

SPECIFICATIONS FOR KIDSTUFF PLAYSYSTEMS COMPONENTS

Model 7059

Ages Toddler - 5 Playsystem, 3.5"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.

CRAWL-THROUGH PANEL: Double-walled, rotationally-molded, UV-stabilized HDPE plastic with a nominal wall thickness of 1/4". Panel is 38 1/2" H. x 30" W. x 3 1/4" with a 24" diameter hole in the middle. Panel mounts on 1.16" OD tubing going completely through part. Four clamps secure unit to posts. May be used on or under decks, or as a free-standing play event.

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CRAWL TUNNEL: All plastic components of rotationally-molded, UV-stabilized HDPE plastic (nom. wall thickness of 1/4"). Two or more straight or curved 24" flanged tubes are connected together to form tunnel. When accessed from play structures each end of tunnel is typically connected to and supported by a double-walled, rotationally-molded, UV-stabilized HDPE plastic panel (nom. nominal wall thickness of 1/4"). In most applications in which tunnels are free-standing on one or both ends, flanges are extended for additional rigidity and these end panels are not used. Free end of tunnel is supported with 1.31" OD "saddle" welded to 1.90" OD tubing legs.

FIRE ENGINE PANEL: Computer-generated, bi-color, UV-stabilized HDPE plastic panel, 3/4" thick, creates a striking depiction of a fire engine in a brilliant red. Back of panel features a dashboard with a virtually unbreakable HDPE plastic wheel, 13" diam. Wheel attaches with 1/2" d. stainless steel button-head bolt and nylon locknut. May be used on or under decks, or as a free-standing play event.

NUMBER WALL or PANEL: Spinning cylinders are rotationally-molded, UV-stabilized, HDPE with molded-in number graphics. Pipe frame is 1.16" OD tubing. Steel deck systems and platforms above 48" have blocks framed by a 3/4" HDPE computer-generated panel. May be used on or under decks, or as a free-standing play event.

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.

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.