



PREMIER POLYSTEEL

The Best Commercial Outdoor Furniture Available. Period.



Phone: 641-324-2750 • Toll Free US & Canada: 877-746-3826 • Web: www.premierpolysteel.com • Email: sales@premierpolysteel.com

Premier Polysteel Specifications

Last updated July, 2023

Specifications for Rectangle and Oval Picnic Table: Table Top and Seat HR steel $\frac{3}{4}$ " #9 standard expanded metal or 14 gauge perforated steel. Seat measures 10" across. Attached perimeter frame and supporting structure is made from HR steel. A 2" schedule 40 pipe is welded in the center of top. When coated will accept a 1.625" diameter umbrella pole (except 10' and single ped direct bury). **Free Standing Legs** Completely sealed pipe that measures 1.90" OD prior to plastisol (PVC) coating. Leg diagonal brace is made of pipe that measures 1.05" OD prior to plastisol (PVC) coating. **Double Pedestal Direct Bury** Double Pedestal stand vertical posts are made of 4" pipe, arms are made of 3" pipe. Bottom of post is sealed and has horizontal 1/2" rebar extensions for securing in concrete. **Single Pedestal Direct Bury** Table T-Post is made of 4" pipe, table support arm is 4" square tube, seat arms are 2" square tube. Bottom of post is sealed and has horizontal 1/2" rebar extensions for securing in concrete. **Multi Pedestal Direct Bury** Table post is made of 4" pipe. Seat Post is made of 3" pipe. Bottom of post is sealed and has horizontal 1/2" rebar extensions for securing in concrete. **Multi Pedestal Surface Mount** Table post is made of 4" pipe. Seat Post is made of 3" pipe. Bottom of surface mount posts have 8" dia. mounting plates. **Double Pedestal Surface Mount** Double Pedestal stand vertical posts are made of 4" pipe, arms are made of 3" pipe. Bottom of surface mount posts have 8" dia. mounting plates with gussets. **Single Pedestal Surface Mount** Table T-Post is made of 4" pipe, table support arm is 4" square tube, seat arms are 2" square tube. Bottom of surface mount post has four mounting feet. All above are plastisol coated with UV and fungus resistant oven cured plastisol to a thickness of approximately 1/8". All Hardware is .304 stainless steel. **Pipe has no holes to allow access by bees or other insects.**

Specifications for Square and Round Picnic Table: Top and Seat HR steel $\frac{3}{4}$ " #9 standard expanded metal or 14 gauge perforated steel. Seat measures 10" across. Attached perimeter frame and supporting structure is made from HR steel. A 2" schedule 40 pipe is welded in the center of top. When coated will accept a 1.625" diameter umbrella pole (free standing only). **Free Standing Legs** Completely sealed pipe that measures 1.66" OD prior to plastisol (PVC) coating. **X Brace** is HR steel. **Direct Bury Center Post** 4" square tube; Top of pipe is sealed. Bottom of pipe is sealed and has horizontal .5" rebar extensions for securing in concrete. Seat and Top supports are made of 2" square tubing. The 2" tube is plastisol coated to approximately 2-3/8" OD. Seat arms are made of 4" OD square tubing. No umbrella hole on Direct Bury. **Multi Ped Direct Bury** Table post is made of 4" pipe. Seat Post is made of 3" pipe. Bottom of post is sealed and has horizontal 1/2" rebar extensions for securing in concrete. All above are plastisol coated with UV and fungus resistant oven cured plastisol to a thickness of approximately 1/8". All hardware is .304 stainless steel. **Pipe has no holes to allow access by bees or other insects.**

Specifications for Square and Rectangle Kid's Picnic Table: Top and Seat: HR steel $\frac{3}{4}$ " #9 standard expanded metal or 14 gauge perforated steel. Seat measures 10" across. Attached perimeter frame and supporting structure is made from HR steel. A 2" schedule 40 pipe is welded in the center of top. When coated will accept a 1.625" diameter umbrella pole (free standing only). **Free Standing Legs:** Completely sealed pipe that measures 1.66" OD for the square table and 1.90" OD for rectangle table prior to plastisol (PVC) coating. **X Brace** (on square kid's table only) is HR steel. All above are plastisol coated with UV and fungus resistant oven cured plastisol to a thickness of approximately 1/8". All hardware is .304 stainless steel. **Pipe has no holes to allow access by bees or other insects.**

Specifications for Champion Benches: Bench Seat and Back HR steel $\frac{3}{4}$ " #9 standard expanded metal or 14 gauge perforated steel. Seat measures 10" across for Standard Champion, 15" for Supreme. Attached perimeter frame and supporting structure is made from HR steel. **Bench Legs** are made of 1.9" OD round pipe. **Wall Mount Supports** are made of 1.9" OD round pipe and 3/16" x 2" HR flat and 1/4" x 3" HR flat steel. All Above are plastisol (PVC) coated with UV and fungus resistant oven cured plastisol to a thickness of approximately 1/8". All hardware is .304 stainless steel. **Pipe has no holes to allow access by bees or other insects.**

Specifications for Grand Contour Bench: Bench Stands 4' and 6' bench stands made of 2-3/8" OD pipe. Inline and 45 degree benches stands made of 1.66 OD pipe. **Swing Frame** Post is 2" schedule 40 pipe. Swivel is galvanized cast iron with bronze bushing. Chain is 3/16" proof coil grade 30. **Expanded Seat** HR steel $\frac{3}{4}$ " #9 standard expanded metal. **Welded Rod Seat** .192 welded rod. **Laser Seat** 14 gauge HR steel. Side frame of 1/4" HR plate, width frame of 1/4" x 1" HR steel. All Above are plastisol (PVC) coated with UV and fungus resistant oven cured plastisol to a thickness of approximately 1/8". All hardware is .304 stainless steel. **Pipe has no holes to allow access by bees or other insects.**

Specifications for Grand Contour Swing: Swing Frame Post is 2" schedule 40 pipe. Swivel is galvanized cast iron with bronze bushing. Chain is 3/16" proof coil grade 30. **Expanded Metal Seat** HR steel $\frac{3}{4}$ " #9 standard expanded metal. **Welded Rod Seat** made of .192 welded rod. **Laser Cut Steel Seat** is 14 gauge HR steel. Seat side frame is made of 1/4" HR plate, width frame made of 1/4" x 1" HR steel. All above are coated with UV and fungus resistant plastisol to a thickness of 1/8". All hardware is .305 stainless steel. **Pipe has no holes to allow access by bees or other insects.**

Specifications for Patio and Bar Table: Expanded Metal Top HR steel $\frac{3}{4}$ " #9 standard expanded metal. **Laser Cut Steel Top** 14 gauge HR steel. Attached perimeter frame and supporting structure is made from HR steel.

Specifications for Patio and Bar Chair: Expanded Metal Seat HR steel $\frac{3}{4}$ " #9 standard expanded metal. **Welded Rod Seat** .192 welded rod. **Laser Seat** 14 gauge HR steel. **Side Frame** 10 ga HR plate. **Legs** 1/2" pipe. All Above are plastisol (PVC) coated with UV and fungus resistant oven cured plastisol to a thickness of approximately 1/8". All hardware is .304 stainless steel. **Pipe has no holes to allow access by bees or other insects.**

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Last updated June, 2017

Specifications for Chaise Lounge: Lounge Chair Seat and Back HR steel 3/4" #9 flat expanded metal. Seat measures across 22-1/4" across. Attached perimeter frame and supporting structure is made from HR steel. **Lounge Chair Base Frame** is 1-1/4" pipe. All above are coated with UV and fungus resistant plastisol to a thickness of 1/8". **Pipe has no holes to allow access to bees or other insects.**

Specifications for Bike Rack: Gate Style Ends and bottom rail are made out of plastic coated pipe that measures 2-3/8" OD. Bike fence is made of plastic coated pipe that measures 1-5/16" and 2-3/8" OD. All above are coated with UV and fungus resistant plastisol to a thickness of 1/8". **Loop Style** Made of 2" (ID) schedule 40 pipe that is 2-3/8" OD prior to coating. Surface Mount base plates made of 8" diameter 3/16" HR steel plate which is solidly welded to loop. Direct Bury 1/4" HR steel cross rods are welded on pipe below grade to impede movement in a poured concrete foundation. All above are coated with UV and fungus resistant plastisol to a thickness of 1/8". **T-Post Style** Made of 2" pipe and 1/2" schedule 40. Base is made of 3/16" HR steel plate. All above are coated with UV and fungus resistant plastisol to a thickness of 1/8". **Pipe has no holes to allow access to bees or other insects.**

Specifications for Receptacle and Planter: Base is made of 10 gauge HR steel. Optional surface mounting plate included. **Top** is made of 16 gauge HR steel. **Receptacle Arch Lid** is made of 16 gauge HR steel. **Side Bars** are made of 11 gauge steel. **Expanded Metal Sides** for square receptacle and planter are made of 3/4" #9 expanded metal. Round receptacle sides are made of 3/4" #9 flat expanded metal. **Welded Rod Sides** are made of .192 welded rod. **Laser Cut Steel Sides** are 12 gauge HR steel. **Perforated Sides** are made of 14 gauge steel. All above are coated with UV and fungus resistant plastisol to a thickness of 1/8". All hardware is .305 stainless steel.

Specifications for Plastisol (PVC) Polyvinyl Chloride Coating:

Material: Plastisol (PVC) shall have:

Antimicrobial (non-leaching) to help prevent microbiological attack on the plastisol (PVC) surface that can cause the loss of aesthetic appearance, mildew odors, embrittlement and premature product failure. Testing Data available Per ASTM G21-90.

Tensile strength of no less than 1800 psi per ASTM D412.

Elongation of no less than 200% per ASTM D412

Tear strength of no less than 300lb/in per ASTM D624.

Hardness of 90 ± 5 (Durometer, Shore A (Instant)) per ASTM D2240.

Flammability – Pass per FMVSS 302

UV stabilized – guaranteed to not show significant fading for 5 years per written warranty

Process: Prior to plastisol coating, each part shall be chemically washed, dried, heated and coated in a heat activated primer and dried.

After drying, each part shall be pre-heated in a convection oven to a temperature of no less than 400° F, dipped into liquid Plastisol (PVC) and cured in a convection oven at a temperature no less than 350° F. **All parts shall have a coating thickness of .125"-.25".**

Premier Polysteel products are completely plastisol coated (frames and legs included) with a thick, UV stabilized, mold and mildew resistant plastisol coating which is compliant with worldwide standards. Premier Polysteel is committed to being an environmentally conscious company and recognizes the importance of being committed to continually finding ways to support our environment.

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