



Springs Window Fashions LP

# Window Treatment Horizontal Blinds

## Bali Micro 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

**A. Manufacturer's Product Data:** Submit manufacturer's descriptive product data and installation instructions for each type of blind specified.

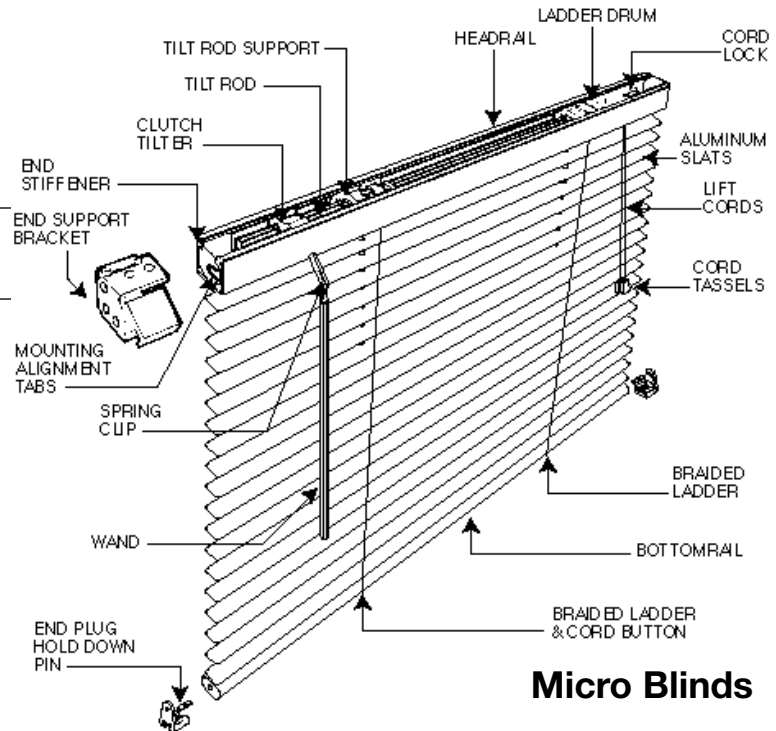
**B. Shop Drawings:** Submit shop drawings indicating the following:

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.

**C. Color Sample:** Submit two 6" (0.15m) samples of slat indicating full color range and color variation.

**D. Product Sample:** Submit one 16" wide by 24" long fully functional sample blind.

**E. Maintenance Material (Extra Stock):** (Describe)



**Micro Blinds**

### PART 2—PRODUCTS

#### 2.01 HORIZONTAL MINI BLINDS

##### A. Manufacturer and Product:

1. **Manufacturer:** Springs Window Fashions LP
  - a. Product Bali Micro Blind
  - b. Options: (Describe)
  - c. Color(s): Selected from Bali color standards.

##### B. Product Description:

1. **Steel Channel Headrail:** "U"-shaped 1" high by 1" deep channel shall measure 0.025" thick and be fabricated from phosphate treated steel with rolled edges at top and with a 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.
2. **Head Channel 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 head channel by means of snap-in fittings with no mechanical cleats visible from underside of headrail.
3. **Bottomrail:** The bottomrail shall be phosphate treated steel with coat of vinyl primer and finished coat of polyester baked enamel matching headrail and coordinating with slat color. Bottomrail shall be roll-formed and measure 0.025" thick. Thermoplastic protective caps in bottom of rail shall be used to secure ends of braided ladders and cords and to assure window sill protection. Thermoplastic end plugs shall accept hold-down bracket pins.
4. **Slats:** Slats shall be aluminum alloyed for maximum strength, flexibility and resistance to corrosion. Slats shall be nominally 1/2-inch wide, actual 0.594" (plus .004" or minus .000") and 0.006" thick. 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.

5. **Tilt Rod Support:** The 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 a grommet guide to guide lift cord and braided ladder through bottom of headrail. Acetal grommet shall have beveled edges to prevent cord and ladder wear and discoloration.
6. **Ladder Drum:** Shall be injection molded thermoplastic with smooth channel holes to position the ladder. Ladders will be securely attached to locking channels.
7. **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 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 treated with plastic tassels.
  - a. **Cord Guide:** Shall be nickel plated steel and will guide and center lift cords into cord lock opening.
  - b. **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.
  - c. **Top-Locking Cord Lock:** An optional top-locking cord lock shall be available which provides for locking the blind in the fully raised position only with no intermediate locking positions other than fully lowered. The crash-proof feature is not available with a top-locking cord lock.
8. **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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## Bali® Micro Blinds

- a. Tilt Wand:** The tilt wand shall be a clear polycarbonate hollow rod, with a hexagonal shape measuring approximately ¼" 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.
- b. Tilt Ring:** An optional 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.
- 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.
- 9. Tilt Rod:** The tilt rod shall be electro-zinc coated solid steel, 0.155" square in cross section and shall provide instant tilting response.
- 10. Braided Ladders (Slat Supports):** Blinds shall have braided ladder which will assure proper control with adequate overlap of slats. Distance between end ladder and end of slats will not exceed 4"; distance between braided ladders shall not exceed 14".
- a. Braided Ladder Material:** Material shall be 100% high tenacity polyester yarn. Vertical components shall not be less than 0.025" nor greater than 0.046" diameter which will provide maximum strength and flexibility with minimum stretch. Horizontal component, or rungs, shall be not less than two threads and shall be approximately 20.5mm long. Ladders shall be of sufficient length for bottom of blind to hang with a tolerance of plus one-half/minus zero inches of specified length. Ladders shall be dyed to Bali color standard.
- 11. Lift Cords:** Bali 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 bottomrail and it shall be possible to detach and attach cords. Stringing arrangements shall comply with Bali assembly standards set for the size and weight of the blind. Cords shall be dyed to Bali color standard.
- 12. Cord Lock and Tilter Operation Locations:**
- a.** Bali Micro Blinds shall be made with the following cord lock and tilter operation locations 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 13¾" wide, only options 1 and 2 above apply.
- 13. End Support Brackets:** The installation brackets with hinged locking cover shall be treated steel and shall have a coat of vinyl primer with a finished coat of polyester baked enamel in color to match headrail. A pair of these brackets shall support ends of headrail securely. The brackets shall permit easy removal of blind.
- 14. Intermediate Support Brackets:** Brackets shall be made of electroplated steel and furnished for blinds over 48" wide. Maximum spacing for intermediate support brackets shall be 48".
- 15. Extension Brackets:** Optional extension brackets are available.
- 16. Hold-Down Brackets:** Optional universal hold-down brackets for sill or jamb installations are available.
- 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 assure a secure installation, 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:**
- a. **Standard widths:** 12-120" (single blind on one headrail). Narrow blinds between 5½" and 11¼" available with engineering approval and normal limitations on performance and control locations.
  - b. **Maximum drop:** For blinds 12-22" wide, the standard drop is 96". For blinds wider than 22", the standard drop is 108". Longer drops up to 144" available with engineering approval and normal performance limitations.
- 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).

