

Product Specification: Chain Operated Clutch Roller Shade System

Jordan Taylor Designer Shades by Jordan Taylor

Chain Operated Clutch Roller Shades

SECTION 12492

PART I - GENERAL

1.01 Scope

- A. Furnish and install Jordan Taylor roller shades provided by Jordan Taylor
- B. Related work specified elsewhere.

1.02 Quality Assurance

- A. Installer qualifications:
 - 1. The installer shall be a firm approved by Jordan Taylor.
 - 2. The installer shall be qualified to install the product specified, as demonstrated by prior experience.
- B. Job mock-up: (Describe)

1.03 Submittals

- A. Product information: Submit Jordan Taylor product literature and installation instructions.
- B. Shop drawings: Indicate field-measured dimensions of opening which are to receive roller shades, details on mounting surface and sill conditions, and details of corners and conditions between adjacent roller shades.
- C. Color samples: Submit a sample of each type and color of material specified.

1.04 Delivery, Storage, and Handling

- A. Packing and shipping:
 - 1. Materials shall be delivered to the Project in Jordan Taylor's original unopened packaging with labels intact.
- B. Storage:
 - 1. Materials shall be stored in a clean area, which is free of corrosive fumes, dust, and away from construction activities.
 - 2. Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about or upon containers.
 - 3. Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.05 Project/Site Conditions (Before Product Installation Begins)

- A. Roof must be tight, windows and frames installed and glazed, and interior doors hung.
- B. Wet work including concrete, masonry, plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.
- C. Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.
- D. Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.
- E. Flooring materials such as carpet, tile, etc. must be completed.

1.06 Warranty

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- A. Lifetime limited warranty: Jordan Taylor shall repair or replace for the ten year expected life of the roller shade, at its option, without charge, any part found defective in workmanship or material as long as the roller shade remains in the same window for which it was purchased.

PART II - PRODUCTS

2.01 Manufacturer and Product Description

- A. Acceptable product: Jordan Taylor's chain operated clutch roller shades manufactured by Jordan Taylor
- B. Materials:
 - 1. Fabric: Selected from Roller Shade Shop Collection
 - 2. Clutch Mechanism: Shall be made in corrosion resistant material and internal mechanisms of Nylon 6 construction. Shall also consist of a heavy duty single spring that creates a positive mechanical relationship between the roller shade tube unit and the universal installation brackets to ensure stationary positioning in the static state. When activated the wrap spring releases and permits the clutch to turn while reducing friction on the clutch.
 - a. Clutch End Locking System: The clutch shall have a patented, "Safety-First" locking system which prevents the shade from coming out of its brackets if the shade is operated incorrectly.
 - b. Spring Loaded Idle End Cap: The idle end of clutch shall be spring loaded for ease of installation and security of fixing.
 - 3. Tube Mechanism: All tubes shall be 100% extruded aluminum with a wall thickness 0.062". Four tube extrusions shall be used depending upon the size of the shade and the weight of the fabric selected. Each tube shall have at least one Secure Grip Spline fabric fixing slot to increase the rigidity of the tube and thus enabling shades to span wider openings without the risk of the tube sagging when the shade is operated.
 - a. 1 1/4" Tube: Shall have an outside diameter of 1 1/4" and shall be extruded with one slot for increased strengthening and fabric attachment using the Secure Grip Spline Method.
 - b. 1 1/2" Tube: Shall have an outside diameter of 1 5/8" and shall be extruded with two slots for increased strengthening and fabric attachment using the Secure Grip Spline Method.
 - c. 1 3/4" Tube: Shall have an outside diameter of 1 3/4" and shall be extruded with three slots for increased strengthening and fabric attachment using the Secure Grip Spline Method.
 - d. 2" Tube: Shall have an outside diameter of 2.30" and shall be extruded with six slots for increased strengthening and fabric attachment using the Secure Grip Spline Method.
 - 4. Secure Grip Spline Mounting System: Shall be a flexible PVC extrusion to be RF welded to the shade fabric. The spline shall be inserted into a slot on the extruded aluminum tube.
 - a. Secure Grip Spline shall allow fabric to be easily removed and re-installed on the roller shade tube.
 - 5. Hembar Options:
 - a. Pocket Bottomweight: Shall be an aluminum extrusion 1" in height held inside a fabric bottom-pocket. The bottom-pocket shall be created by folding a 1 1/4" section of fabric behind the bottom of the shade and RF welding the fabric to itself. After the aluminum weight is inserted into the bottom-pocket the edges will be sealed by again RF welding the fabric edges to itself.
 - b. Wrapped Hembar: Shall consist of an aluminum extruded piece to which the bottom of the shade fabric is attached with a mylar spline system. End caps will be set to the open ends of the wrapped hembar securing the fabric in place.

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6. Universal Mounting Brackets: Shall operate with the patented, "Safety-First" end cap locking system and shall be universal. Brackets may be installed top, face, or side fixed and can be used for shades with both left hand and right hand controls. Brackets shall be available in a white or black painted finish.
 - a. 1 1/4" Tube Mounting Brackets: Shall have a height of 1 15/16" and a projection of 2 1/2".
 - b. 1 5/8" Tube Mounting Brackets: Shall have a height of 2 15/16" and a projection of 2 11/16".
 - c. 1 3/4" Tube Mounting Brackets: Shall have a height of 3 1/4" and a projection of 3 3/16".
7. Valance/Fascia Options:
 - a. Aluminum Fascia Valance: If specified, an aluminum fascia may be attached to conceal the roller shade tube mechanism. It shall have a wall thickness of 5/16". It is available in a variety of painted finishes. The fascia shall be set to the universal fascia mounting brackets by snapping it into place on a hinge rib clip. This provides for additional strength and secure fixing. Fascia mounting brackets support the roller shade tube and the fascia panel.
 - i. Options include: 3" Square, 4" Square, 3" Round, and 4" Round
 - b. Cassette Shade Box: If specified, this two-piece aluminum extrusion shall encase and conceal the roller shade tube mechanism. It is engineered for both interior and exterior applications and is designed to eliminate top light gap. Aluminum end caps fix at both ends of the extrusion. The box enclosure is available in a variety of painted finishes.
 - c. Shade Pocket with optional Closure Plate: If specified, this aluminum extrusion shade encase and conceal the roller shade tube mechanism. It is designed to be installed either in a ceiling pocket, to the ceiling, or to the wall. Aluminum end caps are available and may be fixed at both ends of the extrusion. The shade pocket is available in a variety of painted finishes.
 - d. Side & Sill Channels: Shades are available with one-piece extruded aluminum side and/or sill channels to eliminate left, right, and bottom edge light gaps.
8. Chain: Standard chain shall be of #10 stainless steel bead chain.
9. General: The shade shall be free of sharp edges, burrs or other defects which might be harmful. When other materials result in improved specifications, they may be adopted.
10. Size Limitations:
 - a. Maximum width: To be determined depending upon the size of the shade tube. Multiple band shade panels connected with intermediate brackets are also available.
 - b. Maximum drop: To be determined depending upon the size of the shade tube.

2.01 Fabrication

- A. Prior to fabrication, verify actual opening dimensions by on-site measurement. Calculate roller shade dimensions to fit within specified tolerances.
- B. Fabricate roller shades to fill openings from head to sill and jamb to jamb. The minimum clearance shade-to-shade shall be 1/4". Locate blind divisions at mullions.

PART III – EXECUTION

3.01 Inspection

- A. Verify that the work area in which the roller shades will be installed is free of conditions that interfere with roller shade installations and operations. Begin shade installation only when unsatisfactory conditions have been corrected.

3.02 Installation

- A. Install shades in accordance with Jordan Taylor's procedures except as otherwise specified herein.

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- B. Install shades with adequate clearance to permit smooth operation of shades and any sash operators. Hold roller shades 1/4" clear from each side of window opening on inside mount unless other clearance is indicated.

3.03 Cleaning

- A. Clean soiled shades surfaces with a mild soap solution. Do not use steam, hot water, bleach or any abrasive or solvent-based cleaners. Do not machine wash. To ensure proper drying, provide adequate ventilation for shades.