

HORIZONTAL BLIND SPECIFICATIONS

SHOP COLLECTION – 1” HORIZONTAL ALUMINUM BLIND

SECTION 12492

Part 1 – General

1.1 Scope

- A. Furnish and install Diamond Drapery Co., Inc. blinds provided by Diamond Drapery Co., Inc., Orange County, California, (714) 761-4543 in accordance with specifications, drawings, and contract documents.
- B. Related work specified elsewhere

1.2 Quality Assurance

- A. Installer qualifications:
 - 1. The installer shall be a firm approved by Diamond Drapery Company, Inc.
 - 2. The installer shall be qualified to install the product specified, as demonstrated by prior experience.
- B. Job mock-up: A sample blind may be installed on the jobsite prior to the beginning of the project.

1.3 Submittals

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

1.4 Delivery, Storage, and Handling

- A. Packing and shipping:
 - 1. Materials shall be delivered to the Project in Diamond Drapery’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.

1.5 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.

1.6 Warranty

- A. Lifetime limited warranty: Diamond Drapery Company, Inc. shall repair or replace for the seven year expected life of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.



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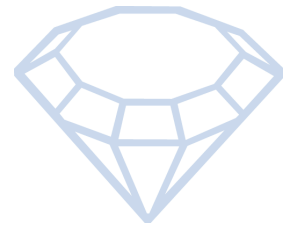
Part 2 – Products

2.1 Manufacturer and Product Description

A. Acceptable product: 1” Aluminum Blind manufactured by Diamond Drapery Company, Inc.

B. Materials:

1. Colors: Selected from Diamond Drapery Color Selector
2. Headrail
 - a. Steel Channel shall be 1” high by 1 1/2” deep. Design of the headrail to include rolled edges at top. Headrail to be fabricated from 0.024” thick (before coating) phosphate treated steel and finished with vinyl primer and a top coat of polyester baked coating.
 - b. Hardware: Hardware shall be acetal low friction thermoplastic and guide lift cords and ladders in the head channel preventing wear and discoloration. Operating hardware shall be mechanically locked into headrail channel, by means of snap-in fittings.
3. Metal Bottom rail: Tubular shape, 0.024” thick (before coating) phosphate treated steel with prime coat of vinyl primer and finished coat of polyester baked enamel matching headrail and coordinating with slat color. Bottom rail shall be roll-formed after coating into “C” shape. Bottom rail will be finished at each end with clear thermoplastic bottom rail end caps. Thermoplastic protective caps in bottom rail shall be used to secure ladder ends and assure window sill protection. Hold-down bracket pins shall be available.
4. Slats: Slats shall be 5086-H19 aluminum alloyed for maximum strength, flexibility and resistance to corrosion. Slats shall be nominally 1” wide, actual 0.991” (plus 0.004” or minus 0.000”). Slats shall have a pre-coating that features an anti-static performance to help repel dust and a smoother, harder less porous surface. A properly formed contour creates the finished crown with corner radii of 3/16” tangent to edge of slat. The end clearance of each slat shall not exceed 1/4” from each side of the window opening for jamb installation.
 - a. Thickness (select one)
 - i. 6 gauge (0.006”)
 - ii. 8 gauge (0.008”)
5. Valance Options (select one)
 - a. Standard valance: Two 1” slats attached to the headrail with polycarbonate brackets.
 - b. Deluxe valance: Consists of two 1” slats inserted into a clear solid vinyl sleeve, with hidden brackets attaching the sleeve to the headrail.
6. Tilt Rod Support: Tilt rod support shall be acetal low friction thermoplastic and shall support tilt rod. It shall provide a smooth bearing surface and center the ladder drum over ladder hole. Incorporated with tilt rod support shall be metal lift cord rollers to guide lift cords when entering and exiting headrail for smoother lifting and lowering operation. Acetal grommet shall have beveled edges to prevent cord and braided ladder wear and discoloration.
7. Ladder Drum: Shall be durable steel with smooth hole edges to position ladder. Ladders will be securely attached by means of a bend down top, including braided ladder clips.
8. Cord Lock: Cord lock shall be of snap-in design and incorporate a stainless steel wear guard over which cords pass and a floating shaft-type locking pin. Locking pin shall be free of abrasive teeth and offer minimum wear to cord. Cord lock shall incorporate a “crash-proof” safety feature that shall lock blind automatically upon release of cord. End of lift cords shall be finished separately with plastic tassels.
 - a. Cord Guide: Shall be nickel plated steel and will guide and center lift cords into cord lock opening.
9. Shaft Type Tilter: The tilter shall be of a worm and gear arrangement in a totally enclosed gear case (housing). The worm (tilter shaft) shall be heavy duty clear polycarbonate; the gear of nylon and the gear housing of acetal thermoplastic. The tilter shall be designed for smooth, low friction operation and shall have a safety clutch feature that prevents over-rotation.



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Part 2 – Products (continued)

- a. Tilt Wand: The tilt wand shall be a clear polycarbonate rod with a hexagonal shape measuring approximately 3/8" in diameter, providing a positive, comfortable grip. The wand shall hang vertically by its own weight and should be of sufficient length for easy access and operation. Wand shall be attached to the tilter shaft by means of a spring clip and shall be easily detached and reattached in the field.
10. Hexagonal Tilt Rod: Tilt rod shall be electro-zinc coated solid steel. Tilt rod shall be hexagonal in cross-section measuring 0.25" at its widest points. Tilt rod shall limit torsional deflection to 6 degrees in a 30" test length with a torque application of one-foot pound.
11. Braided Ladders (Slat Supports)
 - a. Shall have braided ladder which will assure proper control with adequate overlap of slats in the closed position. Distance between end ladder and end of slats will not exceed 6"; distance between braided ladders shall not exceed 20".
 - b. Braided Ladder Material: Material shall be 100% high tenacity polyester yarn. Vertical component shall be not less than 0.045" diameter nor greater than 0.066" diameter, and shall provide maximum strength and flexibility with minimum stretch. Horizontal component, or rungs, shall be not less than two threads and shall be approximately 31.0mm long. Standard ladder will provide 21.5mm of distance between slats. Ladders shall be of sufficient length for bottom of blind to hang with a tolerance of plus one-half/minus zero inches of the specified length. Ladders shall be dyed to Diamond Drapery color standard.
12. Lift Cords: Lift cords shall be braided with polyester jacket and center core or an approved equal construction. Size of cord shall be 1.4mm. Cords shall be detachable, if required, and shall be of sufficient length to properly control the raising or lowering of the blind. Lift cords shall be equipped with plastic tassels. Cord ends shall be securely anchored to the bottom rail and it shall be possible to detach and attach cords. Cording arrangements shall comply with assembly standards set for the size and weight of the blind. Cords shall be dyed to Diamond Drapery color standard.
13. Cord Lock and Tilter Operation Locations:
 - a. Shall be made with the following cord lock and tilter location options when viewed from within the room:
 - i. Tilter at left, cord lock at right (standard)
 - ii. Cord lock at left, tilter at right (reverse)
 - iii. Tilter and cord lock at left (both left)
 - iv. Tilter and cord lock at right (both right)
 - b. On blinds less than 18" wide, only the first two options above apply.
 - c. Blinds less than 12" but more than 7" will have a tilter only, which will be centered.
14. Brackets
 - a. Installation Brackets shall allow adequate space to accommodate power screwdriver for mounting. The brackets shall facilitate easy installation and removal of headrail channel. End support box brackets made of steel in matching colors. Face of bracket shall be hinged to lock headrail in place or allow installation and removal.
 - b. Intermediate Support Brackets shall be furnished for blinds over 60" wide. Maximum spacing for intermediate support brackets shall be 48".
 - c. Extension Brackets (optional) are available.
 - d. Hold-Down Brackets (optional) universal hold-down brackets for sill or jamb are available.
15. Headrail End Stiffener: To add rigidity to the headrail, steel end stiffener shall be inserted at each end of the headrail.



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Part 2 – Products (continued)

16. General: The blind 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.
 17. Size Limitations:
 - a. Maximum width: 120" (single blind on one headrail). Blinds up to 120" are available as two blinds on one headrail.
 - b. Maximum drop: Standard drop 120".
 18. Color: Color of headrail, bottom rail, ladder, cord and plastic accessories shall coordinate with slats.
- 2.2 Fabrication
- A. Prior to fabrication, verify actual opening dimensions by on-site measurement. Calculate blind dimensions to fit within specified tolerances.
 - B. Fabricate blinds to fill openings from head to sill and jamb to jamb. The minimum clearance blind-to-blind shall be 1/4". Locate blind divisions at mullions.

Part 3 – Execution

- 3.1 Inspection
- A. Verify that the work area in which the blinds will be installed is free of conditions that interfere with blind installations and operations. Begin blind installation only when unsatisfactory conditions have been corrected.
- 3.2 Installation
- A. Install blinds in accordance with Diamond Drapery's procedures except as otherwise specified herein.
 - B. Install intermediate support brackets and extension brackets as needed to prevent deflection in headrail.
 - C. Install blinds with adequate clearance to permit smooth operation of blinds and any sash operators. Hold blinds 1/4" clear from each side of window opening on inside mount unless other clearance is indicated.
 - D. Set tilt and lift controls. Demonstrate blinds to be in smooth, uniform working order.
- 3.3 Cleaning
- A. Clean soiled blind surfaces with a mild soap solution. Do not use steam, hot water, bleach or any abrasive or solvent-based cleaners. Do not wash metallic colors.
 - B. To ensure proper drying, provide adequate ventilation for blinds, remove bottom rail plastic end caps, and tip headrail and bottom rail to drain water.