

Acrobat

Equipment Manufacturer



350-1605



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Primary



Corduroy



Vibe



ACROBAT

CATALOG PRE-DESIGN



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Design Number: 350-1605 - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	7
2	ZZCH0038	3.5in OD x 148in STEEL POST W/ RIVETED CAP	2
3	ZZCH0038GZ	3.5in OD x 148in GROUND ZERO POST	2
4	ZZCH0058	3.5in OD x 172in STEEL POST W/RIVETED CAP	1
5	ZZCH0297	POST W/ LADDER CLIMBER (36in OR 48in DECK)	1
6	ZZPM0026	5in OD X 132in STEEL POST W/ RIVETED CAP	1
7	ZZPM0046	5in OD X 156in STEEL POST W/ RIVETED CAP	1
Decks & Kick Plates			
8	ZZCH0617	TRIANGULAR COATED DECK ASSEMBLY	2
9	zzCH0619	FULL HEX COATED DECK ASSEMBLY	1
10	ZZUN2290	COATED DECK TO DECK CONNECTION KIT	1
ADA Items			
11	ZZCH0678	NUVO- 48in TRANSFER STATION	1
Slides			
12	ZZCH3126	GLIDE SLIDE (48in DECK)	2
13	ZZUN3209	SLITHER SLIDE 2.0 (LEFT SECTION)	3
14	ZZUN3256	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	1
Activity Panels			
15	ZZCH4646	STORE FRONT PANEL	1
16	ZZCH4836	NUVO ACTIVITY PANEL	1
17	ZZUN4877	NUVO - SHIFTING SANDS PANEL INSERT	1
Barriers			
18	ZZCH4288	ACCESS GATE	2
Climbers			
19	ZZCH6756	4ft GEO CLIMBER	1
20	ZZCH6956	NUVO SWERVE CLIMBER	1
21	ZZCH8110	BEANSTALK CLIMBER (48in DECK)	1
Ground Zer0 Climbers			
22	ZZCH8398	THE HELIX	1
23	ZZCH8466	THE CRATER LADDER	1
24	ZZCH9089	ADVENTURE SLIDE - RIGHT ARCH	1
25	ZZUN6738	WHIRLWIND CLIMBER 48in	1
Audible Activities			
26	ZZCH4467	GROUND TO GROUND BABBLE-ON	1
Roofs & Arches			
27	ZZCH9698	16ft SHADE CANOPY	1
Additional Tool & Maintenance Kits			
28	ZZCHGUID	CHALLENGER GUIDELINES	1
29	ZZUN9910	SURFACING WARNING LABEL KIT	1
30	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1

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Design Number: 350-1605 - Compliance and Technical Data

Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM 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	ZZCH0028	7	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	304.57			410	0	7.00	0.88	0
2	ZZCH0038	2	3.5in OD x 148in STEEL POST W/ RIVETED CAP	Certified	94.22			127	0	2.00	0.25	0
3	ZZCH0038GZ	2	3.5in OD x 148in GROUND ZERO POST	Certified	94.02			127	0	2.00	0.36	0
4	ZZCH0058	1	3.5in OD x 172in STEEL POST W/RIVETED CAP	Certified	52.01			73	0	1.00	0.13	0
5	ZZCH0297	1	POST W/ LADDER CLIMBER (36in OR 48in DECK)	Certified	52.81			74	1	0.50	0.18	1
6	ZZPM0026	1	5in OD X 132in STEEL POST W/ RIVETED CAP	Certified	74.21			108	0	1.00	0.12	0
7	ZZPM0046	1	5in OD X 156in STEEL POST W/ RIVETED CAP	Certified	87.71			126	0	1.00	0.13	0
8	ZZCH0617	2	TRIANGULAR COATED DECK ASSEMBLY	Certified	59.80			240	4	2.00	0.00	0
9	zzCH0619	1	FULL HEX COATED DECK ASSEMBLY	Certified	151.26			444	6	1.50	0.00	0
10	ZZUN2290	1	COATED DECK TO DECK CONNECTION KIT	Certified	0.29			4	0	0.50	0.00	0
11	ZZCH0678	1	NUVO- 48in TRANSFER STATION	Certified	299.54			563	3	3.50	0.12	0
12	ZZCH3126	2	GLIDE SLIDE (48in DECK)	Certified	239.46			983	6	4.00	0.06	2
13	ZZUN3209	3	SLITHER SLIDE 2.0 (LEFT SECTION)	Certified	58.77			401	0	0.75	0.00	0
14	ZZUN3256	1	SLITHER SLIDE 2.0 SUPPORT LEG 2ft-6in	Certified	12.81			59	0	0.25	0.03	0
15	ZZCH4646	1	STORE FRONT PANEL	Certified	33.98			243	3	1.00	0.00	1
16	ZZCH4836	1	NUVO ACTIVITY PANEL	Certified	19.58			232	0	0.50	0.00	0
17	ZZUN4877	1	NUVO - SHIFTING SANDS PANEL INSERT	Certified	24.18			280	1	0.50	0.00	1
18	ZZCH4288	2	ACCESS GATE	Certified	34.68			131	0	1.00	0.00	0
19	ZZCH6756	1	4ft GEO CLIMBER	Certified	114.52			528	2	2.00	0.09	1
20	ZZCH6956	1	NUVO SWERVE CLIMBER	N/A	93.54			539	2	2.00	0.00	1
21	ZZCH8110	1	BEANSTALK CLIMBER (48in DECK)	Certified	77.27			323	2	1.50	0.03	1
22	ZZCH8398	1	THE HELIX	Certified	81.78			190	2	0.75	0.00	1
23	ZZCH8466	1	THE CRATER LADDER	Certified	79.95			375	1	0.50	0.00	1



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24	ZZCH9089	1	ADVENTURE SLIDE - RIGHT ARCH	Certified	352.55			876	4	0.00	0.38	2
25	ZZUN6738	1	WHIRLWIND CLIMBER 48in	Certified	151.75			635	2	2.00	0.23	1
26	ZZCH4467	1	GROUND TO GROUND BABBLE-ON	Certified	43.15			240	2	1.50	0.00	1
27	ZZCH9698	1	16ft SHADE CANOPY	Certified	17.71			1,421	0	1.00	0.00	0
28	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
29	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
30	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A	13.07			90	0	0.00	0.00	0
Totals:					2,719.24	371	745	9,841	41	41.75	2.98	14
					1,223.66 Kg	167 Kg	335 Kg	10 Metric Tons	2.26 m3			



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	ASTM F1487											
The lay-out for this custom playscape, design number 350-1605, has been configured to meet the requirements of the ASTM F1487 standard. In addition, each of the above components listed as "Certified" have been tested and are IPEMA certified. Components listed as "Not Applicable" do not fall within the scope of the ASTM F1487 standard and have not been tested. IPEMA certification can be verified on the IPEMA website, www.ipema.org . In the interest of playground safety, IPEMA provides a Third Party Certification Service which validates compliance.												
	2010 ADA Standards for Accessible Design											
The lay-out was also designed to meet the 2010 Standards published 15-Sep-2010, by the Department of Justice when installed over a properly maintained surfacing material that is in compliance with ASTM F1951 "Accessibility of Surface Systems Under and Around Playground Equipment" as well as ASTM F1292, "Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment", appropriate for the fall height of the structure.												
	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.												

