

SPECIFICATIONS FOR KIDSTUFF PLAYSYSTEMS COMPONENTS

Model 7447

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

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.

RING TREK: Top beam is 2.38" OD tubing, 10 ga. "S"-hooks attach to a pair of 4/0 galv. chain links, secured to beam by clevis through oil-impregnated bronze bushing. Rings of cast, highly-polished aluminum attach to "S"-hooks. 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 118" long.

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LOG ROLL: Rotation-molded, UV stabilized HDPE, 48" long; 15" in diameter; nom. 1/4" thick. "Log" is supported by 1.90" OD tubing secured to 3 1/2" vertical posts with clamps. Grab rails are 1.16" OD tubing. All steel components powder-coated after fabrication

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

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.

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 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.

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.