

# Vortex

IPL-Vortex

Equipment Manufacturer



FRONT



SIDE





Playworld Systems, Inc.  
1000 Buffalo Road  
Lewisburg, PA  
17837-9795 USA

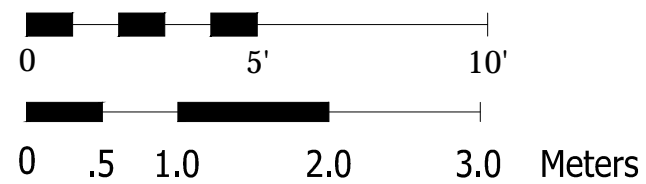
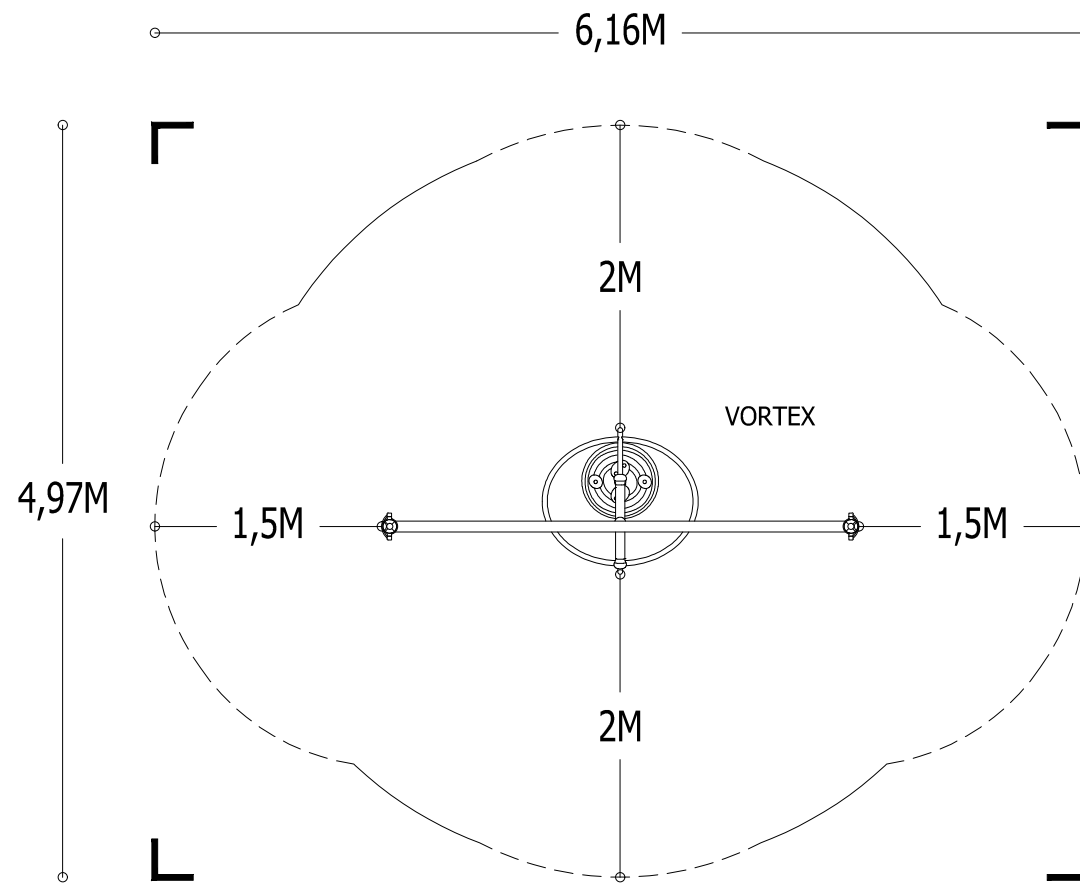
EQUIPMENT SIZE:  
**3,12M x 0,97M x 2,59M**

USE ZONE:  
**6,16M x 4,97M**

AREA: **22,13 SqM.** PERIMETER: **17,12M**

FALL HEIGHT:  
**0,23M**

USER CAPACITY: **1** AGE GROUP: **6-14**



\*PLAYGROUND SUPERVISION REQUIRED

**VORTEX**  
INTERNATIONAL COLLECTION

✓ EN-1176



PROJECT NO:  
**IPL-VORTEX\_A**

SCALE:  
**1:50**

DRAWN BY:  
**M. MERTZ**

Paper Size

DATE:  
**11-SEP-15**

**A3**

# Vortex

Design Number: IPL-VORTEX\_A - Bill Of Material

<b>Ref. No.</b>	<b>Part No.</b>	<b>Description</b>	<b>Quantity</b>
<b>Posts</b>			
1	ZZCH0038GZ	3.5in OD x 148in GROUND ZERO POST	2
<b>GroundZero Balance</b>			
2	ZZCH6810	VORTEX	1
<b>Additional Tool &amp; Maintenance Kits</b>			
3	ZZCHGUID	CHALLENGER GUIDELINES	1
4	ZZUN9910	SURFACING WARNING LABEL KIT	1
5	ZZUN9935	PIPE SYSTEMS MAINTENANCE KIT W/O AEROSOL	1
6	ZZXX0109	EN-1176 LABEL	1

# Vortex

Design Number: IPL-VORTEX\_A - 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	ZZCH0038GZ	2	3.5in OD x 148in GROUND ZERO POST	Certified	94.02			127	0	2.00	0.36	0
2	ZZCH6810	1	VORTEX	Certified	160.91			614	2	3.00	0.13	1
3	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
4	ZZUN9910	1	SURFACING WARNING LABEL KIT	N/A	0.05			1	0	0.25	0.00	0
5	ZZUN9935	1	PIPE SYSTEMS MAINTENANCE KIT W/O AEROSOL	N/A				57				
6	ZZXX0109	1	EN-1176 LABEL	Certified	0.01			0	0	0.50	0.00	0
<b>Totals:</b>					<b>254.99</b>	<b>47</b>	<b>98</b>	<b>798</b>	<b>2</b>	<b>6.00</b>	<b>0.49</b>	<b>1</b>
					<b>114.75 Kg</b>	<b>21 Kg</b>	<b>44 Kg</b>	<b>1 Metric Tons</b>			<b>0.37 m3</b>	



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## EN1176:2008

This custom structure, drawing number IPL-VORTEX\_A, 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. [Eg. 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.

