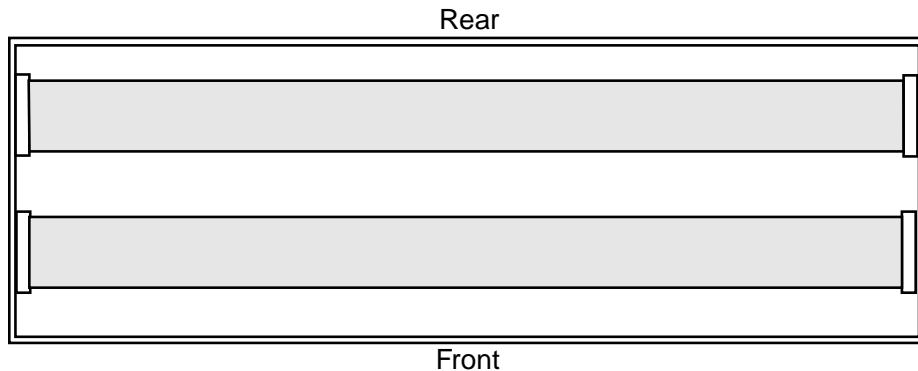


- ④ Indicate number and placement of shades on rear roller, and number and placement of shades and/or screens on front roller (be sure to note shade fabric styles and colors (see back page for specifications and colors) and screen materials and sizes (refer to chart at right). Also indicate desired locations for couplers and junction boxes.



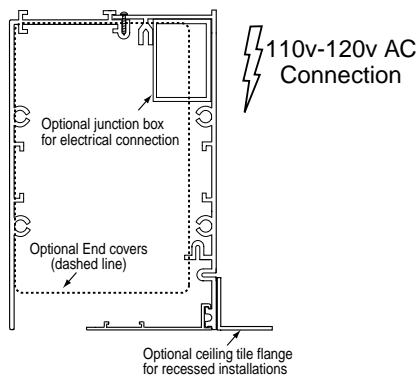
Please Note: Surfaces and fabrics can be placed anywhere in the headbox. Fabric or screen can be no closer than 13/16" to either end of the headbox.

- ⑤ If you are specifying a projection screen as part of this unit, please select from the following options:

- Viewing Surface:** Matt White Glass Beaded
 Overall Screen Size (height x width): _____
 Extra Drop (Total height cannot exceed 12')
 Select white or black _____
 Length of extra drop: _____
 Black Masking Borders (standard on NTSC Video format screens. These borders decrease the image width of AV format screens through 70" x 70" by 3", and by 4" on larger AV format screens; height is increased 1 1/2" through 70" x 70", and 2" on larger.)

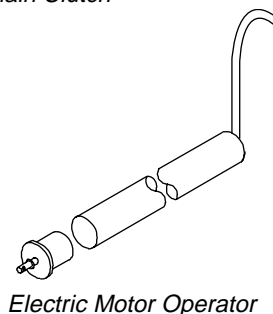
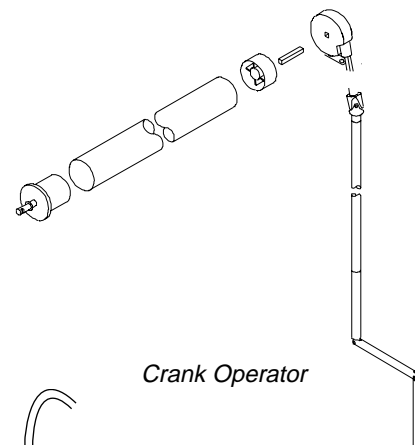
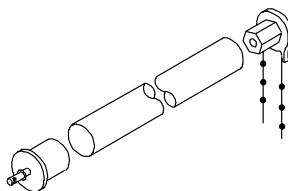
- ⑥ Select Headbox Accessories:

- Junction Box
 _____ # of Junction Boxes required (note locations on drawing at top of this page)
 End Covers
 Ceiling Tile Flange (for recessed installations)



- ⑦ Select Operators: (Front and back rollers will have the same type operator)

- Electric Motor
 Clutch
 Metal Bead Chain (standard)
 Nylon Chain
 Ivory
 Grey
 Black
 Crank
 Permanent Crank (Standard)
 Detachable Crank



- ⑧ Do you want side and sill channels on rear shade?

- Yes No
 If "Yes," select mounting option:
 Jamb Surface

Select Finish:

- Dark Bronze Black
 Clear Anodized White
 Ivory
 Rear shade without side/sill channels

Access Dual Roller Screen sizes*

AV Format Sizes

Size H x W	Size H x W
50" x 50"	7' x 9'
60" x 60"	9' x 9'
70" x 70"	8' x 10'
84" x 84"	10' x 10'
6' x 8'	9' x 12'
8' x 8'	12' x 12'

Nominal Diagonal	Image Area H x W	Overall Size
------------------	------------------	--------------

NTSC Video Format (3:4)		
6'	42 1/2" x 56 1/2"	46 1/2" x 59 1/2"
7'	50" x 66 1/2"	53 1/2" x 69 1/2"
8'/100"	60" x 80"	64" x 83 1/2"
10'	69" x 92"	73" x 96"
11'	78" x 104"	83" x 108"
150"	87" x 116"	92" x 120"
15'	105" x 140"	109" x 144"

HDTV Format (9:16)		
92"	45" x 80"	49" x 83 1/2"
106"	52" x 92"	56" x 96"
133"	65" x 116"	69" x 120"
161"	79" x 140"	84" x 144"

WideScreen Format (1:1.85)		
8'/100"	47" x 87"	51" x 90"
9'	50" x 92"	54" x 96"
10'	56" x 104"	60" x 108"
11'	63" x 116"	67" x 120"
13'6"	76" x 140"	80" x 144"

* Custom sizes also available.

Access Dual Roller FlexShade by Draper

⑨ **How do you want to control your motorized Access Dual Roller? (Note: Please choose one):**

- Individual Control** for controlling each roller separately. Comes with two 110v, 3-position toggle switches—one switch per roller.
- Group Control System** for controlling all rollers in a group at once. **One GCS is required for every four shade/screen motors.** Comes with one 24v, 3-button wall master switch.

How Many Group Control Systems? (minimum of two—see note) _____

(Note: Rear and front rollers must be operated in separate groups, so that rear rollers are operated as one group, and front rollers are operated as a separate group)

- Individual & Group Control System** for controlling all rollers in a group at once using a master switch, while retaining the ability to control a single roller with an individual switch. **One IGC-III is required for every three shade/screen motors.**

How Many Individual & Group Control Systems? (minimum of two—see note) _____

(Note: Rear and front rollers must be operated in separate groups, so that rear rollers are operated as a group (by a master switch), and front rollers are operated as a separate group)

_____ # of Master Switches(1 per group)
 _____ # of Individual Switches (no limit, usually 1 per motor)

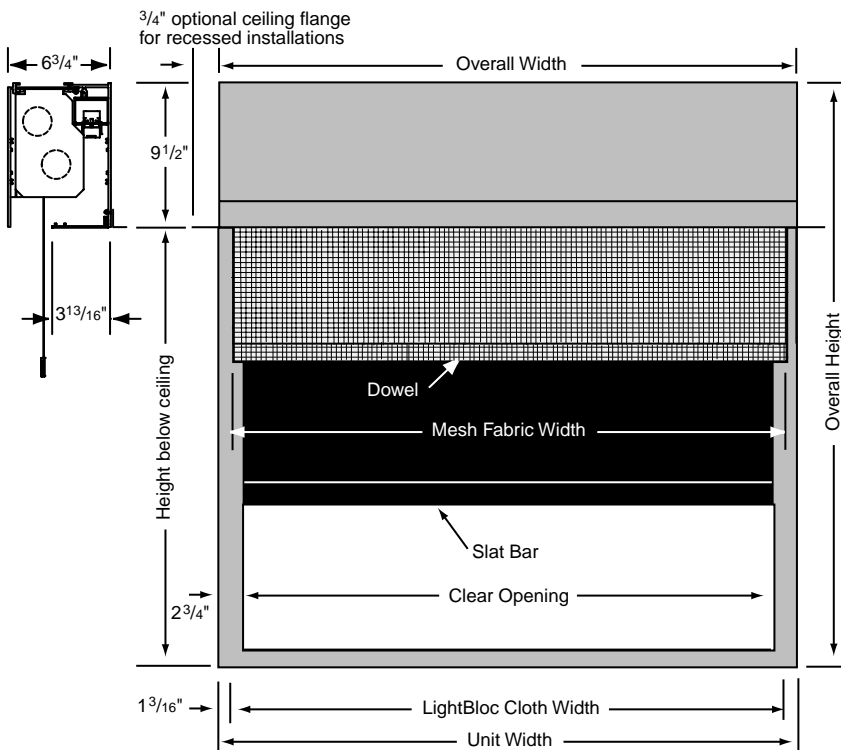
⑩ **If you want to use switching options other than those standardly supplied (see above), select from below (please choose one):**

- 3-position Key-Operated Switch
How Many? (at least one per roller required) _____
- Low Voltage Control (with 3-button switch)
How Many? (at least one per roller required) _____
- Radio Frequency Remote Control (one per roller or group required)
Specify: Single-button transmitter (one per control required)
 3-button transmitter (one per control required)
- Override Switch
- Infrared Remote Control, 3-button (one per roller or group required)
 Override Switch
- Sun Sensor Remote Control (one per roller or group required) (includes override switch)
 Remote Override Switch for Sun Sensor Control (one per control)
- 24-Hour Programmable Digital Timer (one per roller or group required)
- Video Interface Control (Choose one and indicate roller—allows roller to be controlled by projector)
 - VIC-115 Front Roller Rear Roller Both Rollers
 - VIC-12 Front Roller Rear Roller Both Rollers
 - VIC-6 Front Roller Rear Roller Both Rollers

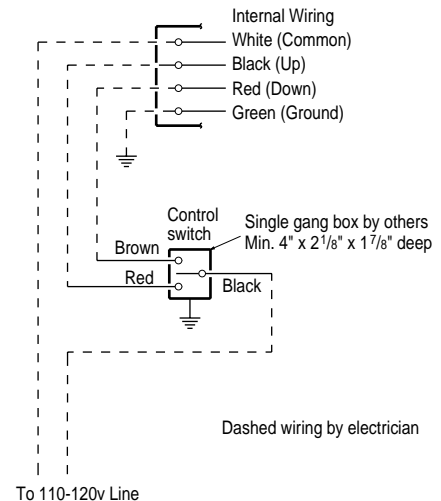
⑪ **Select Switch/Plate Cover Colors (Motorized Shades only):**

- Ivory color (standard)
- White

Access Dual Roller Dimensions



Access Dual Roller Wiring Diagram*



*** This diagram is for standard switching for one roller in the Access Dual Roller FlexShade. This diagram will need to be followed for both rollers. For wiring diagrams of optional controls, contact Draper, Inc.**

Access Dual Roller FlexShade System:

Two rollers within a single pocket style headbox. Headbox of extruded aluminum alloy, painted white on bottom and front. With or without ceiling tile lip. Removable bottom closure attaches without exposed fasteners. Available in stock lengths for installation ahead of shades and screen. Grooves extruded along the top of box allow brackets to be inserted to accommodate suspension style mounting. Boxes may be pre-wired with factory installed junction boxes.

Method of Operation

NOTE: Both shades in headbox must have the same operator type.

Electric Operator: Drive unit inside roller, to be 3-wire, instantly reversible, lifetime lubricated. Right hand **standard**. Push button style adjustable limit switches, thermal overload protector, and electric brake. Operates on 110-120v AC 1 ph. 60 hz. current. Draws 1.2 amps.

Bead Chain Clutch Operator: (High carbon steel and molded fiberglass-reinforced polyester/Acetal & #6 Nylon). Bi-directional for mounting at either end of roller. Control loop, of any length, is a plastic or stainless steel bead chain. Metal standard. Plastic chain in ivory, grey, and black. Never needs adjusting. Lower clutch mounted opposite end of upper clutch.

Crank Operator: Gear box, of die cast aluminum and steel, has ratio of 3.0 to 1. Bidirectional to mount at either end of roller. Never needs lubrication or adjustment. Crank handle assembly, of anodized aluminum and chrome plated steel, up to 6' in length, detachable or permanently mounted (heavy-duty crank optional in lengths to 10'). Crank roller insert, of injection molded nylon and steel, is installed in the roller and engages to gear box.

Hardware

Rollers (except spring rollers): Sizes 1¼" dia. x .030 wall, 1½" dia. x .065 wall, or 2" dia. x .080 wall, in steel or extruded aluminum. 3" dia. steel tube available, and will accept optional sound reducing motor adaptors. Roller assembly easily removable.

Mounting Brackets: Steel stampings, which twist into grooves in the top of the headbox and can then be slid into the proper locations.

Roller Idler Assembly: Type 6/6 injected molded nylon and a zinc-plated cold rolled steel pin. Sliding pin for easy installation and removal of the roller. Idler pin for 1¼" dia. roller rotates in nylon bushing, which securely interlocks with mounting bracket.

Coupler Assembly: *Couplers:* Type 6 nylon. *Coupler pins:* 1018 zinc plated steel. *Coupler bracket:* 1018 zinc plated steel with center bronze bushing. Allows for one motor or crank operator to drive up to two additional shade rollers. Overall width of group not to exceed (30' motorized/20' manual). Coupler Assembly to fit 2" or 3" dia. rollers with adjacent rollers of the same diameter.

Side Channels (available on rear shade only): One-piece construction. Channel consists of 2 chambers. One accepts the fabric and contains groove for fabric retainer. The second accepts fabric guide and channel locator. Outside mounts require plastic cover buttons.

Sill Channel (available on rear shade only): Accepts slat bar, prevents light leakage. Bottom of channel provides for use of flat head screws.

Surfaces

Select two surfaces. If a projection screen surface is selected, it must be placed furthest from the window. If a blackout shade is desired, it must be placed closest to the window.

Fabrics

Series SW2000/SW2100 SheerWeave®: 500 denier fiberglass, vinyl coated and woven into a 2 x 2 basketweave. 13.6 oz./sq. yd., .019" thick. Flame retardant. 98" max. roll width. **SW2000** avg. 5% open; **SW 2100** avg. 10% open. Colors available: White, White/Bone, Bone, Bone/Platinum, Platinum, Bronze, Charcoal, Charcoal/Grey, Charcoal/Chestnut.

Series SW2900/2600 SheerWeave®: Fiberglass and PVC on fiberglass basketweave, .017" thick. Flame retardant. 98" max. roll widths. **SW2900**—11.9 oz./sq. yd., 5% open. **SW2600**—10.5 oz./sq. yd., 10% open. 6" roll width Available colors: Pearl Grey, Beige, Oyster, Charcoal, Oyster/Pearl Grey, Oyster/Beige, Charcoal/Chestnut, Beige/Pearl Grey, Charcoal/Grey.

Series SW3000 SheerWeave®: Vinyl coated fiberglass and vinyl coated polyester woven into a 62 x 16 mesh. 14.8 oz./sq. yd., .027" thick. Flame retardant. 96" max. roll width. Avg. 14% open. Colors available: Mushroom Sand, Pearl White, Custard Cream, Mauve, Pale Grey, Spanish Grey, Dusty Grey, Ninja Grey, Chocolate, Sand Dollar, Espresso, Honey Sage, Black Forest, Mossy Green, Harvest Wheat.

Series PW3500/PW4100/PW4400 SheerWeave®: Vinyl coated polyester yarn, thickness .030", woven into a basketweave. Flame retardant. 98" max. roll width. Colors available: Bone, Linen, Greystone, Soft Grey, Granite, Ash, Tobacco, Ebony, Snowy White.

Series PW3500: avg. 5% open, 20 oz./sq. yd.

Series PW4100: avg. 10% open, 17 oz./sq. yd.

Series PW4400: avg. 3% open, 20.7 oz./sq. yd.

Series PW 4800 SheerWeave®: Vinyl coated polyester, flame retardant, designed with privacy in mind and offers maximum UV blockage, with a 1% openness factor. 18.5 oz./sq. yd., 78" roll width. Colors available: Alabaster, Peach, Teal, Grey.

Series SB9000 (Triopak II)/SB9100 (Duopak) SunBloc: Close woven fiberglass base textile with sun-resistant vinyl film securely bonded to each side. Opaque, fire retardant, washable and stain resistant. Max. roll width: 72". Min. acceptable tensile strength: 190 lbs. warp x 180 lbs. fill. Wt. 12 oz./sq. yd. Colors available: White, Ivory, Grey, Champagne, Tan, Black, Grey/White, Putty/White, Wheat/White, Black/White, Grey/White, Forest/White, Rust/White, Chocolate/White, Burgundy/White, Navy/White.

Series SB9000 (Triopak II) has same color both sides.

Series SB9100 (Duopak) has all colors available with white exterior.

"E" Screen: PVC coated fiberglass yarn woven in a 2 x 2 basketweave. 11 oz./sq. yd., .016" thick. Flame retardant. 98" roll width. Colors available: White, White/Linen, Linen, White/Perl , Perl /Linen, Perl , Charcoal/Grey, Charcoal, Charcoal/Bronze. ME Series: Avg. 6% open. ME-10 Series: Avg. 10% open.

"M" Screen: PVC coated fiberglass in a 1 x 2 yarn weave. 12.7 oz./sq. yd., .022" thick. Flame retardant. 98" max. roll width. Colors available: White/Linen, White Pearl, Pearl Linen, Grey Lotus, Linen, Pearl, Charcoal Bronze, Charcoal, Grey Ultra, Grey Hunter Green, White, White Lotus, White Stone, Pearl Lotus, Linen Stone, Linen Ultra, Charcoal Grey, Charcoal Lotus, Charcoal Ultra, Charcoal Hunter Green. Avg. 3% and 5% open.

Flock : Fiberglass textile with acrylic backing. 14.75 oz./sq. yd., .021" thick. Opaque, flame retardant, and antistatic treated. 78" roll width. Colors available: Blanc, Sahel, Mississippi, Beige, Cuivre, Petrole, Encre, Chartreux, Loutre, Noir, Mangue, Pistache, Soleil, Seychelles, Ch ne.

Obion: Room darkening fiberglass textile with acrylic flocked backing. 10.03 oz./sq. yd., .0018" thick. Flame retardant. 78" roll width. Colors available: Blanc, Sahel, Mississippi, Chartreux.

"T" Screen: PVC coated fiberglass, 12 oz./sq. yd., .026" thick. Flame retardant rating: Meets NFPA 701 Small Scale and Large Scale. 98" roll width. T Screen 5103 avg. 3%, T Screen 5100 avg. 5%, and T Screen 5110 avg. 10% open. Colors available: Perl /Perl -Ultra, Linen/Lotus, Blanc/Stone, Blanc/Ultra, Perl /Lotus, Perl /Perl -Ultra, Perl /Perl -Hunter, Charcoal/Perl -Ultra, Charcoal/Hunter-Ultra, Charcoal/Linen- Perl , Blanc/Linen, Blanc/Linen- Perl , Linen/Perl  -Gris, Perl  / Bronze-Charcoal, Perl  /Blanc, Linen/Linen- Perl , Linen/Gris-Bronze, Charcoal/ Gris.

Nocturne II: Coated Polyester, 5 oz./sq. yd., .019" thick. Flame retardant rating: Meets NFPA 701 Small Scale and Large Scale. 72" roll width. Opaque. Colors available: White, Buff, Creme, Grey, Beige, Green, Bottle Green, Red, Burgundy, Blue, Indigo, Yellow.

XL by Hexcel: PVC coated glass yarn, 11.5 oz. per sq. yd., .18" thick. Flame Retardant rating: Meets NFPA 701 Large Scale. 98" max. roll width. Approx. 5% open. Colors available: White, White/Linen, White/Pearl, Linen, Pearl/Linen, Pearl, Charcoal/Grey, Charcoal/Bronze, Charcoal.

XL2 by Hexcel: PVC coated glass yarn, Approx. 3%, 5%, & 10% open. Flame Retardant rating: meets NFPA 701 Large Scale. 98" max. roll width. 3% open .23" thick & 13.6 oz. per sq. yd.; 5% open .23" thick & 12.7 oz. per sq. yd.; 10% open .2" thick & 11.2 oz. per sq. yd. Colors available: White, White/Linen, White/Pearl, White/Grey, White/Bronze, White/Charcoal.

CL8000 (Colony): Close woven fiberglass base textile with sun-resistant vinyl film securely bonded to each side. Suitable for room darkening, fire retardant, washable and stain resistant. 90% opaque. All slat hems must be of same color as rest of shade, both inside and out. Fabric White on outside (Beige available). Roll width 72" (Cobalt 54" roll width). Colors available: White/White, Putty/White, Champagne/White, Wheat/White, Beige/White, Dove Grey/White, Cobalt/White, Navy/White, Forest/White, Chocolate/White, Burgundy/White, Black/White.

Optional Projection Screen Surface:

Matt white: Vinyl reflective surface laminated to woven textile base. Gain: 1.1. Viewing cone: 180°. Flame and mildew resistant, and securely attached to roller and dowel.

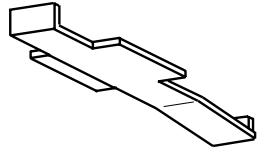
Glass beaded: Microscopic spherical glass beads embedded in matt white base material. Gain: 2.5. Viewing Cone: 90°. Not for use with ceiling or floor mounted projectors. Flame and mildew resistant.

Installation Addendum and Parts List

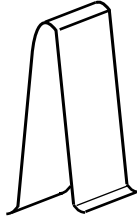
Access Dual Roller FlexShade System by Draper

Please Note: Your Access Dual Roller FlexShade may not contain all of the parts listed below. This document is meant as a general guide to aid in the identification of parts you do receive.

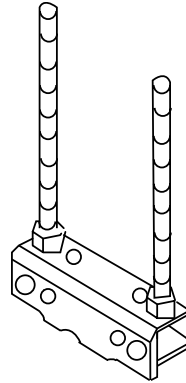
Parts Available for all Access Dual Roller FlexShades



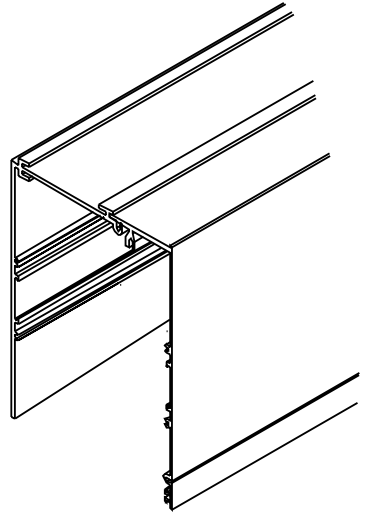
Bottom Closure Retainer Spring



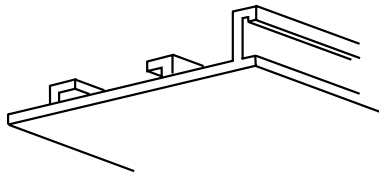
Anti-Snag Spring



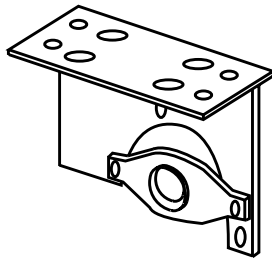
Suspended Mount Sliding Bracket



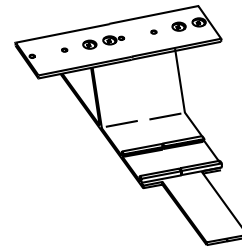
Headbox



Bottom Closure

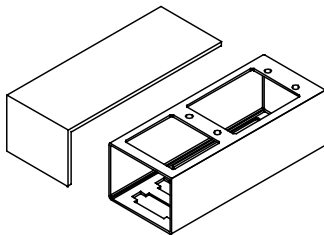


Coupler Roller Bracket

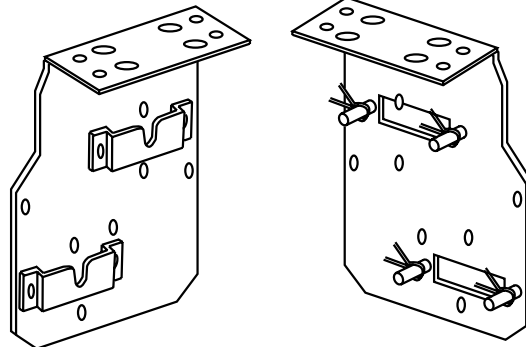


Bottom Closure Center Bracket for Multiple Rollers in Front or Back (Motorized shown, typ. of others)

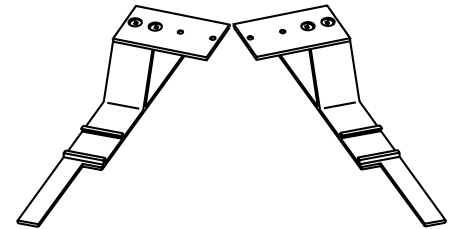
Parts for Motorized Access Dual Roller FlexShades



J-Box (with Cover)



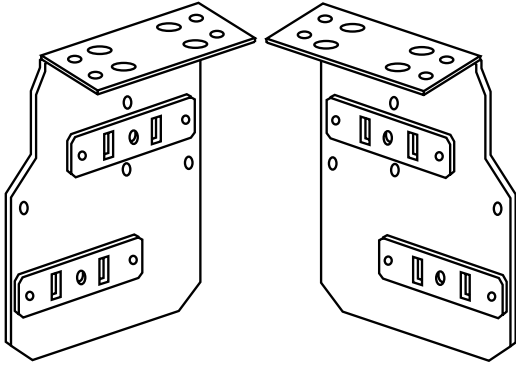
Motorized Operator Brackets



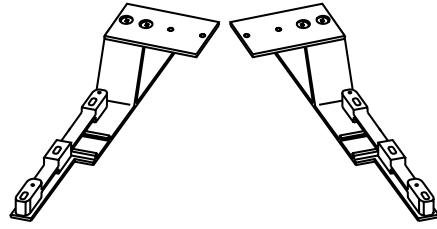
Bottom Closure End Brackets

DRAPER

Parts for Clutch-Operated Access Dual Roller FlexShades

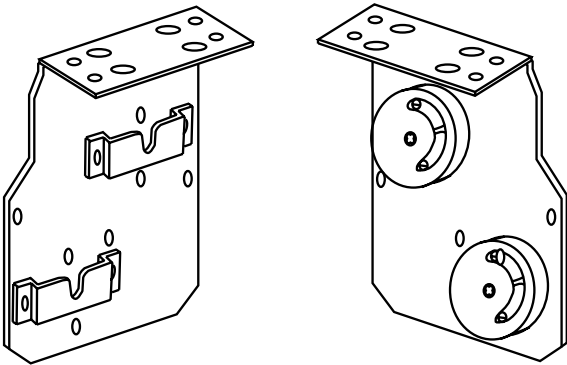


Bead Chain Operator Brackets

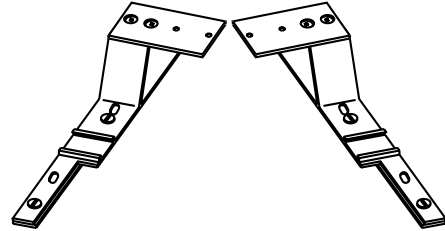


Bottom Closure End Brackets

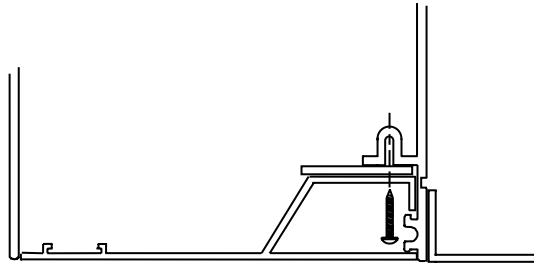
Parts for Crank-Operated Access Dual Roller FlexShades



Crank Operator Brackets



Bottom Closure End Brackets

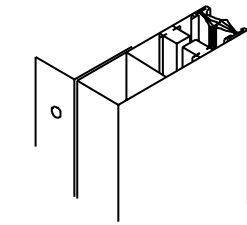


Dual Roller Headbox End Bracket—Side View
(Motorized shown, typ. of others)

Parts for Access Dual Roller FlexShades with Side/Sill Channels



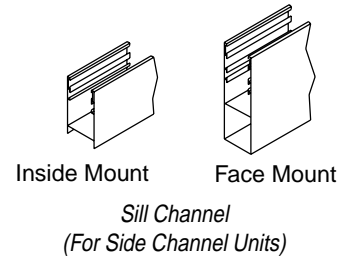
Channel Locator
(For Side Channel Units)



Side Channel
(For Side Channel Units)



Fabric Guide
(For Side Channel Units)



Inside Mount Face Mount
Sill Channel
(For Side Channel Units)

If you encounter any difficulties installing or servicing your Access Dual Roller FlexShade System, call your dealer or Draper, Inc., Spiceland, Ind., (765) 987-7999, fax (765) 987-7142, or e-mail draper@draperinc.com.