SPECIFICATIONS FOR KIDSTUFF PLAYSYSTEMS COMPONENTS

Model 7475-02

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.

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

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. 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 deckto- deck access.

MOUNTAIN CLIMBER: Climber is double-walled, rotational-molded UV stabilized high density polyethylene with a 1/4” (nom.) wall thickness. Climber is indented with footholds and gently slopes from the play surface to the deck above. Unit is 40” wide and will fit decks at 48” and 72” 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.

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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.

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.

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.

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”.)

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.

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.

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

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.

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.