



Springs Window Fashions LP

# Window Treatment Horizontal Blinds

## Bali Incline Wire Mini Blinds



### PART 1—GENERAL

#### 1.01 DESCRIPTION

##### A. Related Requirements

1. The Conditions of the Contract (General and Supplementary, and other Conditions), and Division 1 General Requirements (if any) are part of this section. (Delete or retain as appropriate.)

#### 1.02 QUALITY ASSURANCE

##### A. Job Mock-Up: (Describe)

#### 1.03 SUBMITTALS

- Manufacturer's Product Data:** Submit manufacturer's descriptive product data and installation instructions for each type of blind specified.
- Shop Drawings:** Submit shop drawings indicating the following:
  1. Field-measured dimensions of openings scheduled to receive blinds.
  2. Illustrations of special accessory components not included in manufacturer's product data.
  3. Details of head and sill conditions, corner conditions, and conditions between adjacent blind units.
- Color Sample:** Submit two 6" (0.15m) samples of material indicating full color range and color variation.
- Product Sample:** Submit one 16" wide by 24" long fully functional sample blind.
- Maintenance Material (Extra Stock):** (Describe)

### PART 2—PRODUCTS

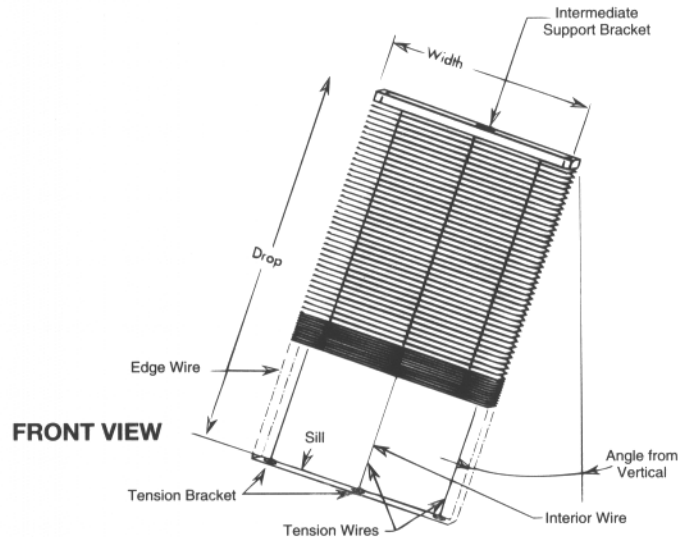
#### 2.01 HORIZONTAL BLINDS

##### A. Manufacturer and Product:

- Manufacturer:** Springs Window Fashions LP
  - Product:** Bali Incline Wire Mini Blind
  - Options:** (Describe)
  - Color(s):** Selected from Bali Classics Mini Blind color standards.

##### B. Product Description:

- Steel Channel Headrail:** "U"-shaped 1" high by 1½" deep channel shall measure 0.025" thick, and be fabricated from phosphate treated steel with rolled edges at top and with prime coat of vinyl primer and finished coat of polyester baked enamel to match bottomrail and end support brackets and to coordinate with slats. Headrail shall be roll-formed.
- Head Channel Hardware:** Hardware shall be plated steel and 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 head channel, by means of snap-in fittings with no mechanical cleats visible from underside of headrail.
- Enclosed Metal Bottomrail:** Completely enclosed tubular shape, phosphate treated steel with prime coat of vinyl primer and finished coat of polyester baked enamel matching headrail and coordinating with slat color. Bottomrail shall be roll-formed with locking groove to receive dust cover. Thermoplastic protective caps in bottom of rail shall be used to secure ladder ends and assure window sill protection. Bottomrail shall measure 0.025" thick.
- Slats:** Slats shall be aluminum alloyed for maximum strength, flexibility and resistance to corrosion. Slats shall be nominally 1" wide, actual 0.991" (plus .004" or minus .000"). Standard thickness is 0.006", optional 0.008" is available. Slats shall have a pre-coating treatment to bond the polyester baked enamel finish coat that features our Advanced Finishing Technology (AFT) which provides a smoother, harder, less porous surface that provides anti-static performance to help repel dust and anti-microbial qualities to help resist fungal and bacterial growth. Slat thickness and ladder support distances shall be such that there is no visible sag.



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- Tension Wires and Sill Bracket System:** This system is designed for use in windows inclined up to 45 degrees from vertical. To provide slat support when the blind is mounted in an incline position, .040" stainless steel tension wires are securely anchored in the headrail and run down through the slats and bottomrail. The wires are attached to sill mounted adjustable tension brackets to provide tension to the wires, which limits the catenary effect that occurs when blind is not mounted vertically. For blind application beyond 45 degrees we recommend our Bali Dual Headrail Skylight mini blind.
- Tilt Rod Support:** Tilt rod support shall be plated steel and acetal low friction thermoplastic and shall support tilt rod. It shall provide a smooth bearing and center the ladder drum over ladder hole. Incorporated with tilt rod support shall be an acetal grommet guide to guide lift cord and braided ladder through bottom of headrail. Acetal grommet shall have beveled edges to prevent cord and braided ladder wear and discoloration.
- Ladder Drum:** Shall be injection molded thermoplastic with smooth hole edges to position ladder. Ladders will be securely attached by means of a snap down top.
- Cord Lock:** Cord lock shall be of a snap-in design and incorporate a stainless steel wear guard over which cords pass and a floating shafttype 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 treated with plastic tassels.
  - Cord Guide:** Cord guide shall be nickel plated steel and will guide and center lift cords into cord lock opening.
  - Ring Pull:** When supplied with a standard nominal 4" cord length, a single ring will be attached to 2 and 4 cord blinds. Non-standard lengths of 8" or greater will have a joiner ball located nominally 4" from the headrail and will have two separate cords coming down from the joiner ball, each with a separate ring, to the specified non-standard length.
- 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 of 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 incorporate a clutch mechanism to eliminate damage due to over-tilting. Tilter shall be a snap-in component allowing for field removal if required.

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- a. **Tilt Ring:** Tilt ring shall be attached to the tilter shaft in lieu of a wand via the tilter shaft link with field provision of a pole-hook for operation.
  - b. **Tilt Wand:** The optional tilt wand shall be a clear polycarbonate hollow rod, with a hexagonal shape measuring approximately 1/4" across the points, 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.
  - c. **Tilt Limiter:** An optional single-range tilt limiter shall allow a select range of slat-tilting operation including a fixed angle if so specified.
10. **Cord Type Tilter:** The tilter shall be a direct drive system. The direct drive system will utilize a hex tilt rod ladder drum in place of the shaft type tilter with tilt cords attached to the ladder drum by means of braided ladder clips. The tilt cords shall be equipped with plastic tassels. The tilter shall be designed for smooth operation and shall hold the slats at any angle.
11. **Hexagonal Tilt Rod:** Tilt rod shall be electro-zinc coated solid steel. Tilt rod shall be hexagonal in cross-section measuring 1/4" 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.
12. **Braided Ladders (Slat Supports):** Bali Incline Wire Blind 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 1/2"; distance between braided ladders shall not exceed 24".
- a. **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. 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. Standard ladder will provide 21.5mm of distance between the slats. Optional 20mm and 22.5mm spacing is available. Ladders shall be dyed to Bali color standard.
13. **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, or optional ring pull with a 4" cord. Cord ends shall be securely anchored to the bottomrail 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 Bali color standard.
14. **Cord Lock and Tilter Operation Locations:**
- a. Bali Classics shall be made with the following cord lock and tilter location options when viewed from within the room:
    - 1) Tilter at left, cord lock at right (standard).
    - 2) Cord lock at left, tilter at right (reverse).
    - 3) Tilter and cord lock at left (both left).
    - 4) Tilter and cord lock at right (both right).
  - b. On blinds less than 13 1/2" wide, only options 1 and 2 above apply.
15. **End Support Brackets:** Standard hinged cover end support brackets of phosphate treated steel with prime coat of vinyl primer and finished coat of polyester baked enamel in color to match headrail. Brackets shall be marked left and right to facilitate installation and shall have 1/4" extra wide top to accommodate power screwdriver. Brackets shall facilitate easy removal of head channel. Each bracket shall be installed with a minimum of two installation screws. A safety locking screw is provided for each end support bracket and center support bracket.

16. **Intermediate Support Brackets:** Brackets shall be furnished for blinds over 48" wide. Maximum spacing for intermediate support brackets shall be 48".

17. **End Stiffeners:**

- a. To add rigidity to the headrail, electroplated steel end stiffeners shall be inserted at each end of the headrail.
- b. To eliminate lateral movement and to center the blind in the window, each end stiffener shall have a lateral adjustment tab.

18. **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.

19. **Size Limitations:**

Width Range	Maximum Drop
12" exact - 32"	126"
32 1/2" - 57"	108"
57 1/2" - 92"	102"
92 1/2" - 122"	90"

20. **Color:** Color of headrail, bottomrail, ladder, cord and plastic accessories shall coordinate with slats.

### 2.02 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. Locate blind divisions at mullions.
- C. Fabricate blinds to fill all exterior window openings except at doors, door sidelights and transoms unless noted.

### PART 3—EXECUTION

3.01 **INSPECTION:** 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.

### 3.02 INSTALLATION

- A. Install blinds in accordance with manufacturer'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.
- D. Set tilt and lift controls. Demonstrate blinds to be in smooth, uniform working order.

### 3.03 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 bottomrail plastic end caps, and tip headrail and bottomrail to drain water.

### 3.04 HORIZONTAL MINI BLIND SCHEDULE:

Provide blinds at the following locations: (listing of blind locations, different options, types, accessories and colors).

