

SPECIFICATIONS FOR KIDSTUFF PLAYSYSTEMS COMPONENTS

Model 7472-02

Ages 2-5 Playsystem, 3 1/2" OD Posts, Steel 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.

SPIRAL SLIDE: Double-walled rotationally-molded, UV-stabilized, HDPE with a nom. 1/4" wall thickness. Segmented slide is factory assembled with hood. Slide entry deck is 12 ga. punched steel, plastisol-coated and 38" long. 38" high protective barriers frames affix to each side. Frames support plastic barrier panels of 1/2" HDPE. A 1.31" OD sit-down bar, integrated into hood, gives added security at slide entry. Center support pipe is 3 1/2" OD. Bedway sides are extra-deep for added safety. Replaceable exit section dramatically reduces cost of repair and maintenance.

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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.

SQUARE STEEL DECK: Fabricated of 12 ga. Punched steel, reinforced with 2 1/2" x 10 ga. Ribs and 7 ga corner brackets, "rolled bottom edges, "plastisol" dipped after fabrication. All steel decks mount to posts 46 1/4" o.c. Square decks are 47 1/4 x 47 1/4". Approximate area is 15 1/2 sq ft

TRIANGLE STEEL DECKS: Fabricated of 12 ga. Punched steel, reinforced with 2 1/2" x 10 ga. Ribs and 7 ga. Corner brackets, "rolled" bottom edges, "plastisol"-dipped after fabrication. All steel decks mount to posts 46 1/4" o.c. Triangle decks are 47 1/4" x 67", Approx. area is 8 sq. ft. Equilateral triangle decks are 48" "corner-to corner." Approx. area 7 sq. ft.

HEX DECKS: Fabricated of 12 ga. punched steel, reinforced with 10 ga. ribs 2 1/2" high. Corners are reinforced with 8 ga. steel. Deck edges are "rolled" on the bottom for added strength and safety. Unit is "plastisol"-dipped after fabrication. Deck mounts to posts 46 1/4" o.c. with aluminum clamps or one-piece aluminum collars. Hex decks measure 83 1/4" across, 93 1/2" "corner-to-corner;" approx. 40 sq. ft.

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.

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.

STEPPING POD WALK: Movable, suspended, rotation-molded stepping pods vary in height to form a bridge between or out and away from decks. Overhead support frame is fabricated of 2" x 2" x 9' galv. square steel tubing, 12 ga. Step support poles are 1.50" OD and 88" tp 91" long or 76" to 79" long, depending on access deck height. To limit range of motion of each step, the bottom of each support pole is shackled to 1/4" , grade 30 chain and secured to a none-piece galvanized and powder-coated steel frame anchored below the safety surface.

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CHINNING OR TURNING BAR: 1.162" OD tubing, 14 ga. For applications for children aged 2-12 and 5-12 Chin Bar is 1.31" OD tubing. Height at direction of customer or 84" maximum.

CRUNCH BAR: One-piece C-shaped crunch bar of 1.16" OD tubing, 17 ga., attaches to post with aluminum clamps. Geometry assures that unit cannot pull free. May be set at any height (Guideline maximum is 84".)

CHAIN NET CLIMBER: Chains are vertical, 4/0 galvanized, welded link, with horizontal rungs of 1.16" tubing welded to links, coated with "plastisol" after fabrication. Unit attaches to 1.90" OD tubing frame and anchors below grade; 3/8" galv. S-hooks at top and bottom

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.

GUARDRAIL WITH WHEEL: See guardrail above. 3/16" steel plate fillet welded to rail supports a solid, virtually unbreakable HDPE plastic wheel, 13" diam. Wheel attaches with 1/2" d. stainless steel tamper-resistant bolt and nylon locknut.

GUARDRAIL: Fabricated of 1.16" OD tubing; one-piece welded construction; powder-coated after fabrication. For r steel decks upper rail is 14 gauge. Rails sized and positioned appropriately to meet standards for ages 2-5, 2-12, or 5-12.

BEANSTALK CLIMBER: Center post is 1.5"0 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.

FINGER MAZE RACING PANEL: Computer-generated, bi-color, UV-stabilized HDPE plastic panel, 3/4" thick, features side by side finger mazes that invite children to trace their Formula 1's path from the starting line to the checkered flag, each child racing the other. May be used on or under decks, or as a free-standing play event.

LOOP OVERHEAD LADDER: Top beam is 10 ga., 2.38" OD tubing; loops are formed from 1.16" OD tubing and fillet-welded to top beam. Curved O/H Loop Ladder has 1.90" OD x 10 ga. intermediate support leg. Attaches at each end to 3 1/2" posts whether used as a connecting or freestanding event, or with one end to playstructure. Ladder is 119" long.

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TRACK RIDE: Powder-coated steel track, 10' long. Track attaches at each end to 1" x 3" rectangular aluminum box beams, 1/4" thick. Powder-coated steel trolley rides on high-end composite roller-skate wheels. Handle on trolley is a 1 1/4" OD flexible, soft rubber tube with galvanized chain core. End of unit is accessed by deck(s) or by one or more 14" x 60" step-up frames of 1.16" OD, 17ga tubing. Frame is clamped to one of the 3 1/2" endposts.

CNC ACCESS LADDER: Safe, sturdy, simple access from ground to deck or deck to deck with climbing panel of 3/4" UV-stabilized HDPE plastic. Also used for deck-to-deck access.

PIPE WALL: Constructed with a 14 ga. 1.16" OD tubing frame with bars of 1.16" OD tubing, 17 ga. Height is sized for ages 2-5 or 2-12.

SNAKE CLIMBER: Loops fabricated of 1.31" OD galvanized steel tubing bent and welded to a 1.90" OD "J"-frame stem form a snake-like design. Loops stop at deck height. One-piece welded unit attaches to center of deck opening. 10 ga. Bracket attached under deck stabilizes assembly.

TRI-RIDE SLIDE: Slide is a one-piece, triple bedway slide, 128" long, designed for a 72" high deck. It has double walls of rotation-molded, UV-stabilized HDPE, each wall approx. 1/4" thick. Each of the 3 bedways provides a different ride: straight and smooth, wavy, or rippled.

CLIMBING WALL: Computer-generated UV-stabilized HDPE plastic panel, 3/4" thick, with hand grips as well as holes for gripping and foot placement. Designed to work with decks from 54" to 72" high.

LOOP ARCH CLIMBER: Steel frame of 1.90" OD tubing angles up and over to deck to provide an arch up to structure comprising looped rungs of 1.31 OD galv. tubing, 24" wide. Frame attaches to barriers which reduce opening width at deck entry point.

PIPE WALL w/WHEEL: See pipe wall above. 3/16" steel plate fillet welded to wall supports a solid, unbreakable HDPE plastic wheel, 13" diam. Wheel attaches with 1/2" d. stainless steel tamper-resistant bolt and nylon locknut. Height is sized for ages 2-5 or 2-12.

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.