

Clutch-Operated FlexShade®

Window shade with smooth, quiet operation, and independent control

SUBMITTAL TECHNICAL INFO

Please check all appropriate selections and attach room schedule with verified dimensions.

Select Number of Shades per Unit

- Single Roller (Standard)
- Dual Roller (Supplemental Fabric & Hardware Sheet Required)

Please Note: If you are specifying a Dual Roller FlexShade, complete the options BELOW and attach [Motorized Dual Roller Fabric and Hardware Planning Sheet](#).

Select Clutch Location

As seen from **INSIDE** the room facing the window.
Also indicate on room schedule.

- Right (standard)
- Left

Select Clutch Color

- White (standard)
- Black

Optional Spring Assist

- Spring Assist per manufacturer's standards (as required based on fabric weight)
- Spring Assist on all units (Minimum Shade width 48")
- Spring Assist as indicated on room schedule

Select Bead Chain Type

- Steel Chain
 - Stainless Steel (standard)
 - Black Steel
 - White Steel
- Polyester Chain
 - Black
 - Bronze
 - White
 - Ivory
 - Grey

Select Cord Tension Device

- 'P'-Clip Cord Tension Device (standard)
- WCMA Compliant Spring Loaded Cord Tension Device (see Child Safety Information, below)

Select Fabric Orientation

- Regular Roll (from back of roller)
- Reverse Roll (from front of roller)

Select Hem Bar Style

- Closed Pocket - 1" Elliptical Slat (standard)
- Open Pocket - 1" Elliptical Slat
- Small Flat Exposed Hem Bar
- Large Flat Exposed Hem Bar
- Round Exposed Hem Bar
- 13/16" Tube
- 5/8" Tube
- Interior Cable Guide Hembar
- None

Single Roller Shade Options

Fabric Series: _____
 Color Name / Number: _____
 Openness Factor: _____

Please see Draper's [Fabric Options](#) page for fabric colors and specifications.

Select Single Roller Hardware

- Universal Brackets (Ceiling / Wall / Inside / Outside)
- Endcaps Only
- Endcaps with Fascia

Headbox

- Ceiling / Wall (Surface Headbox)
- Pocket Style
- Type "D" Pocket with Tile Lip (White only; not compatible with 3" roller)
- Custom Headbox

Wall Clip

- With Ceiling Tile Lip
- Without Ceiling Tile Lip

Closure Panel for Type "D" Pocket or Wall Clip

- 1 1/2" (recommended)
- 3"
- 5" (For Wall Clip and Custom Headbox Only)

"L", "U" or "H" Channels for Light Gap Reduction

- Aluminum 'L' Angle
- Vinyl 'L' Angle
- Aluminum 'U' Channel
- Channel Liners
- Aluminum 'H' Channel

Select Hardware Finish (does not apply to Type "D" Headbox)

- Clear Anodized (standard)
- Ivory
- Black
- Bronze
- White
- Custom (Contact Draper)

Available Sizes:

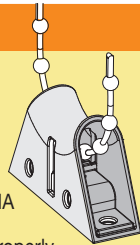
WIDTH:	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'
HEIGHT													
2'													
3'													
4'													
5'													
6'													
7'													
8'													
9'													
10'													
11'													
12'													
13'													
14'													

* Sizes requiring large endcaps/brackets will vary according to fabric.

- Small endcaps/brackets and 2" roller are recommended.
- Large endcaps/brackets and 3" roller may be required.

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 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. When properly installed, tension device prevents creation of a hazardous loop by maintaining tension on bead chain. If not installed properly, shade is partially inoperable.

For more information, please see Draper's ANSI/WCMA A100.1-2018 compliance page: www.draperinc.com/windowshades/wcma-compliance.aspx



Draper, Inc. | 411 S. Pearl St. Spiceland, IN 47385
 draperinc.com | 765.987.7999 | 800.238.7999

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PROJECT: _____

ARCHITECT: _____

CONTRACTOR: _____

SUPPLIER: _____

DATE: _____ REVISED: _____

Clutch-Operated FlexShade®

Specifications

EQUIPMENT

BEAD CHAIN CLUTCH OPERATOR: DuPont™ Zytel® nylon resin (glass fiber reinforced), black or white. 20 lb. lifting capacity standard. 24 lb. lifting capacity 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. Right hand location standard, left hand available. Patent pending.

OPTIONAL SPRING-ASSIST BEAD CHAIN CLUTCH: Adjustment-free system shall be comprised of various components including a modified clutch and spring assist components. The clutch portion shall be comprised of multi-banded steel springs that create the pressure necessary to keep the shade in the desired position. All plastic components to be made of injected molded parts. All plastic clutch components to be made of glass reinforced polyester thermopolymer (PBT) conforming to military specification MIL M-24519. The clutch shall develop no more than 1/2 pound drag for easy lift. The Spring Assist assembly components shall be constructed from following materials: **1/4" INCH SQUARE ROD:** 6061 Aluminum. **ROD RETAINER:** Acetal plastic such as Delrin 500. Coiled Steel Spring Pin. **ENDCAP:** Polyester based plastic such as GE Valox 420 or equal quality. **SLEEVE:** Low density polyethylene. **ACTUATOR:** Polyester based plastic such as GE Valox 420 or equal quality. **SPRING:** ASTM A 228 Stress Relieved High Carbon Steel. There shall be separate springs assist assemblies; one for left-hand control and one for right-hand control in two lengths each to accommodate a wide range of shade weight options. The system to be adaptable for left or right hand installation and can be adapted for either standard or reverse roll shades. The system shall require utilization of proprietary computer software to calculate appropriate spring size, tube diameter and pre-rotation tension. Utilizing proprietary computer software, the Spring Assist assembly shall ensure even lift and lowering forces of approximately 6 lbs or less on any weight fully assembled shade up to the maximum shade weight of 30 lbs.

END PLUG: End plug to consist of an outside sleeve rotating freely on a center shaft, providing the bearing surfaces on which the roller rides. Outside sleeve and center shaft to be made of heat stabilized fiber reinforced plastic to ensure smooth, wear resistant operation.

COMPONENTS

ROLLERS: Sizes 1 1/2" (38mm) dia. with .065 wall, 2" (51mm) dia. with .080 wall, or 3.12" (79.23 mm) 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.

HEM BAR: Closed Pocket Elliptical Slot: 1" (25mm) aluminum elliptical slot inside of a 1 5/8" (30mm) heat sealed pocket. **Open Pocket Elliptical Slot:** 1" (25mm) aluminum elliptical slot with plastic ends inside of a 1 5/8" (30mm) heat sealed pocket. **Flat Exposed Hem Bar: Small:** 7/8" x 5/16" (22x8mm) **Large:** 1 1/2" x 5/16" (38x8mm) aluminum rectangular with plastic end caps. **Round Exposed Hem Bar: Small:** 5/8" (16mm) **Large:** 1 3/16" (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" and 4 1/2" x 4 1/2". 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. Continuous fascia available with coupled units.

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

POCKET HEADBOX: Optional, for pocket installation, includes a "U" shaped back/top cover with removable bottom closure panel.

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

LARGE 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 7/8" 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" (2.5x76x488cm) 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 3/4" x 8' (3.81x1.9x243.84cm) stock length only. Installed using adhesive.

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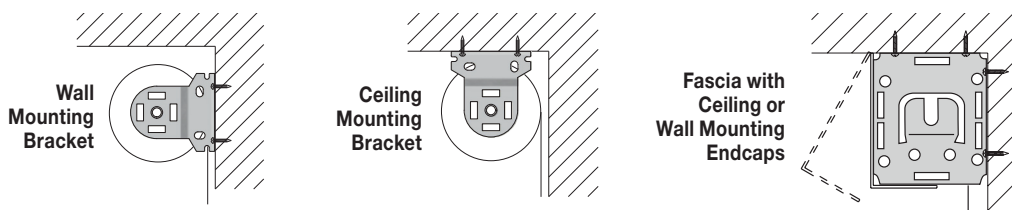
PATENT INFORMATION: available at <http://www.draperinc.com/legal/patents/>

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

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

Hardware Selections

Please Note: Brackets and endcaps have the attachment points for mounting a Motorized FlexShade. Optional fascia and headbox have a thickness of 1/16" (1.5mm).

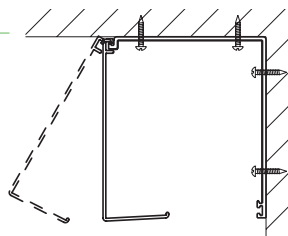


Headbox Installation Options

Surface Headbox

Consists of:

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

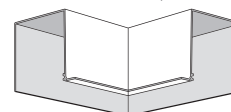


Type D Pocket

Consists of:

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

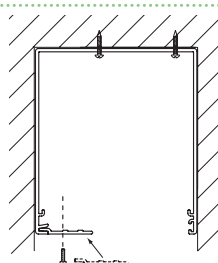
Typical pre-welded corner section (not to scale)



Pocket Style Headbox

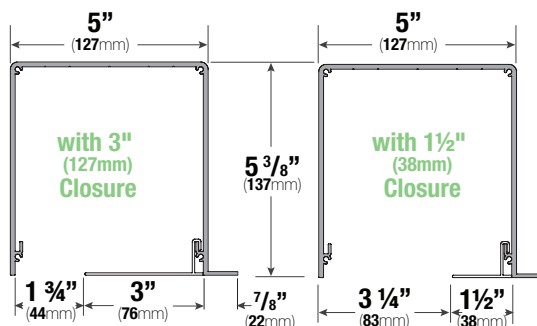
Consists of:

- Extruded pocket
- Bottom closure panel
- Ceiling/Wall Endcaps



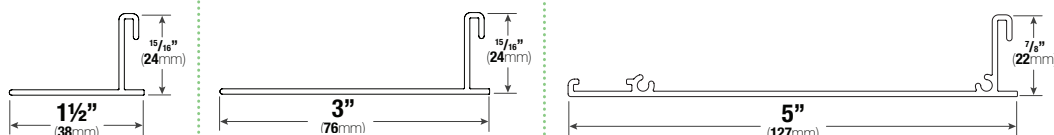
SMALL: 3 15/16" x 3 7/16" (100x87mm)

LARGE: 4 11/16" x 4 11/16" (119x119mm)

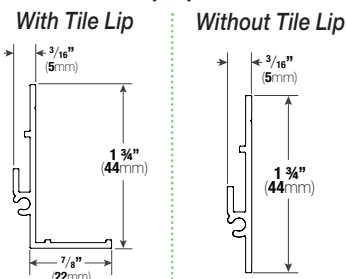


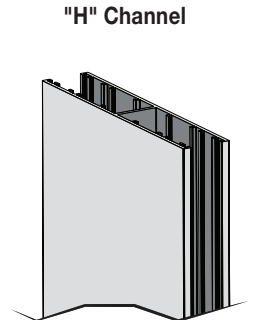
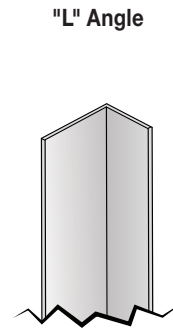
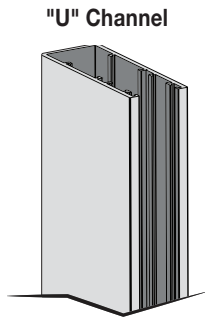
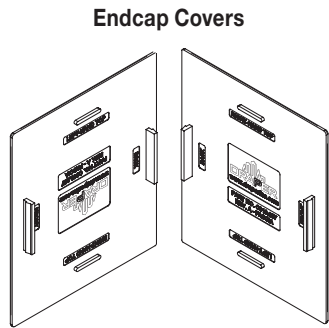
Closure & Wall Clip Options

Closure Options

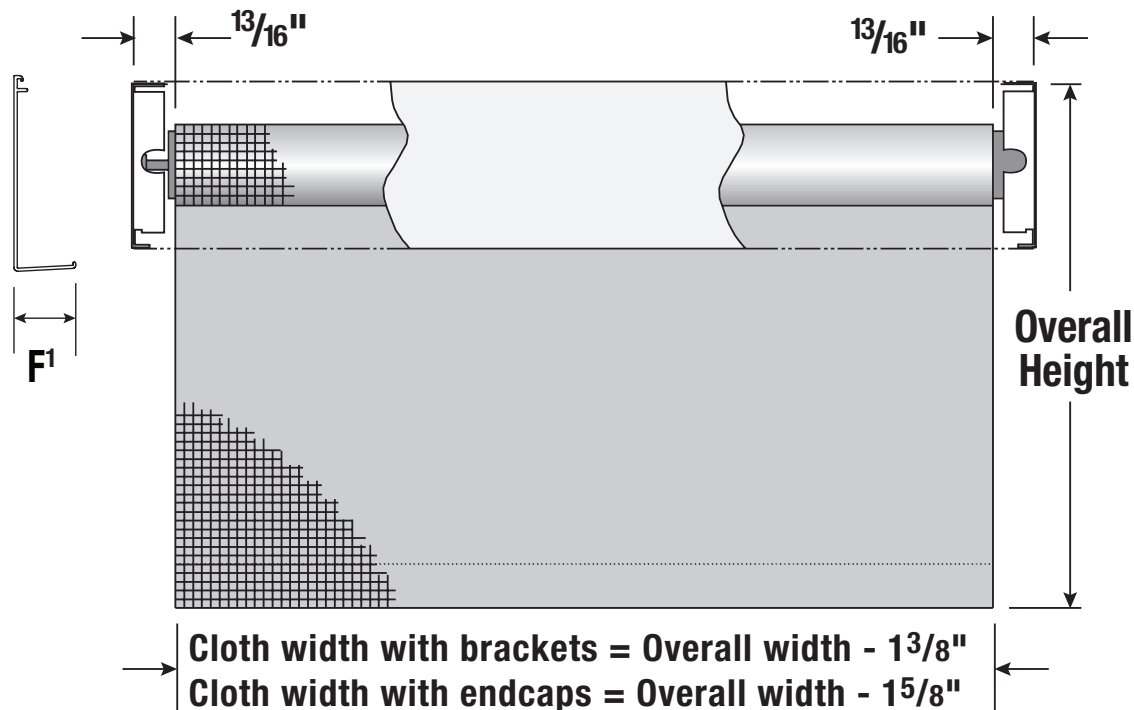


Wall Clip Options



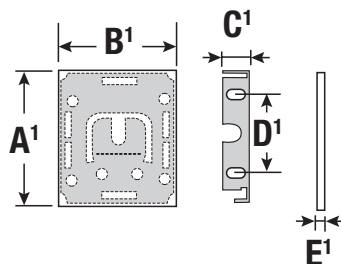


Clutch Operated FlexShade Dimensions

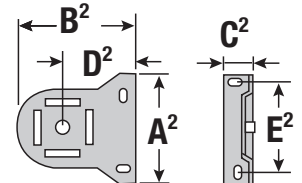


Please Note: Product Overall Width includes plastic endcap covers. Pair adds 1/8" to Overall Width.

	Headbox with Endcaps		Fascia with Endcaps	
	Small	Large	Small	Large
A ¹	3 15/16"	4 11/16"	3 7/8"	4 5/8"
B ¹	3 7/16"	4 11/16"	3 3/8"	4 5/8"
C ¹	5/8"	5/8"	5/8"	5/8"
D ¹	2"	3 1/4"	2"	3 1/4"
E ¹	1/16"	3/32"	1/16"	3/32"
F ¹	1 3/16"	1 9/16"	1 3/16"	1 9/16"



	Brackets*	
	Small	Large
A ²	2 3/16"	2 3/16"
B ²	2 3/8"	3"
C ²	1 1/16"	1 1/16"
D ²	1 5/8"	2 1/4"
E ²	1 3/4"	1 3/4"
F ²	N/A	N/A



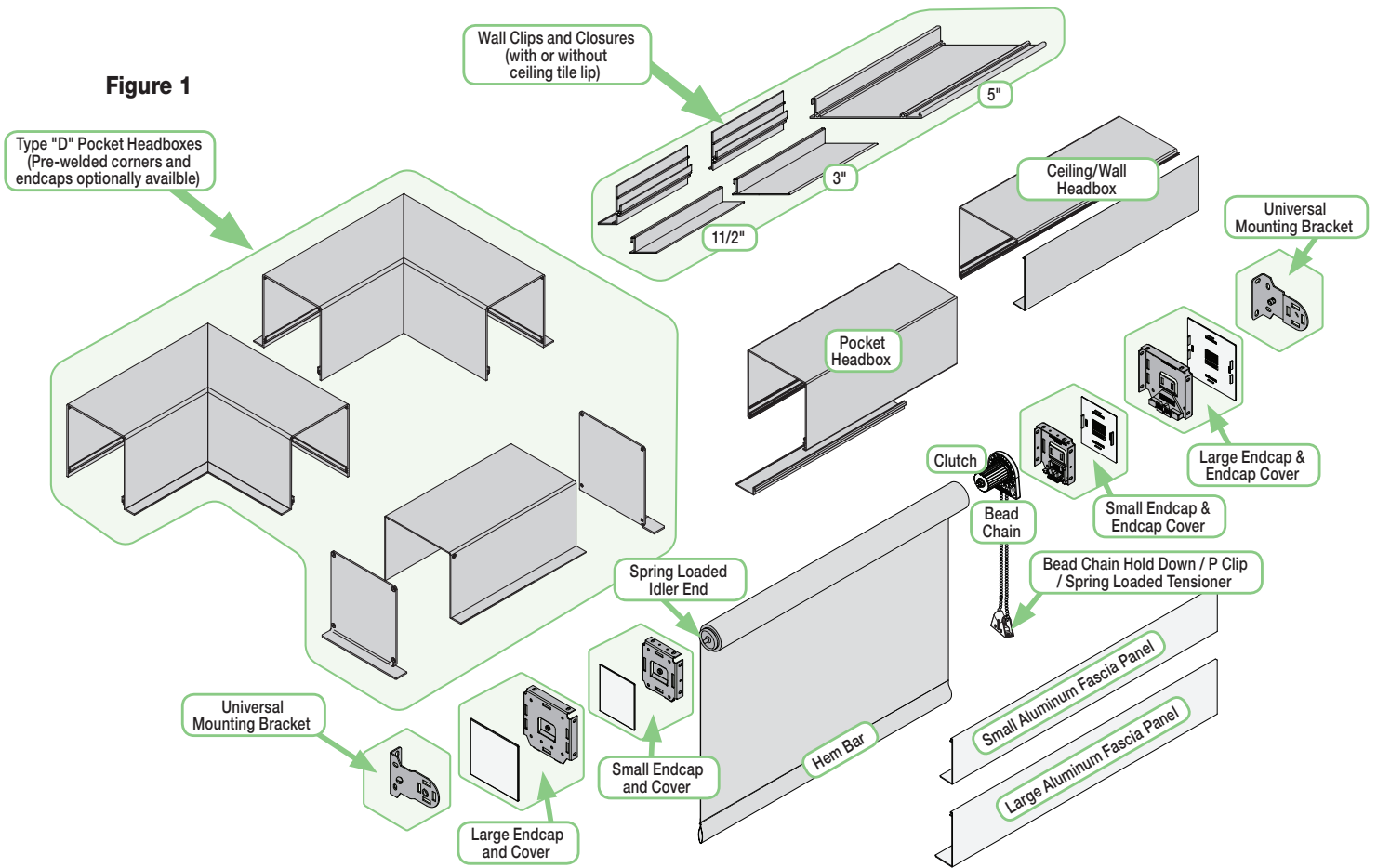
(Fascia Overall Width includes plastic endcap covers)

(Pair adds 1/8" to Overall Width)

Above dimensions based upon 20 lb. clutch and 1/2" diameter roller.

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

Clutch FlexShade Components



Please Note: If you are specifying a Dual Roller FlexShade, please complete the options on page 1 and attach the [Dual Roller Clutch Operated Fabric and Hardware Planning Sheet](#).