

# Play Fundamentals

International Collection

Equipment Manufacturer



## IPL-1421

AGES: 3-14

PLAY EVENTS: 13

USE ZONES: 13,02m x 11,25m

WEIGHT: 1183kg

SIZE: 9,34m x 6,77m x 3,97m

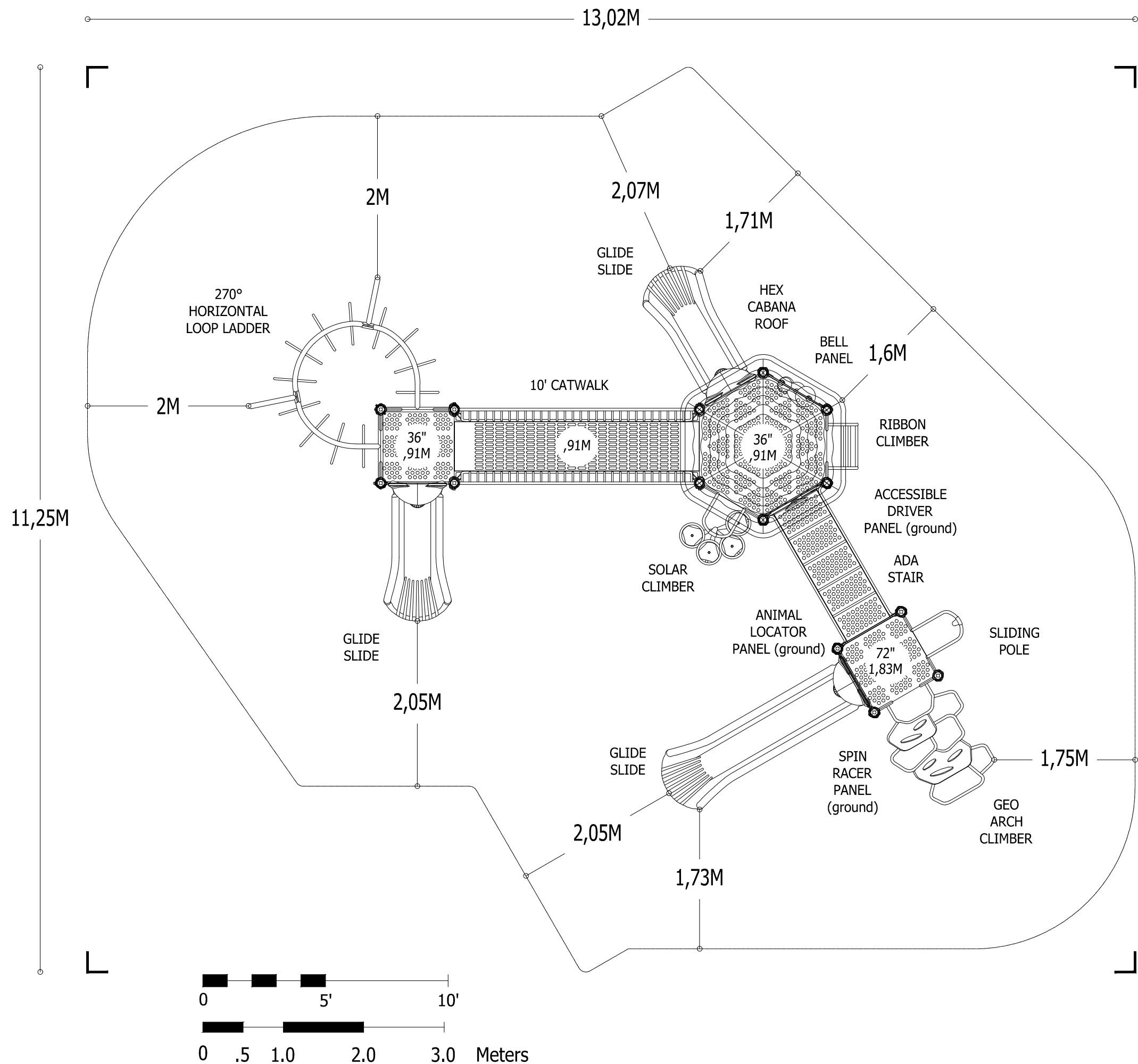
CAPACITY: 42

TO INSTALL: 43.50 hours



FRONT

BACK



PLAYWORLD SYSTEMS, INC.  
 1000 Buffalo Road  
 Lewisburg, PA  
 17837-9795 USA

EQUIPMENT SIZE:  
**9,27M x 6,75M x 3,89M**

USE ZONE:  
**13,02M x 11,25M**

AREA: 104,67M<sup>2</sup>

PERIMETER: 39,57M

FALL HEIGHT:  
**2,2M**

USER CAPACITY: **42**

AGE GROUP: **3-14**

EN-1176

PROJECT NO:  
**IPL-1421B**

SCALE:  
**1:50**

DRAWN BY:  
**I. PERKINS**

Paper Size

DATE:  
**02-FEB-16**

**A3**

\*PLAYGROUND SUPERVISION REQUIRED

**IPL-1421**  
 CATALOG PRE-DESIGN

# IPL-1421B

Design Number: IPL-1421B - Bill Of Material

Ref. No.	Part No.	Description	Quantity
<b>Posts</b>			
1	ZZCH0018	3.5in OD x 124in STEEL POST W/RIVETED CAP	1
2	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	3
3	ZZCH0048	3.5in OD x 160in STEEL POST W/ RIVETED CAP	4
4	ZZCH0049	3.5in OD x 160in STEEL POST W/O CAP	6
<b>Decks &amp; Kick Plates</b>			
5	ZZCH0616	SQUARE COATED DECK ASSEMBLY	2
6	zzCH0619	FULL HEX COATED DECK ASSEMBLY	1
<b>Slides</b>			
7	ZZCH2696	GLIDE SLIDE (72in DECK)	1
8	ZZCH3127	GLIDE SLIDE (36in DECK)	2
9	ZZCH8090	SLIDING POLE (72in DECK)	1
<b>Activity Panels</b>			
10	ZZCH4329	ANIMAL LOCATOR PANEL (GROUND LEVEL)	1
11	ZZCH4406	ACCESSIBLE DRIVING PANEL	1
12	ZZch4538	SPIN RACER PANEL (GROUND LEVEL)	1
<b>Barriers</b>			
13	ZZCH4288	ACCESS GATE	2
<b>Climbers</b>			
14	ZZCH7008	GEO ARCH CLIMBER (72in DK)	1
15	ZZCH7657	SOLAR CLIMBER (36in & 30in DECK)	1
16	ZZCH8289	RIBBON CLIMBER (36in DECK)	1
<b>Overhead Events</b>			
17	ZZCH5716	270 DEGREE HORIZONTAL LOOP LADDER	1
<b>Bridges</b>			
18	ZZCH6895	10ft CATWALK	1
<b>Audible Activities</b>			
19	ZZCH4588	BELL PANEL	1
<b>Roofs &amp; Arches</b>			
20	ZZCH9858	CH HEX CABANA ROOF	1
<b>Stairs and Ladders</b>			
21	ZZCH9177	36in ACCESS STEPPED PLATFORM (DECK TO DECK)	1
<b>Additional Tool &amp; Maintenance Kits</b>			
22	ZZCHGUID	CHALLENGER GUIDELINES	1
23	ZZUN9910	SURFACING WARNING LABEL KIT	1
24	ZZUN9935	PIPE SYSTEMS MAINTENANCE KIT W/O AEROSOL	1
25	ZZUN9995	TOOL AND ADDITIONAL PARTS KIT W/O AEROSOL	1
26	ZZXX0049	EN & JPFA HOLE PLUG KIT FOR ECO-ARMOR (150 COUNT)	1
27	ZZXX0109	EN-1176 LABEL	1

# IPL-1421B

Post/Installation: Steel-Footed

Design Number: IPL-1421B - Pricing Schedule  
2016 Pricing

Ref. No.	Part No.	Qty.	Description	Unit Weight (lbs)	Unit List (US\$)	Total Weight (lbs)	Total List (US\$)
<b>Modular Playscape:</b>							
<b>Posts</b>							
1	ZZCH0018	1	3.5in OD x 124in STEEL POST W/RIVETED CAP	38.91	164.00	38.91	164.00
2	ZZCH0028	3	3.5in OD x 136in STEEL POST W/ RIVETED CAP	43.51	175.00	130.53	525.00
3	ZZCH0048	4	3.5in OD x 160in STEEL POST W/ RIVETED CAP	50.21	192.00	200.84	768.00
4	ZZCH0049	6	3.5in OD x 160in STEEL POST W/O CAP	49.91	150.00	299.46	900.00
<b>Decks &amp; Kick Plates</b>							
5	ZZCH0616	2	SQUARE COATED DECK ASSEMBLY	54.86	791.00	109.72	1,582.00
6	zzCH0619	1	FULL HEX COATED DECK ASSEMBLY	151.26	1,687.00	151.26	1,687.00
<b>Slides</b>							
7	ZZCH2696	1	GLIDE SLIDE (72in DECK)	151.63	1,690.00	151.63	1,690.00
8	ZZCH3127	2	GLIDE SLIDE (36in DECK)	99.73	1,004.00	199.46	2,008.00
9	ZZCH8090	1	SLIDING POLE (72in DECK)	59.63	675.00	59.63	675.00
<b>Activity Panels</b>							
10	ZZCH4329	1	ANIMAL LOCATOR PANEL (GROUND LEVEL)	44.49	1,074.00	44.49	1,074.00
11	ZZCH4406	1	ACCESSIBLE DRIVING PANEL	24.07	639.00	24.07	639.00
12	ZZch4538	1	SPIN RACER PANEL (GROUND LEVEL)	47.14	1,030.00	47.14	1,030.00
<b>Barriers</b>							
13	ZZCH4288	2	ACCESS GATE	17.34	278.00	34.68	556.00
<b>Climbers</b>							
14	ZZCH7008	1	GEO ARCH CLIMBER (72in DK)	80.01	1,404.00	80.01	1,404.00
15	ZZCH7657	1	SOLAR CLIMBER (36in & 30in DECK)	79.63	1,587.00	79.63	1,587.00
16	ZZCH8289	1	RIBBON CLIMBER (36in DECK)	35.02	526.00	35.02	526.00
<b>Overhead Events</b>							
17	ZZCH5716	1	270 DEGREE HORIZONTAL LOOP LADDER	163.86	2,567.00	163.86	2,567.00
<b>Bridges</b>							
18	ZZCH6895	1	10ft CATWALK	315.56	3,408.00	315.56	3,408.00
<b>Audible Activities</b>							
19	ZZCH4588	1	BELL PANEL	46.07	963.00	46.07	963.00
<b>Roofs &amp; Arches</b>							
20	ZZCH9858	1	CH HEX CABANA ROOF	194.15	2,014.00	194.15	2,014.00
<b>Stairs and Ladders</b>							
21	ZZCH9177	1	36in ACCESS STEPPED PLATFORM (DECK TO DECK)	217.24	2,828.00	217.24	2,828.00
<b>Additional Tool &amp; Maintenance Kits</b>							
22	ZZCHGUID	1	CHALLENGER GUIDELINES	0	0.00	0.00	0.00
23	ZZUN9910	1	SURFACING WARNING LABEL KIT	0.05	0.00	0.05	0.00



# IPL-1421B

Post/Installation: Steel-Footed

Design Number: IPL-1421B - Pricing Schedule  
2016 Pricing

Ref. No.	Part No.	Qty.	Description	Unit Weight (lbs)	Unit List (US\$)	Total Weight (lbs)	Total List (US\$)
24	ZZUN9935	1	PIPE SYSTEMS MAINTENANCE KIT W/O AEROSOL	0	0.00	0.00	0.00
25	ZZUN9995	1	TOOL AND ADDITIONAL PARTS KIT W/O AEROSOL	0	0.00	0.00	0.00
26	ZZXX0049	1	EN & JPFA HOLE PLUG KIT FOR ECO-ARMOR (150 COUNT)	4.51	0.00	4.51	0.00
27	ZZXX0109	1	EN-1176 LABEL	0.01	0.00	0.01	0.00
<b>Total:</b>						<b>2,627.93</b>	<b>28,595.00</b>

## Independent Items:

<b>Total:</b>	<b>0.00</b>	<b>0.00</b>
<b>Grand Total:</b>	<b>2,627.93</b>	<b>28,595.00</b>

Please Note:

1. When placing an order for this project, the drawing number is representative of the Playmakers, Challengers or Explorers playstructure only. Items listed under 'Independent Items' must be listed on your purchase order separately to be included.



# IPL-1421B

Design Number: IPL-1421B - Compliance and Technical Data

Reference Document: EN1176:2008

Ref. No.	Part No.	Qty.	Description	Unit EN Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	Post-Consumer Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
1	ZZCH0018	1	3.5in OD x 124in STEEL POST W/RIVETED CAP	Certified	38.91			54	0	1.00	0.13	0
2	ZZCH0028	3	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	130.53			176	0	3.00	0.38	0
3	ZZCH0048	4	3.5in OD x 160in STEEL POST W/ RIVETED CAP	Certified	200.84			272	0	4.00	0.50	0
4	ZZCH0049	6	3.5in OD x 160in STEEL POST W/O CAP	Certified	299.46			381	0	6.00	0.75	0
5	ZZCH0616	2	SQUARE COATED DECK ASSEMBLY	Certified	109.72			348	6	2.00	0.00	0
6	zzCH0619	1	FULL HEX COATED DECK ASSEMBLY	Certified	151.26			444	6	1.50	0.00	0
7	ZZCH2696	1	GLIDE SLIDE (72in DECK)	Certified	151.63			653	2	2.00	0.03	1
8	ZZCH3127	2	GLIDE SLIDE (36in DECK)	Certified	199.46			748	6	4.00	0.06	2
9	ZZCH8090	1	SLIDING POLE (72in DECK)	Certified	59.63			161	1	1.50	0.03	1
10	ZZCH4329	1	ANIMAL LOCATOR PANEL (GROUND LEVEL)	Certified	44.49			351	1	0.50	0.00	1
11	ZZCH4406	1	ACCESSIBLE DRIVING PANEL	Certified	24.07			202	1	0.50	0.00	1
12	ZZch4538	1	SPIN RACER PANEL (GROUND LEVEL)	Certified	47.14			414	3	1.00	0.00	1
13	ZZCH4288	2	ACCESS GATE	Certified	34.68			131	0	1.00	0.00	0
14	ZZCH7008	1	GEO ARCH CLIMBER (72in DK)	Certified	80.01			250	2	2.00	0.06	1
15	ZZCH7657	1	SOLAR CLIMBER (36in & 30in DECK)	Certified	79.63			236	2	1.50	0.03	1
16	ZZCH8289	1	RIBBON CLIMBER (36in DECK)	Certified	35.02			101	2	1.50	0.06	1
17	ZZCH5716	1	270 DEGREE HORIZONTAL LOOP LADDER	Certified	163.86			323	3	2.00	0.06	1
18	ZZCH6895	1	10ft CATWALK	Certified	315.56			602	3	4.00	0.00	1
19	ZZCH4588	1	BELL PANEL	Certified	46.07			357	2	1.00	0.00	1
20	ZZCH9858	1	CH HEX CABANA ROOF	Certified	194.15			818	0	1.00	0.00	0
21	ZZCH9177	1	36in ACCESS STEPPED PLATFORM (DECK TO DECK)	Certified	217.24			550	2	1.50	0.00	0
22	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
23	ZZUN9910	1	SURFACING WARNING LABEL KIT	N/A	0.05			1	0	0.25	0.00	0
24	ZZUN9935	1	PIPE SYSTEMS MAINTENANCE KIT W/O AEROSOL	N/A				57				



# IPL-1421B

Design Number: IPL-1421B - Compliance and Technical Data

Reference Document: EN1176:2008

Ref. No.	Part No.	Qty.	Description	Unit EN Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	Post-Consumer Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
25	ZZUN9995	1	TOOL AND ADDITIONAL PARTS KIT W/O AEROSOL	N/A				42				
26	ZZXX0049	1	EN & JPFA HOLE PLUG KIT FOR ECO-ARMOR (150 COUNT)	Certified	4.51			158	0	0.00	0.00	0
27	ZZXX0109	1	EN-1176 LABEL	Certified	0.01			0	0	0.50	0.00	0
<b>Totals:</b>					<b>2,627.93</b>	<b>373</b>	<b>749</b>	<b>7,830</b>	<b>42</b>	<b>43.50</b>	<b>2.08</b>	<b>13</b>
					<b>1,182.57 Kg</b>	<b>168 Kg</b>	<b>337 Kg</b>	<b>8 Metric Tons</b>				<b>1.58 m3</b>



# IPL-1421B

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Ref. No.	Part No.	Qty.	Description	Unit EN Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	Post-Consumer Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
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## EN1176:2008

This custom structure, drawing number IPL-1421B, has been designed to meet the general safety requirements of EN1176:2008. These requirements have been established with the consideration of the risk factor on available data. The items listed as certified have been reviewed and approved by a third party certification service. In addition to the product listing the overall layout and design of this structure, as shown in the plan, was completed in accordance with the general safety requirements of EN1176:2008.

## Installation Times

Installation times are based on one experienced installer. A crew of three experienced individuals can perform the installation within the given time, each member working 1/3 of the given hours. [E.g. Installation Time = 30 hours. For a crew of three, each member will work 10 hours on the installation for a total of 30 hours on the project.]

## Carbon Footprint

The CO2e (carbon footprint given in Kilograms and Metric Tons) listed above is a measure of the environmental impact this play structure represents from harvesting raw materials to the time it leaves our shipping dock. Playworld Systems nurtures a total corporate culture that is focused on eliminating carbon producing processes and products, reducing our use of precious raw materials, reusing materials whenever possible and recycling materials at every opportunity. Playworld Systems elected to adopt the Publicly Available Specification; PAS 2050 as published by the British Standards Institute and sponsored by Defra and the Carbon Trust. The PAS 2050 has gained international acceptance as a specification that measures the greenhouse gas emissions in services and goods throughout their entire life cycle.

## Pre-Consumer Recycle Content

A measurement, in pounds, that qualifies the amount of material that was captured as waste and diverted from landfill during an initial manufacturing process and is being redirected to a separate manufacturing process to become a different product. E.g. 100% of our Aluminum Tubing is made from captured waste material during the manufacturing process of extruded Aluminum products such as rods, flat bars and H-channels.

## Post-Consumer Recycle Content

A measurement, in pounds, that qualifies the amount of material that was once another product that has completed its lifecycle and has been diverted from a landfill as a solid waste through recycling and is now being used in a Playworld Systems' product. E.g. \*\*20% to 40% of the steel in our steel tubing and sheet steel have been diverted from landfills. Automobiles are scrapped and recyclable steel is purchased by the steel mill that produces our raw product.

\*\* The amount of Post-Consumer recycled steel fluctuates daily based on the availability of the recycled steel.