

# Play Fundamentals

International Collection

Equipment Manufacturer



## IPL-1422

- AGES: 3-14
- PLAY EVENTS: 11
- USE ZONES: 13,21m x 10,59m
- WEIGHT: 1151 kg
- SIZE: 9,67m x 7,09m x 3,47m
- CAPACITY: 34
- TO INSTALL: 38.25 hours



FRONT



BACK



# IPL-1422B

Design Number: IPL-1422B - Bill Of Material

Ref. No.	Part No.	Description	Quantity
<b>Posts</b>			
1	ZZCH0018	3.5in OD x 124in STEEL POST W/RIVETED CAP	2
2	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	4
3	ZZCH0048	3.5in OD x 160in STEEL POST W/ RIVETED CAP	4
<b>Decks &amp; Kick Plates</b>			
4	ZZCH0616	SQUARE COATED DECK ASSEMBLY	2
<b>ADA Items</b>			
5	ZZCH2008	TRANSFER STATION w/BARRIERS (36in DECK)	1
6	ZZUN2019	APPROACH STEP FOR TRANSFER STATION	1
<b>Slides</b>			
7	ZZCH2696	GLIDE SLIDE (72in DECK)	1
8	ZZCH3537	SLIDE- NUVO 360 SPIRAL SLIDE	1
<b>Activity Panels</b>			
9	ZZCH4297	ABC & 123 PANEL	1
10	ZZCH4487	DRIVE AWAY HALF PANEL	1
<b>Barriers</b>			
11	ZZCH4288	ACCESS GATE	1
<b>Climbers</b>			
12	ZZCH7160	6ft TWISTED CLIMBER	1
13	ZZUN0167	ROCKBLOCKS DECK ACCESS SUPPORT (36in - 48in DECK)	1
14	ZZUN0178	ROCKBLOCKS END SUPPORT (60in WALL)	2
15	ZZUN8360	ROCKBLOCKS END WALL (60in)	1
16	ZZUN8370	ROCKBLOCKS 90 DEGREE WALL (84in TO 60in) RIGHT	1
17	ZZUN8417	THE HELIX (60in & 84in WALL)	1
<b>Overhead Events</b>			
18	ZZCH5770	LEG LIFT	1
19	ZZCH5970	OVERHEAD EVENT ACCESS LADDER (36in DECK)	1
20	ZZCH6966	10ft ROUNDABOUT HORIZONTAL LADDER	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-1422B

Post/Installation: Steel-Footed

Design Number: IPL-1422B - 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	2	3.5in OD x 124in STEEL POST W/RIVETED CAP	38.91	164.00	77.82	328.00
2	ZZCH0028	4	3.5in OD x 136in STEEL POST W/ RIVETED CAP	43.51	175.00	174.04	700.00
3	ZZCH0048	4	3.5in OD x 160in STEEL POST W/ RIVETED CAP	50.21	192.00	200.84	768.00
<b>Decks &amp; Kick Plates</b>							
4	ZZCH0616	2	SQUARE COATED DECK ASSEMBLY	54.86	791.00	109.72	1,582.00
<b>ADA Items</b>							
5	ZZCH2008	1	TRANSFER STATION w/BARRIERS (36in DECK)	180	1,764.00	180.00	1,764.00
6	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	35.83	306.00	35.83	306.00
<b>Slides</b>							
7	ZZCH2696	1	GLIDE SLIDE (72in DECK)	151.63	1,690.00	151.63	1,690.00
8	ZZCH3537	1	SLIDE- NUVO 360 SPIRAL SLIDE	650	4,458.00	650.00	4,458.00
<b>Activity Panels</b>							
9	ZZCH4297	1	ABC & 123 PANEL	39.22	764.00	39.22	764.00
10	ZZCH4487	1	DRIVE AWAY HALF PANEL	45.93	3,963.00	45.93	3,963.00
<b>Barriers</b>							
11	ZZCH4288	1	ACCESS GATE	17.34	278.00	17.34	278.00
<b>Climbers</b>							
12	ZZCH7160	1	6ft TWISTED CLIMBER	117.65	1,638.00	117.65	1,638.00
13	ZZUN0167	1	ROCKBLOCKS DECK ACCESS SUPPORT (36in - 48in DECK)	43.86	401.00	43.86	401.00
14	ZZUN0178	2	ROCKBLOCKS END SUPPORT (60in WALL)	30.62	149.00	61.24	298.00
15	ZZUN8360	1	ROCKBLOCKS END WALL (60in)	76.13	1,000.00	76.13	1,000.00
16	ZZUN8370	1	ROCKBLOCKS 90 DEGREE WALL (84in TO 60in) RIGHT	108.96	1,929.00	108.96	1,929.00
17	ZZUN8417	1	THE HELIX (60in & 84in WALL)	73.35	1,756.00	73.35	1,756.00
<b>Overhead Events</b>							
18	ZZCH5770	1	LEG LIFT	6.76	108.00	6.76	108.00
19	ZZCH5970	1	OVERHEAD EVENT ACCESS LADDER (36in DECK)	25.12	368.00	25.12	368.00
20	ZZCH6966	1	10ft ROUNDABOUT HORIZONTAL LADDER	139.1	1,552.00	139.10	1,552.00
<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



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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>2,556.35</b>	<b>28,479.00</b>

## Independent Items:

<b>Total:</b>	<b>0.00</b>	<b>0.00</b>
<b>Grand Total:</b>	<b>2,556.35</b>	<b>28,479.00</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-1422B

Design Number: IPL-1422B - 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	2	3.5in OD x 124in STEEL POST W/RIVETED CAP	Certified	77.82			108	0	2.00	0.25	0
2	ZZCH0028	4	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	174.04			234	0	4.00	0.50	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	ZZCH0616	2	SQUARE COATED DECK ASSEMBLY	Certified	109.72			348	6	2.00	0.00	0
5	ZZCH2008	1	TRANSFER STATION w/BARRIERS (36in DECK)	Certified	180.00			385	2	2.00	0.09	0
6	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	Certified	35.83			72	1	1.00	0.04	0
7	ZZCH2696	1	GLIDE SLIDE (72in DECK)	Certified	151.63			653	2	2.00	0.03	1
8	ZZCH3537	1	SLIDE- NUVO 360 SPIRAL SLIDE	Certified	650.00			1,417	2	6.00	0.15	1
9	ZZCH4297	1	ABC & 123 PANEL	Certified	39.22			267	1	0.50	0.00	1
10	ZZCH4487	1	DRIVE AWAY HALF PANEL	Certified	45.93			1,271	2	1.50	0.00	1
11	ZZCH4288	1	ACCESS GATE	Certified	17.34			65	0	0.50	0.00	0
12	ZZCH7160	1	6ft TWISTED CLIMBER	Certified	117.65			241	2	2.00	0.60	1
13	ZZUN0167	1	ROCKBLOCKS DECK ACCESS SUPPORT (36in - 48in DECK)	Certified	43.86			70	1	1.00	0.13	1
14	ZZUN0178	2	ROCKBLOCKS END SUPPORT (60in WALL)	Certified	61.24			91	0	2.00	0.26	0
15	ZZUN8360	1	ROCKBLOCKS END WALL (60in)	Certified	76.13			405	2	1.00	0.13	1
16	ZZUN8370	1	ROCKBLOCKS 90 DEGREE WALL (84in TO 60in) RIGHT	Certified	108.96			843	4	0.50	0.00	1
17	ZZUN8417	1	THE HELIX (60in & 84in WALL)	Certified	73.35			101	2	0.75	0.00	1
18	ZZCH5770	1	LEG LIFT	N/A	6.76			30	1	0.50	0.00	1
19	ZZCH5970	1	OVERHEAD EVENT ACCESS LADDER (36in DECK)	Certified	25.12			71	1	1.50	0.06	0
20	ZZCH6966	1	10ft ROUNDABOUT HORIZONTAL LADDER	Certified	139.10			298	3	1.00	0.00	1
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



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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				
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>2,556.35</b>	<b>296</b>	<b>632</b>	<b>8,049</b>	<b>34</b>	<b>38.25</b>	<b>2.74</b>	<b>11</b>
					<b>1,150.36 Kg</b>	<b>133 Kg</b>	<b>284 Kg</b>	<b>8 Metric Tons</b>			<b>2.08 m3</b>	



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## EN1176:2008

This custom structure, drawing number IPL-1422B, 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.

