



MANUAL Clutch-Operated FlexShade®

SMOOTH, QUIET OPERATION, PLUS INDEPENDENT CONTROL



- The Clutch-Operated FlexShade® offers an institutional-grade window shade with smooth, quiet operation, plus independent control. These shades provide ease of use, longevity, and low maintenance for commercial, healthcare, and educational facilities.

FEATURES

- Universal mounting brackets and spring-loaded idler end provide ease of installation.
- Bead chain clutch operator mounted right- (standard) or left-hand operation.
- Clutch available in white (standard) or black.
- Stainless steel bead chain (standard).
- Hardware choices include universal brackets, endcaps with fascia, ceiling/wall or pocket style headbox.
- Small or large hardware options available.
- Dual roller hardware components include: Dual Roller Endcaps, Dual Roller Fascia, and Dual Roller Pocket Headbox. Options may vary by product type. See technical documents for details.
- Dual Roller Fascia finish choices: clear anodized (standard), black, white, ivory, or charcoal bronze. Custom powder coat colors available.

- Dual Roller Pocket Headbox finish choices: grey inside/white outside or white inside/grey outside with a white wall clip.
- Clutch-operated products can be ANSI/WCMA A100.1 compliant for areas where small children are present.
- Product designed for interior use.

OPTIONS

- Optional white or black universal mounting brackets to match clutch color available.
- Optional Spring Lift Assist is available for ease-of-operation.
- Polyester chain available in white, black, brown, grey, or ivory at no extra charge.
- Hardware finish choices: clear anodized (standard), black, white, ivory, or charcoal bronze. Custom powder coat colors available.

SIZES

- Available in sizes up to 12' wide x 12' high (366 cm x 366 cm), depending on fabric selection. Optional dual rollers available upon request.



Clutch-Operated FlexShade®

Specifications

EQUIPMENT

BEAD CHAIN CLUTCH OPERATOR: DuPont™ Zytel® nylon resin (glass fiber reinforced), black or white. 20 lb (9.1kg) standard. 24 lb (10.9kg) as necessary. BI-directional for mounting at either end of roller. Control loop, of any length, is a plastic or stainless steel bead chain (standard). Plastic chain in ivory, grey, or black. Never needs adjusting. Patent pending.

OPERATOR LOCATION: Right hand standard, left hand available.

OPTIONAL SPRING-ASSIST BEAD CHAIN CLUTCH: Adjustment-free system includes spring-assist components to reduce lifting forces required to raise the shade. Manufacturer shall provide estimated torque for shade unit. Spring-assist is recommended on estimated non-spring-assist torque above 6 lb-in; required on shades with an estimated torque higher than 15 lb-in.

COMPONENTS

ROLLERS: Sizes 1 1/2" (38mm) dia. with .065 wall, 2" (51mm) dia. with .080 wall, up to 3.12" (79.23mm) dia. with .095 wall, in steel or extruded aluminum. Roller assembly easily removable without removal of mounting hardware.

UNIVERSAL MOUNTING BRACKETS: 1018 plated steel stamping. Sizes 1 5/8" (41mm) and 2 1/4" (57mm). Mount to face, ceiling, or jamb. Brackets do not require additional adapters. Powder coated white or black to match selected clutch color.

ROLLER IDLER ASSEMBLY: Fiberglass reinforced polyester thermopolymer (PBT), with spring-loaded pin to interlock with mounting bracket.

FABRIC ATTACHMENT: Fabric connected to the roller tube with LSE (low surface energy) double sided adhesive specifically developed to attach coated textiles to metal.

HEM BAR: Closed Pocket Elliptical Slat: 1" (25mm) aluminum elliptical slat inside of a 1 5/8" (30mm) heat sealed pocket. Open Pocket Elliptical Slat: 1" (25mm) aluminum elliptical slat with plastic ends inside of a 1 5/8" (30mm) heat sealed pocket. Flat Exposed Hem Bar: Small: 7/8" x 3/4" (22x19mm) Large: 1 1/2" x 3/4" (38x19mm) aluminum rectangular with plastic end caps. Round Exposed Hem Bar: Small: 3/4" (19mm) Large: 1 1/4" (30mm) aluminum with plastic end caps. Exposed hem bars powder coated in black, bronze, ivory, white, or clear anodized.

ENDCAPS: 1018 steel stamping. 2 sizes: 3 1/2" x 3 3/4" (89x95mm) and 4 1/2" x 4 1/2" (114x114mm). Complete with adapter roller bracket. Installs to face, ceiling, or jamb. Accepts box covers and fabric guide.

ENDCAP COVERS: Plastic covers snap onto endcaps. Available in silver, ivory, bronze, black, or white to match fascia.

FASCIA: "L" cover of extruded aluminum, .060 (1.5mm) wall. Fascia snaps onto endcaps without exposed fasteners. Clear Anodized (standard), black, white, ivory, or bronze powder coat finish available. Custom powder coat colors available. Continuous fascia available with side-by-side units.

SURFACE HEADBOX: Consists of fascia, "L" shaped back/top cover of extruded aluminum.. Endcaps slide into extrusion without exposed fasteners.

POCKET HEADBOX: For pocket installation, includes a "U" shaped extruded aluminum back/top/front cover with removable bottom closure panel.

SMALL HEADBOX SIZE: 3 7/8" x 3 15/16" (87x100mm).

LARGE HEADBOX SIZE: 4 11/16" x 4 11/16" (119x119mm). Some exposed fasteners required.

TYPE "D" POCKET: Type "D" Shade Pocket, extruded aluminum, for perimeter installation. Accepts FlexShades installed with ceiling brackets. Finished in white paint. 5" x 5 3/8" x .125" (127x136x3mm) with 7/8" (22mm) tile support lip & removable bottom closure.

LIGHT GAP REDUCTION HARDWARE: Extruded aluminum. Accepts edges of fabric, prevents light gaps. Interior of channel provides for use of flat head screws. Available with or without lining.

"L" ANGLE: 3/4" x 1" x 12'3" (1.9x2.5x373cm); 1" x 2 3/4" x 16' (2.5x7x488cm) or cut to length.

"U" CHANNEL: 1" x 2 1/2" x 16' (2.5x6.4x488cm) or cut to length.

"H" CHANNEL: 1" x 5" x 16' (2.5x12.7x488cm) or cut to length.

VINYL "L" ANGLE: 1 1/2" x 3/4" x 8' (3.81x1.9x243.84cm) stock length only. Installed using adhesive.

INTERIOR CABLE GUIDE KIT: Includes slat, slat weight, slat endcaps, and cable guide. Slat/hem bar is a 3/8" (16mm) round bar for use in a 1-3/8" (41mm) open-ended hem pocket.

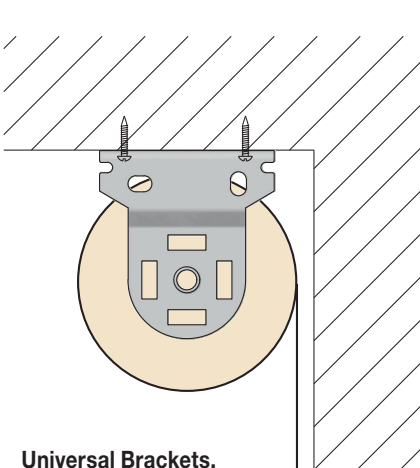
Zytel® is a registered trademark of E. I. du Pont de Nemours & Company. DuPont™ is a trademark of E. I. du Pont de Nemours & Company.

DOWNLOADABLE 3-PART SPECIFICATIONS: available at www.draperinc.com.

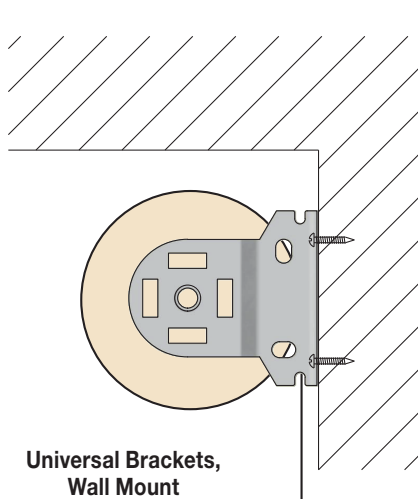
Please note: Dimensions of rollers, operators and hardware at manufacturer's discretion.

Mounting Hardware Selections

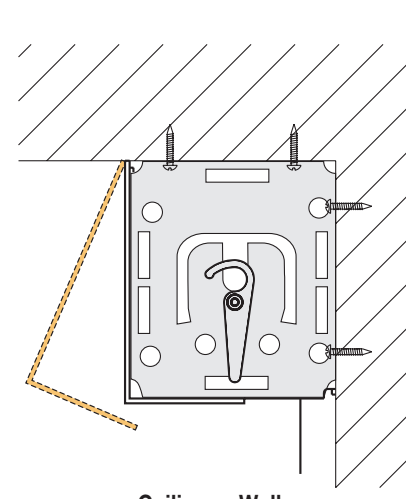
Please Note: Endcaps have the only attachment points for mounting a manual FlexShade. Optional fascia and headbox have a thickness of 1/8" (1.6mm).



Universal Brackets,
Ceiling Mount



Universal Brackets,
Wall Mount



Ceiling or Wall
Mounting Endcaps
with Optional Fascia



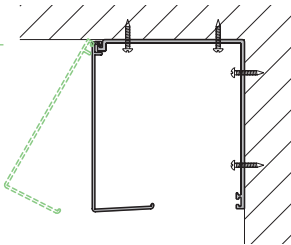
Clutch-Operated FlexShade®

Headbox Installation Options

Surface Headbox

Consists of:

- Fascia
- Back/Top Cover
- Ceiling/Wall Endcaps



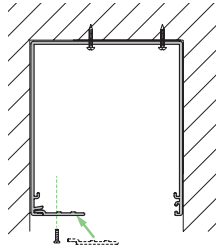
Pocket Style Headbox

Consists of:

- Extruded Pocket
- Bottom Closure Panel
- Ceiling/Wall Endcaps

SMALL SIZE: 3 ⁷/₁₆" x 3 ¹⁵/₁₆"
(87mm x 100mm)

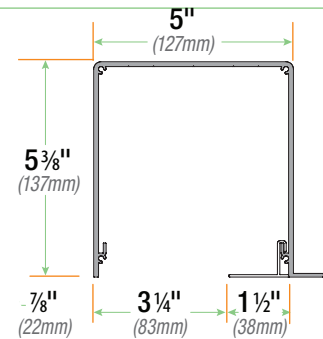
LARGE SIZE: 4 ¹¹/₁₆" x 4 ¹¹/₁₆"
(119mm x 119mm)



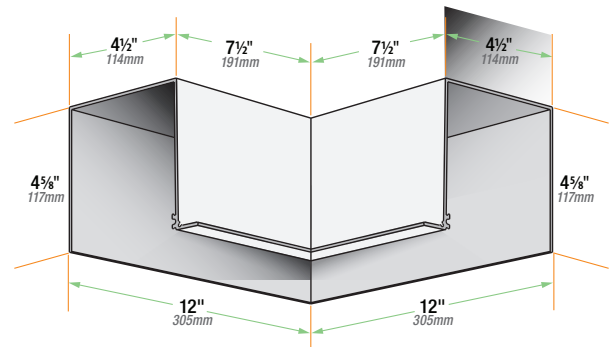
Type D Pocket

Consists of:

- Extruded aluminum pocket
- A lip supports lay-in ceiling
- Pre-welded corners and ends available
- Ends with or without tile support lip

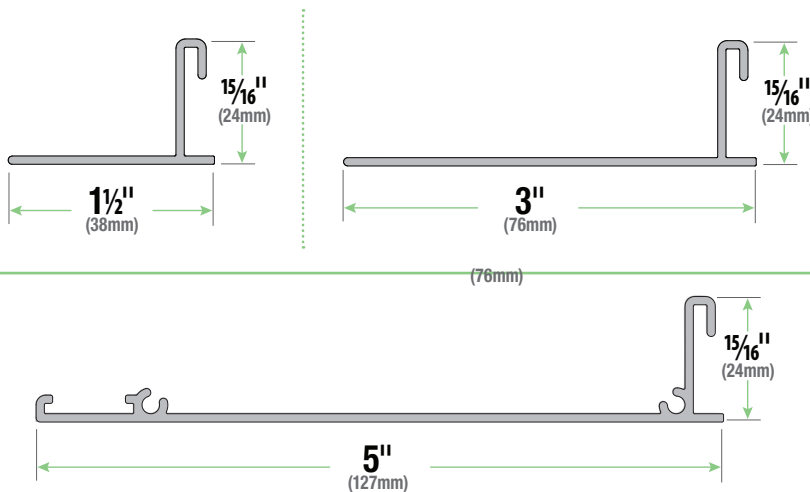


Typical pre-welded
corner section
(not to scale)



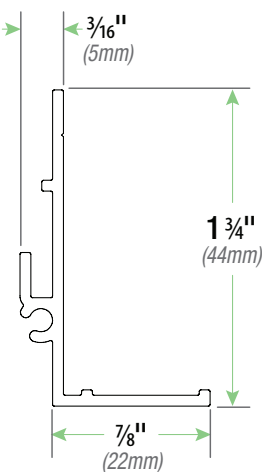
Wall Clip and Closure Options

Closure Options

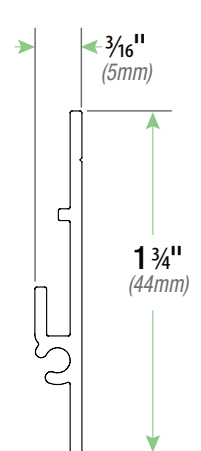


Wall Clip Options

With Tile Lip

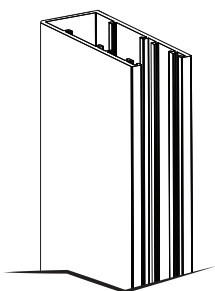


Without Tile Lip

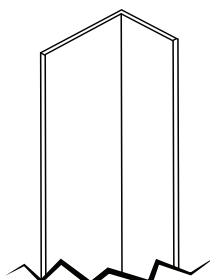


Light Gap Reduction Hardware

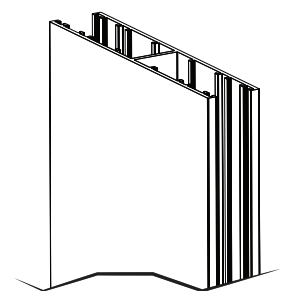
"U" Channel



"L" Angle



"H" Channel





Clutch-Operated FlexShade®

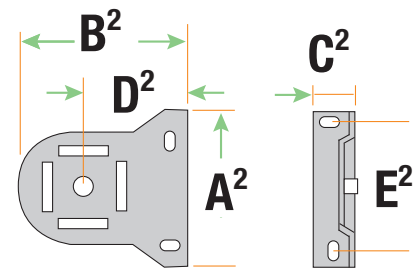
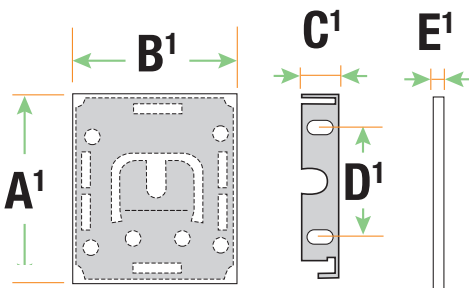
Dimensions



Cloth width with brackets = Overall width - 1 3/8" (35mm)
Cloth width with end caps = Overall width - 1 5/8" (41mm)

Please Note:

- Shade Overall Width includes plastic endcap covers.
- Pair of small endcap covers adds 1/8" (3.2mm) to Overall Width.
- Pair of large endcap covers adds 3/16" (4.8mm) to Overall Width.



HEADBOX WITH ENDCAPS				
	SMALL		LARGE	
A ¹	3 1/16"	100mm	4 1/16"	119mm
B ¹	3 7/16"	87mm	4 1/16"	119mm
C ¹	5/8"	16mm	5/8"	16mm
D ¹	2"	51mm	3 1/4"	83mm
E ¹	1/16"	1.6mm	3/32"	2.4mm
F ¹	1 3/16"	30mm	1 9/16"	40mm

ENDCAPS WITH FASCIA				
	SMALL		LARGE	
A ¹	3 7/8"	98mm	4 5/8"	117mm
B ¹	3 3/8"	86mm	4 5/8"	117mm
C ¹	5/8"	16mm	5/8"	16mm
D ¹	2"	51mm	3 1/4"	83mm
E ¹	1/16"	1.6mm	3/32"	2.4mm
F ¹	1 3/16"	30mm	1 9/16"	40mm

BRACKETS				
	SMALL		LARGE	
A ²	2 3/16"	56mm	2 3/16"	56mm
B ²	2 3/8"	60mm	3"	76mm
C ²	1 1/16"	27mm	1 1/16"	27mm
D ²	1 5/8"	41mm	2 1/4"	57mm
E ²	1 1/4"	32mm	1 3/4"	44mm
F ²	NA	NA	NA	NA

Shade Overall Width includes plastic endcap covers.

Pair of small endcap covers adds 1/8" (3.2mm) to Overall Width.

Pair of large endcap covers adds 3/16" (4.8mm) to Overall Width.

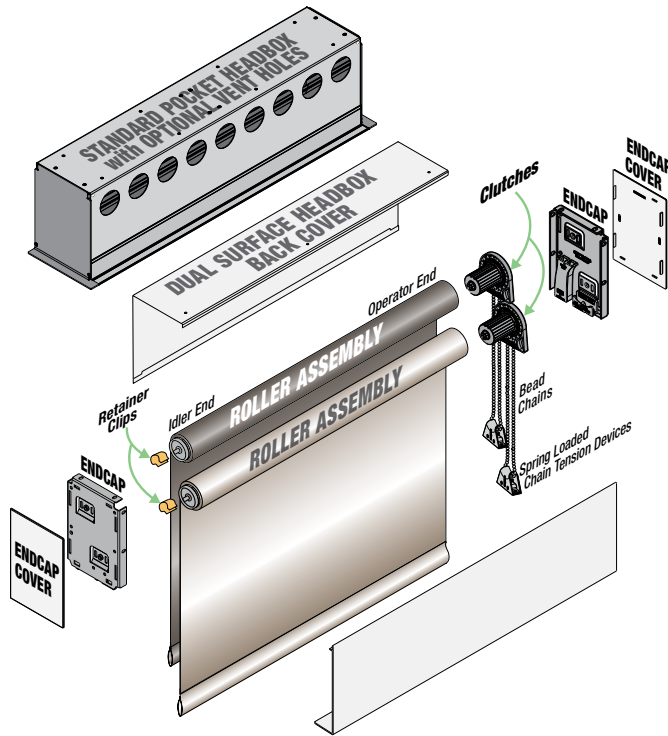
Above dimensions based upon 20 lb clutch and 1 1/2" (38mm) diameter roller.

Small brackets are supplied with 20 lb clutch. Large bracket optionally available at Draper's discretion. For 24 lb clutch,



Dual Roller Clutch-Operated FlexShade®

Dual Roller Clutch-Operated Components



DUAL ROLLER CLUTCH-OPERATED FLEXSHADE SPECIFICATIONS:
Two rollers mounted to a single set of endcaps, to accept fascia.

COMPONENTS SPECIFIC TO DUAL ROLLER CLUTCH-OPERATED DUAL ROLLER

ENDCAPS: 1028 steel stamping. Complete with adapter roller bracket. Installs to wall or ceiling. Shades mount in vertical configuration (see drawings). Accepts Dual Roller Fascia.

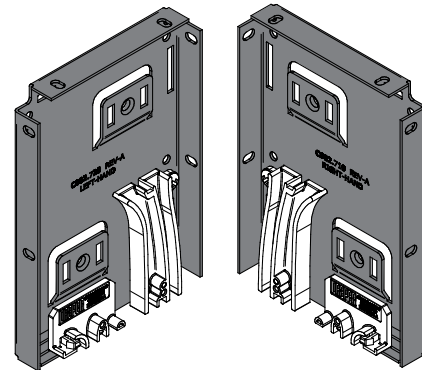
DUAL FASCIA (FOR ENDCAPS): L-shaped cover of extruded aluminum, .060" (1.5mm) wall. Assembly snaps onto endcaps without exposed fasteners. Clear Anodized (standard), black, white, ivory, or bronze powder coat finish available.

DUAL ROLLER POCKET STYLE HEADBOX: Headbox of 18 GA Steel, painted white on bottom and front. With or without aluminum ceiling tile lip. Removable aluminum bottom closure attaches without exposed fasteners. Available in stock lengths for installation ahead of shades and screen.

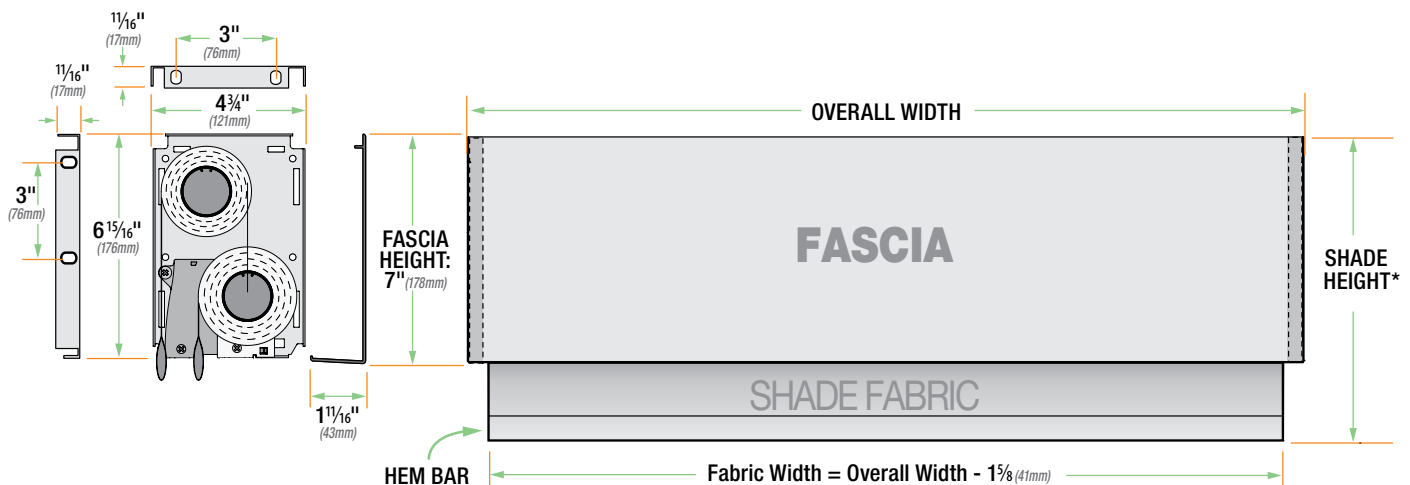
Downloadable 3-part specifications are available at www.draperinc.com.

Please note: Dimensions of rollers, operators, and hardware at manufacturer's discretion.

DUAL ROLLER CLUTCH-OPERATED ENDCAPS



Dual Roller Clutch-Operated Endcap & Fascia Dimensions



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



Dual Roller Clutch-Operated FlexShade®

Dual Roller Clutch-Operated Pocket Headbox Dimensions

