

Roundabout

Design Number: 500-1614 - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZPM0026	5in OD X 132in STEEL POST W/ RIVETED CAP	3
2	ZZPM0036	5in OD X 144in STEEL POST W/ RIVETED CAP	3
3	ZZPM0046	5in OD X 156in STEEL POST W/ RIVETED CAP	4
4	ZZPM0056	5in OD X 168in STEEL POST W/ RIVETED CAP	2
5	ZZPM0247	5in OD x 201in SWAGED STEEL POST	6
6	ZZPM0367	2ft POST EXTENSION FOOTER & CLAMP SUPPORT	6
Decks & Kick Plates			
7	ZZPM0616	SQUARE COATED DECK ASSEMBLY	6
8	ZZPM0617	TRIANGULAR COATED DECK ASSEMBLY	6
9	ZZPM2530	12in DECK TO DECK KICK PLATE	2
10	ZZUN2290	COATED DECK TO DECK CONNECTION KIT	6
ADA Items			
11	ZZPM0678	NUVO- 48in TRANSFER STATION	1
Slides			
12	ZZPM2727	TWIST AND SHOUT (48in DECK)	1
13	ZZPM3206	SLITHER SLIDE 2.0 ENTRANCE & EXIT	1
14	ZZPM3537	SLIDE- NUVO 360 SPIRAL SLIDE	1
15	ZZUN3208	SLITHER SLIDE 2.0 (RIGHT SECTION)	3
16	ZZUN3209	SLITHER SLIDE 2.0 (LEFT SECTION)	1
17	ZZUN3249	SLITHER SLIDE 2.0 SUPPORT LEG 3ft-6in	1
Activity Panels			
18	ZZPM4406	ACCESSIBLE DRIVING PANEL	1
19	ZZPM4648	POST MOUNT SCAVENGER HUNT	1
20	ZZPM4836	NUVO ACTIVITY PANEL	3
21	ZZUN4858	NUVO - CATACOMBS PANEL INSERT	1
22	ZZUN4868	NUVO - GEAR PANEL INSERT	1
23	ZZUN4877	NUVO - SHIFTING SANDS PANEL INSERT	1
Barriers			
24	ZZPM4496	GEO BARRIER	4
25	ZZPM4497	GEO ACCESS GATE	1
Climbers			
26	ZZPM6757	5ft GEO CLIMBER	1
27	ZZPM6997	GEO VERTICAL CLIMBER (60in DK)	1
28	ZZPM7008	GEO ARCH CLIMBER (72in DK)	1
29	ZZPM7168	6ft TOWER CLIMBER	1
30	ZZPM7956	SILO CLIMBER (60in DECK)	1
31	ZZPM8269	60in DOUBLE FLEX TREAD	1
Balance			
32	ZZUN7026	DROP ZONE (48in DECK)	1
Audible Activities			
33	ZZPM4467	GROUND TO GROUND BABBLE-ON	1
34	ZZPM4557	8in BELL (POST MOUNT)	1

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Ref. No.	Part No.	Description	Quantity
35	ZZPM4559	10in BELL (POST MOUNT)	1
36	ZZPM4649	POST MOUNT DRUM	1
Roofs & Arches			
37	ZZPM9717	HEX HAT SHADE (PM)	1
Additional Tool & Maintenance Kits			
38	ZZPMGUID	PLAYMAKER GUIDELINES	1
39	ZZUN9910	SURFACING WARNING LABEL KIT	1
40	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1

Roundabout

Post/Installation: Steel-Footed

Design Number: 500-1614 - Pricing Schedule
2016 Pricing

Ref. No.	Part No.	Qty.	Description	Unit Weight (lbs)	Unit List (US\$)	Total Weight (lbs)	Total List (US\$)
Modular Playscape:							
Posts							
1	ZZPM0026	3	5in OD X 132in STEEL POST W/ RIVETED CAP	74.21	267.00	222.63	801.00
2	ZZPM0036	3	5in OD X 144in STEEL POST W/ RIVETED CAP	80.91	284.00	242.73	852.00
3	ZZPM0046	4	5in OD X 156in STEEL POST W/ RIVETED CAP	87.71	330.00	350.84	1,320.00
4	ZZPM0056	2	5in OD X 168in STEEL POST W/ RIVETED CAP	92.51	347.00	185.02	694.00
5	ZZPM0247	6	5in OD x 201in SWAGED STEEL POST	118.71	355.00	712.26	2,130.00
6	ZZPM0367	6	2ft POST EXTENSION FOOTER & CLAMP SUPPORT	20.58	126.00	123.48	756.00
Decks & Kick Plates							
7	ZZPM0616	6	SQUARE COATED DECK ASSEMBLY	90.36	917.00	542.16	5,502.00
8	ZZPM0617	6	TRIANGULAR COATED DECK ASSEMBLY	46.4	725.00	278.40	4,350.00
9	ZZPM2530	2	12in DECK TO DECK KICK PLATE	11.95	103.00	23.90	206.00
10	ZZUN2290	6	COATED DECK TO DECK CONNECTION KIT	0.29	0.00	1.74	0.00
ADA Items							
11	ZZPM0678	1	NUVO- 48in TRANSFER STATION	350.34	2,211.00	350.34	2,211.00
Slides							
12	ZZPM2727	1	TWIST AND SHOUT (48in DECK)	185.2	1,739.00	185.20	1,739.00
13	ZZPM3206	1	SLITHER SLIDE 2.0 ENTRANCE & EXIT	97.18	1,407.00	97.18	1,407.00
14	ZZPM3537	1	SLIDE- NUVO 360 SPIRAL SLIDE	680	4,682.00	680.00	4,682.00
15	ZZUN3208	3	SLITHER SLIDE 2.0 (RIGHT SECTION)	19.59	374.00	58.77	1,122.00
16	ZZUN3209	1	SLITHER SLIDE 2.0 (LEFT SECTION)	19.59	374.00	19.59	374.00
17	ZZUN3249	1	SLITHER SLIDE 2.0 SUPPORT LEG 3ft-6in	15.01	164.00	15.01	164.00
Activity Panels							
18	ZZPM4406	1	ACCESSIBLE DRIVING PANEL	31.59	639.00	31.59	639.00
19	ZZPM4648	1	POST MOUNT SCAVENGER HUNT	17.3	670.00	17.30	670.00
20	ZZPM4836	3	NUVO ACTIVITY PANEL	33.44	857.00	100.32	2,571.00
21	ZZUN4858	1	NUVO - CATACOMBS PANEL INSERT	24.02	554.00	24.02	554.00
22	ZZUN4868	1	NUVO - GEAR PANEL INSERT	24.14	827.00	24.14	827.00
23	ZZUN4877	1	NUVO - SHIFTING SANDS PANEL INSERT	24.18	664.00	24.18	664.00
Barriers							
24	ZZPM4496	4	GEO BARRIER	56.38	1,052.00	225.52	4,208.00
25	ZZPM4497	1	GEO ACCESS GATE	44.6	702.00	44.60	702.00
Climbers							
26	ZZPM6757	1	5ft GEO CLIMBER	133.86	1,701.00	133.86	1,701.00
27	ZZPM6997	1	GEO VERTICAL CLIMBER (60in DK)	85.3	1,351.00	85.30	1,351.00
28	ZZPM7008	1	GEO ARCH CLIMBER (72in DK)	96.97	1,531.00	96.97	1,531.00



Roundabout

Post/Installation: Steel-Footed

Design Number: 500-1614 - Pricing Schedule
2016 Pricing

Ref. No.	Part No.	Qty.	Description	Unit Weight (lbs)	Unit List (US\$)	Total Weight (lbs)	Total List (US\$)
29	ZZPM7168	1	6ft TOWER CLIMBER	112.11	1,564.00	112.11	1,564.00
30	ZZPM7956	1	SILO CLIMBER (60in DECK)	81.77	987.00	81.77	987.00
31	ZZPM8269	1	60in DOUBLE FLEX TREAD	208.71	2,781.00	208.71	2,781.00
Balance							
32	ZZUN7026	1	DROP ZONE (48in DECK)	164.57	4,511.00	164.57	4,511.00
Audible Activities							
33	ZZPM4467	1	GROUND TO GROUND BABBLE-ON	45.47	662.00	45.47	662.00
34	ZZPM4557	1	8in BELL (POST MOUNT)	5.47	167.00	5.47	167.00
35	ZZPM4559	1	10in BELL (POST MOUNT)	7.19	185.00	7.19	185.00
36	ZZPM4649	1	POST MOUNT DRUM	14.22	361.00	14.22	361.00
Roofs & Arches							
37	ZZPM9717	1	HEX HAT SHADE (PM)	514.78	7,434.00	514.78	7,434.00
Additional Tool & Maintenance Kits							
38	ZZPMGUID	1	PLAYMAKER GUIDELINES	0	0.00	0.00	0.00
39	ZZUN9910	1	SURFACING WARNING LABEL KIT	0.05	0.00	0.05	0.00
40	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	13.07	0.00	13.07	0.00
Total:						6,064.46	62,380.00
Independent Items:							
Total:						0.00	0.00
Grand Total:						6,064.46	62,380.00

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.



Roundabout

Design Number: 500-1614 - Compliance and Technical Data

Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled (lbs)	Post-Consumer Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
1	ZZPM0026	3	5in OD X 132in STEEL POST W/ RIVETED CAP	Certified	222.63			325	0	3.00	0.36	0
2	ZZPM0036	3	5in OD X 144in STEEL POST W/ RIVETED CAP	Certified	242.73			352	0	3.00	0.39	0
3	ZZPM0046	4	5in OD X 156in STEEL POST W/ RIVETED CAP	Certified	350.84			506	0	4.00	0.52	0
4	ZZPM0056	2	5in OD X 168in STEEL POST W/ RIVETED CAP	Certified	185.02			271	0	2.00	0.26	0
5	ZZPM0247	6	5in OD x 201in SWAGED STEEL POST	Certified	712.26			926	0	6.00	0.72	0
6	ZZPM0367	6	2ft POST EXTENSION FOOTER & CLAMP SUPPORT	Certified	123.48			197	0	1.50	0.00	0
7	ZZPM0616	6	SQUARE COATED DECK ASSEMBLY	Certified	542.16			1,323	24	6.00	0.00	0
8	ZZPM0617	6	TRIANGULAR COATED DECK ASSEMBLY	Certified	278.40			1,016	12	6.00	0.00	0
9	ZZPM2530	2	12in DECK TO DECK KICK PLATE	Certified	23.90			39	0	0.50	0.00	0
10	ZZUN2290	6	COATED DECK TO DECK CONNECTION KIT	Certified	1.74			23	0	3.00	0.00	0
11	ZZPM0678	1	NUVO- 48in TRANSFER STATION	Certified	350.34			609	2	3.50	0.12	0
12	ZZPM2727	1	TWIST AND SHOUT (48in DECK)	Certified	185.20			662	4	3.00	0.06	1
13	ZZPM3206	1	SLITHER SLIDE 2.0 ENTRANCE & EXIT	Certified	97.18			449	2	2.00	0.03	1
14	ZZPM3537	1	SLIDE- NUVO 360 SPIRAL SLIDE	Certified	680.00			1,449	2	6.00	0.15	1
15	ZZUN3208	3	SLITHER SLIDE 2.0 (RIGHT SECTION)	Certified	58.77			401	0	0.75	0.00	0
16	ZZUN3209	1	SLITHER SLIDE 2.0 (LEFT SECTION)	Certified	19.59			134	0	0.25	0.00	0
17	ZZUN3249	1	SLITHER SLIDE 2.0 SUPPORT LEG 3ft-6in	Certified	15.01			62	0	0.25	0.03	0
18	ZZPM4406	1	ACCESSIBLE DRIVING PANEL	Certified	31.59			237	1	0.50	0.00	1
19	ZZPM4648	1	POST MOUNT SCAVENGER HUNT	Certified	17.30			271	3	2.00	0.00	1
20	ZZPM4836	3	NUVO ACTIVITY PANEL	Certified	100.32			793	0	1.50	0.00	0
21	ZZUN4858	1	NUVO - CATACOMBS PANEL INSERT	Certified	24.02			256	1	0.50	0.00	1
22	ZZUN4868	1	NUVO - GEAR PANEL INSERT	Certified	24.14			375	1	0.50	0.00	1
23	ZZUN4877	1	NUVO - SHIFTING SANDS PANEL INSERT	Certified	24.18			280	1	0.50	0.00	1
24	ZZPM4496	4	GEO BARRIER	Certified	225.52			805	0	4.00	0.00	0



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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
25	ZZPM4497	1	GEO ACCESS GATE	Certified	44.60			139	0	1.00	0.00	0
26	ZZPM6757	1	5ft GEO CLIMBER	Certified	133.86			561	2	2.00	0.09	1
27	ZZPM6997	1	GEO VERTICAL CLIMBER (60in DK)	Certified	85.30			259	2	1.00	0.00	1
28	ZZPM7008	1	GEO ARCH CLIMBER (72in DK)	Certified	96.97			275	2	2.00	0.06	1
29	ZZPM7168	1	6ft TOWER CLIMBER	Certified	112.11			256	2	2.00	0.90	1
30	ZZPM7956	1	SILO CLIMBER (60in DECK)	Certified	81.77			164	2	1.50	0.07	1
31	ZZPM8269	1	60in DOUBLE FLEX TREAD	Certified	208.71			1,169	2	4.00	0.12	1
32	ZZUN7026	1	DROP ZONE (48in DECK)	Certified	164.57			1,921	2	2.00	0.21	1
33	ZZPM4467	1	GROUND TO GROUND BABBLE-ON	Certified	45.47			248	2	1.50	0.00	1
34	ZZPM4557	1	8in BELL (POST MOUNT)	Certified	5.47			45	1	0.25	0.00	1
35	ZZPM4559	1	10in BELL (POST MOUNT)	Certified	7.19			50	1	0.25	0.00	1
36	ZZPM4649	1	POST MOUNT DRUM	Certified	14.22			174	1	0.50	0.00	1
37	ZZPM9717	1	HEX HAT SHADE (PM)	Certified	514.78			3,637	0	9.00	0.00	0
38	ZZPMGUID	1	PLAYMAKER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
39	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
40	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A	13.07			90	0	0.00	0.00	0
Totals:					6,064.46	848	1,704	20,749	72	87.75	4.09	19
					2,729.01 Kg	382 Kg	767 Kg	21 Metric Tons				3.11 m3



Roundabout

Design Number: 500-1614 - 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
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ASTM F1487

The lay-out for this custom playscape, design number 500-1614, 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.

