

SPECIFICATIONS FOR KIDSTUFF PLAYSYSTEMS COMPONENTS

Model 7477-02

Ages 5-12 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.

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.

SPECIFICATIONS FOR KIDSTUFF PLAYSYSTEMS COMPONENTS

Model 7477-02

Ages 5-12 Playsystem, 3 1/2" OD Posts, Steel Decks

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.

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, CNC plastic) Matches Hex deck roof of same style. Constructed of multi-colored, computer-cut gable ends and sheets of shingle-patterned 3/4" and 1/2" UV-stabilized HDPE. Bolts to aluminum brackets 1/4" thick which slide over posts tops for ease of 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.

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.

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.

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.

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".)

SPECIFICATIONS FOR KIDSTUFF PLAYSYSTEMS COMPONENTS

Model 7477-02

Ages 5-12 Playsystem, 3 1/2" OD Posts, Steel Decks

MUSICAL INSTRUMENTS: All are rotationally molded, double-walled parts of UV-stabilized HDPE plastic with a nom. Thickness of 1/4". Instruments attach to 1.16" OD x 14 ga. Galv. tubing clamped to 3 1/2" OD 13 ga. Posts. Bongos and megaphone bolt directly to post.

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

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.

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.

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.

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.

SPECIFICATIONS FOR KIDSTUFF PLAYSYSTEMS COMPONENTS

Model 7477-02

Ages 5-12 Playsystem, 3 1/2" OD Posts, Steel Decks

CLATTER BRIDGE: Bridge planks are rotational-molded, UV-stabilized, high density polyethylene with non-skid ribs on the top surface, reinforced with galv. steel tubing on the underside (not powder-coated). Bridge is supported with 5/16" diam., grade 40, welded-link, unpainted, galvanized steel chain. A recessed stainless-steel U-bolt system locks planks together, securing them to chain and preventing pinch point entrapment when the bridge flexes. Chains are suspended before attaching the planks, making this bridge the simplest and fastest to install, maintain, or repair of any available. Bridge side rails are one-piece welded frames with top rails of 1.90" OD tubing. Barriers (used for higher bridges) are 1.16" OD, 14 ga., tubing frames securing colorful UV-stabilized HDPE plastic panels. All metal components are powder-coated after fabrication except as noted above. All bridge hardware is galvanized or stainless steel.

STEP CLIMBER: Upper frame is fabricated of 10 ga. 1.90" OD tubing with steps 14 ga. 1.31" OD tubing. **Steel Decks:** Climber is secured and pinned to clamps attached to 3 1/2" posts at each end. **Plastic decks:** "J"-frame top bolts to deck as on Snake and Coil Climbers. Bottom of climber attaches with clamps to 3 1/2" post.

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.

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.