



The Play & Recreation Experts

1-800-573-7529

www.proplaygrounds.com

Playground Product Specifications

All of the playground equipment we sell is commercial grade and made of the highest quality materials, which meet or exceed required ASTM guidelines, and meet ISO 9001. All of our products are IPEMA certified and comply with CPSC guidelines. Our long list of certifications and qualifications include the following: ISO 9001, IPEMA, ASTM-1487, ASTM CSA-Z614 and EN1176.

Technical Playground Manufacturing Specs:

KIDSPLAY SERIES

3.5" O.D. vertical posts

36" deck grid / 48" deck grid

ALUMINUM CLAMP

24" diameter plastic / 30" diameter plastic

13 gauge galvanized steel (3.5")

50,000 PSI yield strength (ASTM E-8)

55,000 PSI tensile strength (ASTM E-8)

Triple Flo-Coated corrosion protection (interior and exterior)

Interior and exterior corrosion resistance (ASTM B-117)

Contains a minimum of 30% recycled steel and is 95%-98% recyclable

Manufactured per ASTM 500

Limited lifetime warranty

CLASSIC SERIES

4.5" O.D. vertical posts

42" deck grid

DIRECT BOLT SYSTEM

11 gauge galvanized steel (4.5")

50,000 PSI yield strength (ASTM E-8)

55,000 PSI tensile strength (ASTM E-8)

Triple Flo-Coated corrosion protection (interior and exterior)

Interior and exterior corrosion resistance (ASTM B-117)

Contains a minimum of 30% recycled steel and is 95%-98% recyclable

Manufactured per ASTM 500

Limited lifetime warranty

MAXFUN SERIES

Treehouse, Pirate ship, and Spaceship

5" O.D. vertical posts

48" deck grid



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ALUMINUM CLAMP

11 gauge galvanized steel (5") Maxfun Series
50,000 PSI yield strength (ASTM E-8)
55,000 PSI tensile strength (ASTM E-8)
Triple Flo-Coated corrosion protection (interior and exterior)
Interior and exterior corrosion resistance (ASTM B-117)
Contains a minimum of 30% recycled steel and is 95%-98% recyclable
Manufactured per ASTM 500
Limited lifetime warranty

PIPE

1-1/4" O.D. ROUND

14 gauge galvanized steel
55,000 PSI tensile strength (ASTM E-8) -8)
Triple Flo-Coated corrosion protection (interior and exterior)
Interior and exterior corrosion resistance (ASTM B-117)
Contains a minimum of 30% recycled steel and is 95%-98% recyclable
Manufactured per ASTM 500
Limited 15-year warranty when used as rail, rung, loop, etc.

1.66" O.D. ROUND

13 gauge galvanized steel
50,000 PSI yield strength (ASTM E-8)
55,000 PSI tensile strength (ASTM E-8)
Triple Flo-Coated corrosion protection (interior and exterior)
Interior and exterior corrosion resistance (ASTM B-117)
Contains a minimum of 30% recycled steel and is 95%-98% recyclable
Manufactured per ASTM 500
Limited 15-year warranty when used as rail, rung, loop, etc.

1.90" O.D. ROUND

13 gauge galvanized steel
50,000 PSI yield strength (ASTM E-8)
55,000 PSI tensile strength (ASTM E-8)
Triple Flo-Coated corrosion protection (interior and exterior)
Interior and exterior corrosion resistance (ASTM B-117)
Contains a minimum of 30% recycled steel and is 95%-98% recyclable
Manufactured per ASTM 500
Limited 15-year warranty when used as rail, rung, loop, etc.

2-3/8" O.D. ROUND

13 gauge galvanized steel / 9 gauge steel (Bi-pod/Tri-pod swing top bar)
50,000 PSI yield strength (ASTM E-8)
55,000 PSI tensile strength (ASTM E-8)
Triple Flo-Coated corrosion protection (interior and exterior)
Interior and exterior corrosion resistance (ASTM B-117)



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Contains a minimum of 30% recycled steel and is 95%-98% recyclable

Manufactured per ASTM 500

Limited 15-year warranty when used as rail, rung, loop, etc.

3.5" O.D. ROUND

13 gauge galvanized steel (3.5" Journey Series)

50,000 PSI yield strength (ASTM E-8)

55,000 PSI tensile strength (ASTM E-8)

Triple Flo-Coated corrosion protection (interior and exterior)

Interior and exterior corrosion resistance (ASTM B-117)

Contains a minimum of 30% recycled steel and is 95%-98% recyclable

Manufactured per ASTM 500

Limited 15-year warranty when used as rail, rung, loop, etc.

4" O.D. SQUARE

11 gauge galvanized steel

50,000 PSI yield strength (ASTM E-8)

55,000 PSI tensile strength (ASTM E-8)

Triple Flo-Coated corrosion protection (interior and exterior)

Interior and exterior corrosion resistance (ASTM B-117)

Contains a minimum of 30% recycled steel and is 95%-98% recyclable

Manufactured per ASTM 500

Limited 15-year warranty when used as rail, rung, loop, etc. -year warranty when used as rail, rung, loop, etc.

5" O.D. ROUND

11 gauge galvanized steel (5" Quest Series)

50,000 PSI yield strength (ASTM E-8)

55,000 PSI tensile strength (ASTM E-8)

Triple Flo-Coated corrosion protection (interior and exterior)

Interior and exterior corrosion resistance (ASTM B-117)

Contains a minimum of 30% recycled steel and is 95%-98% recyclable

Manufactured per ASTM 500

Limited 15-year warranty when used as rail, rung, loop, etc.

HARDWARE

Type 304 (18-8) stainless steel

Conforms to ANSI/ASCE-8-90

84 ksi tensile strength

42 ksi yield strength

Security patch to insure screw locks into vertical pipe

Tamper resistant

Limited lifetime warranty

SWINGS



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BI-POD / TRI-POD

FRAME

2-3/8" O.D. round galvanized pipe

9 gauge top bar

13 gauge legs

SWING YOKE

356 aluminum alloy

Heat treated to T-6 specifications

30.0 ksi tensile strength

20.0 ksi yield strength

Powder coat finish

Limited lifetime warranty

ARCH POST SWINGS

3.5" FRAME

3.5" O.D. round galvanized pipe

Pre-treatment wash primer

Powder coat finish

5" FRAME

5" O.D. round galvanized pipe

Pre-treatment wash primer

Powder coat finish

TIRE SWING

5/0 heavy duty chain

SH-40 clevis connector

SH-51 tire swivel

SINGLE 5" POST SWINGS

5" O.D. round galvanized pipe

Powder coat finish Powder coat finish

CLEVIS CONNECTOR (SH-40)

Galvanized, forged steel

Tamper resistant

Galvanized hex pin shoulder bolt

Special tool required for install

Limited 3-year warranty

SWING HANGERS (SH-09 & SH-10)

Grade 32510 hot-dipped, galvanized, malleable iron

Manufactured per ASTM A339-55

Rust proof

Lubrication-free brass bearing

Plated carriage bolts and machine bolts

Will not twist on pipe

SH-09 fits 2-3/8" O.D. pipe

SH-10 fits 3-1/2" O.D. pipe



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Smooth, noiseless action
Limited 3-year warranty
HEAVY DUTY TIRE SWIVEL (SH-51)
Machined steel
90° universal cast steel joint covered by rubber boot
Enamel coating
Grease fittings for easy maintenance
Secured with four plated machine bolts and nylon insert lock nut
3-point mounting system
Sealed needle bearings
Limited 3-year warranty
H-50 EXTRA HEAVY DUTY CHAIN
Hot dipped, galvanized for rust prevention
1/4" chain links
Welded link coil
Limited 3-year warranty

CHIN-UP BARS

1-1/4" O.D. round galvanized steel
3.5" O.D. vertical posts
Powder coat finish
DECKS / PLATFORMS / ARCH BRIDGE / ADA PLATFORM
12 gauge HRPO steel
Perforated surface
Polyvinyl Chloride (PVC) coating
1.25" on center spacing between perforations
Limited 15-year warranty

POLY SHEET (ACTIVITY PANELS / ROCK WALL CLIMBER / PANEL GATE / RIDER BODY / LILY PAD STEPS / PANEL LADDER / CHALLENGE BRIDGE STEPS)

Y SHEET (ACTIVITY PANELS / ROCK WALL CLIMBER / PANEL GATE / RIDER BODY / LILY PAD STEPS / PANEL LADDER / CHALLENGE BRIDGE STEPS)

3/4" high density polyethylene sheeting (Densetec 100)
Tested in accordance with ASTM D1928 Procedure C
4,400 psi tensile strength (ASTM D638)
Textured finish
UV stabilized
9 color options
Limited 15-year warranty

GRAB HANDLE

1-1/4" O.D. round galvanized steel
Pre-treatment wash primer



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Powder coat finish

KICK PLATES

12 gauge galvneal steel sheet metal

TALK TUBE CONE

Aluminum alloy (ANSI AA319.0 f)

27 ksi tensile strength (ultimate)

18 ksi tensile strength (yield)

19 ksi compressive strength (yield)

Powder coat finish

POST

1-1/4" O.D. round steel tube

Powder coat finish

THREE WHEEL SWINGER FRAME

2-3/8" O.D. round steel tube

Pre-treatment wash primer

Powder coat finish

WHEELS

1-1/4" O.D. round steel tube

Pre-treatment wash primer

Powder coat finish

RUNG LADDER (FREESTANDING ONLY)

1-1/4" O.D. round steel tube

Pre-treatment wash primer

Powder coat finish

HORIZONTAL LADDERS (STANDARD / 180 DEGREE)

TOP RAIL

2-3/8" O.D. round steel tube

Pre-treatment wash primer

Powder coat finish

END PIPES

1.9" O.D. round steel tube

Pre-treatment wash primer

Powder coat finish



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HAND RAIL

1-1/4" O.D. round steel tube

Pre-treatment wash primer

Powder coat finish

PLASTICS (TUBES / SLIDES / HEX ROOF / PYRAMID ROOF / HOODS /
SPINNERS CRAWL TUNNELS / COLORED LANDSCAPE TIMERS)

1st quality linear low density Polyethylene (LDPE) – ExxonMobil LL8450

Rotational molded

3/8" wall thickness

2,550 psi tensile strength (ASTM D638)

Mold-in graphics

UV stabilized

Anti-static inhibitors

9 color options

Limited 15-year warranty

BRIDGES

Arched Bridge

BRIDGE

12 gauge HRPO steel

Perforated surface

Polyvinyl Chloride (PVC) coating

1.25" on center spacing between perforations

Limited 15-year warranty

HAND RAILS

1-1/4" O.D. round steel tube

Pre-treatment wash primer

Powder coat finish

Suspension Bridge

BRIDGE

12 gauge HRPO steel

Perforated surface

Polyvinyl Chloride (PVC) coating

1.25" on center spacing between perforations

Limited 15-year warranty

HAND RAILS

1-1/4" O.D. round steel tube

Pre-treatment wash primer

Powder coat finish

Chain Bridge

BRIDGE

4/0 (.218") STR Coil H galvanized chain



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Polyvinyl Chloride (PVC) coating
7/8" O.D. x 18 gauge wall thickness tubing
Limited 15-year warranty

HAND RAILS

1-1/4" O.D. round steel tube - 1/4" O.D. round steel tube
Pre-treatment wash primer
Powder coat finish

Challenge Bridge

BRIDGE

Poly Sheet
1-1/4" O.D. round steel tube
Powder coat finish

HAND RAILS

1-1/4" O.D. round steel tube
Pre-treatment wash primer
Powder coat finish

VERTICAL PICKETS

1-1/4" O.D. round steel tube
Pre-treatment wash primer
Powder coat finish

Lily Pad Bridge

BRIDGE

Poly Sheet
1-1/4" O.D. round steel tube
Powder coat finish

RAILS

1-1/4" O.D. round steel tube
Pre-treatment wash primer
Powder coat finish

VERTICAL PICKETS

2-3/8" O.D. round steel tube
Pre-treatment wash primer
Powder coat finish

SPRING ASSEMBLY FOR RIDERS

COIL SPRING

5160H steel alloy
Carbon Chromium grade of spring steel
5-3/4" O.D. spring
13/16" O.D. bar
Pre-treatment wash primer
Black powder coat finish



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SLIDES (TRIPLE RAIL / 90° CURVE / DOUBLE WALL / DOUBLE WIDE / WAVE / CHUTE / ALPINE THUNDER / SPIRAL / TUBE SLIDES)

1st quality linear low density Polyethylene (LDPE) – ExxonMobil LL8450 rotational molded
3/8" wall thickness

2,550 psi tensile strength (ASTM D638)

Mold-in graphics

UV stabilized

Anti-static inhibitors

9 color options

Limited 15-year warranty

Triple Rail / Double Wide slide mount on 48" wide deck (use 3'x4' rectangle deck on SLIDE FOOT)

3.5" O.D. support post

Pre-treatment wash primer

Powder coat finish

SLIDE SUPPORT

3.5" O.D. galvanized steel support post

Post manufactured per ASTM 500

Plate manufactured per ASTM A90, A568, A902, A924, D2092, E517, E646 and ISO3575

Limited lifetime warranty

Pre-treatment wash primer

Powder coat finish

LOG ROLL

LOG

Plastic

GRAB HANDLES

1-1/4" O.D. round steel tube

Pre-treatment wash primer

Powder coat finish

CLIMBER (EDUCATION)

EDUCATION CLIMBER

Plastic

Mounts on 48" wide deck (uses 3'x4' rectangle deck on Journey Series)

GATED ENTRY

1-1/4" O.D. pipe

Pre-treatment wash primer

Powder coat finish

WIDE SLIDE FOOT

1-1/4" O.D. pipe



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12 gauge galvanized steel L-bracket
Pre-treatment wash primer
Powder coat finish

CLIMBER (CLOVER, COIL, SNAKE, TREE, DEEP RUNG ARCH, MOUNTAIN)

CENTER POLE

1.90" O.D. galvanized pipe
Pre-treatment wash primer
Powder coat finish

HAND/FOOT RUNGS

1-1/4" O.D. galvanized pipe
Pre-treatment wash primer
Powder coat finish

GATED ENTRY

1-1/4" O.D. pipe
Pre-treatment wash primer
Powder coat finish

BRACKET

9 gauge galvanized flat steel
Pre-treatment wash primer
Powder coat finish

CLIMBER (CARGO NET)

CLIMBER

4/0 (.218") STR Coil H galvanized chain
Polyvinyl Chloride (PVC) coating
7/8" O.D. x 18 gauge wall thickness tubing
Limited 15-year warranty

BRACKET

9 gauge galvanized flat steel
Pre-treatment wash primer
Powder coat finish

GATED ENTRY

1-1/4" O.D. galvanized pipe
Pre-treatment wash primer
Powder coat finish

CLIMBER (BEDROCK)

CLIMBER

Plastic

Mounts on 48" wide deck (uses 3'x4' rectangle deck on Journey Series)

GATED ENTRY

1-1/4" O.D. galvanized pipe
Pre-treatment wash primer
Powder coat finish



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CLIMBER (LILY PAD)

LILY PAD

Poly sheet

GATED ENTRY

1-1/4" O.D. galvanized pipe

Pre-treatment wash primer

Powder coat finish

SUPPORT POSTS

3.5" O.D. galvanized pipe

Pre-treatment wash primer

Powder coat finish

PIPE WALL

1-1/4" O.D. galvanized steel support post

Pre-treatment wash primer

Powder coat finish

STAIRS

TREADS & STRINGERS

12 gauge HR steel

Perforated surface

1.25" on center between perforations

Polyvinyl Chloride (PVC) coating

Limited 15-year warranty

ROD

1/4" diameter rod

HANDRAILS & GATES

1-1/4" O.D. pipe

Pre-treatment wash primer

Powder coat finish

BALANCE BEAM (ZIG ZAG & STRAIGHT)

BEAM

4" O.D. square steel tube

Pre-treatment wash primer

Powder coat finish

SUPPORT POSTS

2-3/8" O.D. round steel tube

Pre-treatment wash primer

Powder coat finish

TRAPEZE BAR

BAR

1.25" o.d. round steel tube



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Pre-treatment wash primer
Powder coat finish
TRAPEZE RING
A-09 ring
Blue Plastisol coating
Grip diameter: 1-1/4"
Complies with ASTM and CPSC requirements

DOMES

GE Plastics Lexan XL-10
1/8" thick
Vacuum formed
UV stabilized
Crack/Break/Shatter resistant
Self-extinguishing
UV-94-HB fire rating
Limited 15-year warranty

PRE-TREATMENT WASH PRIMER

4860-420 primer / 1000-44 activator
Polyvinyl-butylal resin based primer
Used on all milled steel and all weld joints
Designed to give adhesion along to a wide variety of metal substrates
Provides added metal protection against rust
Imparts extra durability to topcoat (powder coat)
When reduced properly, it meets the definition of a "pre-treatment" primer found in many air quality regulations

COATINGS

Powder Coating
TGIC polyester
Electrostatic application
Baked-on @ 400 degrees
5-7 mills thick
Lead free
High gloss
No peel / No flake finish
Resistant to salt spray (ASTM B-117)

Resistant to humidity (ASTM D-2247)
Direct/Indirect impact 120 in. pounds (ASTM D-2794)
Good to excellent resistance to most solvents, oils, acids and alkalis
13 color options
Polyvinyl chloride (PVC) Coating



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MISTAFLEX V4612

80-100 mills thick

Shore A, 65-70 durometer min. hardness (ASTM D2240-66T)

1,000 psi minimum tensile strength (ASTM D638, ASTM D412)

Resistant to abrasion (ASTM D4060)

UV stabilized

Self-extinguishing

Shows less dirt

Used on decks, stairs, ramps and most bridges

Increased traction

5 color options