

# **SPECIFICATIONS FOR KIDSTUFF PLAYSYSTEMS COMPONENTS**

## **Model 7374**

### **Ages 2-12 Playsystem, 3 1/2" OD Posts, Plastic Decks**

**POWDER-COATING:** Powder-coating is a scratch and chip resistant, extremely UV-stable outdoor polyester finish that retains its bright, colorful appearance for years. All steel tubing in the Kidstuff series is powder-coated over galvanizing for additional rust protection. Welds are treated with a zinc-rich powder, oven treated before the color coat. Powder-coating is oven-baked until cured. Powder thickness depends on color, but minimum thickness is 2.8 - 3.0 mils. Every metal part in any Kidstuff playstructure is powder or "plastisol" coated (excluding swing chain and galvanized bridge support elements).

**CLAMP:** The Kidstuff clamp is die cast from aluminum alloy in the USA and then powder-coated. The clamp incorporates a molded-in socket to encompass each pipe end. Clamp halves attach with 5/16" x 1-1/4" socket-head bolts and nylon lock nuts. Pipe end is held in the clamp socket by a 3/8" x 1/2" setscrew. Stainless expansion pins (1/4" x 3/4" to 2") driven through the socket and into the pipe provide additional retention security for components where pull-out could compromise safety or structural integrity. Hardware is stainless steel and is tamper-resistant. Every clamp is also secured to each post with pins (above) at job conclusion to prevent slippage or rotation

**FASTENERS:** Tamper resistant hardware is used throughout every Kidstuff system. Fasteners meet or exceed requirements of ASTM 1487-11 section 4. 2ff. Stainless steel hardware is used almost exclusively (99.5% of applications).

**STEEL TUBING:** Throughout all Kidstuff structures tubing is high-strength steel, galvanized, with a zinc-coated interior. After component fabrication all welds are prefinished with baked-on, zinc-rich polyester powder prior to final color-coat powder application. Outside diameter (OD) is noted in individual specifications. Typically, 1.16" OD tubing is a min. 17 ga., 1.31" OD and 1.50" is a min. 14 ga., 1.90" OD and 2.38" OD are min. 13 ga. Where heavier tubing is employed it is mentioned in the specifications. All tubing is AMERICAN MADE and meets or exceeds applicable ASTM specifications.

**WILD WALL:** Plastic arch dotted with oval hand- and footholds climbs and twists 90° from ground level up to a 3 1/2" support post adjacent to deck. Climber is double-walled, rotational-molded UV stabilized high-density polyethylene with a 1/4" (nom.) wall thickness. Unit is 37 1/2" wide and 76" high. Fits decks 42" to 52" high.

**STEERING WHEEL:** Solid, virtually unbreakable, UV-stabilize HDPE plastic wheel, 3/4" thick and 13" in diameter. Wheel attaches walls, guardrails, or panels with 1/2" d. stainless steel tamper-resistant bolt and nylon locknut. May also be attached directly to posts and used under decks or free-standing as a ground level play event.

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**BEANSTALK CLIMBER:** Center post is 1.5" OD tubing with 1.16" OD "branches." "Leaves" are UV-stabilized HDPE plastic, 3/4" thick, secured to 3/16" steel hot-dipped galvanized steel plates with tamper-resistant stainless fasteners. One-piece welded unit attaches to center of deck opening. 10 ga. Bracket attached under deck stabilizes assembly.

**COMBO SLIDE:** Combo slide is a Kidstuff Playsystems exclusive: side by side bedways, each with a different ride: one a straight slide, the other a wave slide. Double-walled rotational-molded, UV- stabilized HDPE with a nominal wall thickness of 0.30". Slide is 8' long and works from decks 42" to 52" high.

**PLASTIC SLIDES:** All plastic slides are double-walled, rotationally-molded with a nominal wall thickness of 1/4", manufactured with UV-stabilized HDPE. Color is stabilized by ultraviolet inhibitors.

**TRANSFER MODULE:** Fabricated of 12 ga. punched steel, dipped in "plastisol" after fabrication. Step size and height comply with ASTM guidelines for transferring from a wheelchair to a playstructure.

**ROOF:** (for steel decks) Double-walled rotational-molded, UV- stabilized HDPE with a nominal wall thickness of 1/4". Comes in two styles, pyramid or gable designs. Gable roofs have arch cut-outs for added head room. Both styles attach to special aluminum support brackets designed to simplify leveling and adjustment. Secured with stainless steel fasteners.

**PLASTIC DECKS:** Square and triangular double-walled decks are rotationally molded of UV-stabilized, high-density polyethylene (HDPE), walls a min. 1/4" thick. Square decks measure 38-1/4" x 38-1/4". Triangle decks are 38-1/4" x 38-1/4" x 52 3/8". All decks incorporate molded-in reinforcement on the bottom for added strength and rigidity. Deck color is stabilized with the use of ultraviolet inhibitors. Holes in each corner of decks allow posts to pass through a molded-in hole, creating extraordinary toughness and durability in a part designed to provide gentle, kid-friendly impacts for the inevitable bumps and falls on equipment.

**POSTS:** 3-1/2" OD galvanized high-strength steel tubing 13 gauge; yield strength: 45,000 psi (min); tensile strength: 48,000 psi (min). Posts are cut to length before powder-coating. Posts meet or exceed all applicable ASTM standards. Some applications require 11 ga. or 8 ga. posts—these are noted in specifications. 5" OD posts as above, but 11 ga. rather than 13 ga.

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POST CAP FOR 3-1/2" OD POST: Shatter-proof caps are injection-molded of polypropylene. Unique "one-way" design provides a tight fit while preventing removal.

All play equipment that children play on shall be in compliance with the current ASTM F-1487 Standard, and with the current Consumer Product Safety Commission Guidelines, with evidence provided with the bid. The play equipment manufacturer shall be ISO 9001-2008 certified.