

Product Name	The Wave
Product Number	IM-1016
Size -- Diameter	15.00 m / 49' 3"
Size -- Height	3.45 m / 11' 4"
Foundations	9
Concrete Volume	9.00 m <sup>3</sup> / 317.8 ft <sup>3</sup>

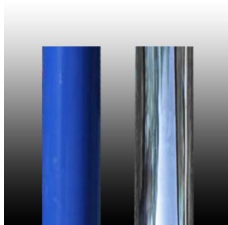
	<b>ASTM F-1487</b>	<b>CSA Z614</b>	<b>EN 1176</b>
Ages	5 years - 12 years	5 years - 12 years	6 years - 14 years
Capacity	80	80	80
Use Zone -- Diameter	18.66 m / 61' 3"	18.66 m / 61' 3"	18.00 m / 59' 1"
Fall Height	3.45 m / 11' 4"	3.45 m / 11' 4"	3.45 m / 11' 4"

\*Note: Concrete must be minimum 3500 PSI / 25MPa

## Product Features:

<b>SUPPORT POSTS:</b>	This will be 5 1/2" (139.8mm) OD Schedule 10, painted phosphate dipped steel tubing.
<b>CONTOURED POSTS:</b>	This will be 8 1/2" (216.3mm) OD with a minimum 1/4" (5.8mm) wall thickness. These will be painted and phosphate dipped.
<b>PHOSPHATE CONVERSION COATING:</b>	This process will be used to aid in corrosion resistance by immersing the steel in a hot alkaline solution. This step removes surface contaminants before being immersed in a phosphoric acid and iron phosphate solution to create a protective, corrosive resistant surface, that also aids in the bonding of powder coating or other paints.
<b>RECOATABLE EPOXY PRIMER:</b>	This will be a rust inhibitive high build catalyzed polyamide/bisphenol A epoxy primer designed for fast dry and quick or extended recoatability. This primer will contain zinc phosphate to improve corrosion resistance and will have a flat finish. Additionally this primer can be applied in temperatures as low as 35F (1.5C).
<b>HI-SOLIDS POLYURETHANE:</b>	This will be a two-component, low VOC, aliphatic, acrylic polyurethane resin coating. It is designed for high performance protection with outstanding exterior gloss and color retention. This coating will also have very good resistance to corrosion and weathering.
<b>CLIMBING NETS:</b>	These will be 20 mm diameter, polyamide (nylon) rope cable with UV protection and fire retardant solution. Each rope consists of 6 strands each containing 24 galvanized steel reinforcing strands within a polyamide sleeve, wrapped around a solid polyamide core for a total of 144 steel reinforcing strands. Rope shall achieve a Class 7-8 Colourfastness rating.
<b>BALL KNOTS:</b>	This will be a one-piece compressed aluminum ball, compressed in place with 150,000 pounds force (667 kN) to prevent the connection from moving and causing premature cable wear.
<b>IGLOO CONNECTOR:</b>	This will be a stainless steel connector allowing for 1 plane of motion. The male end of the connector is secured to the rope ends with a stainless steel sleeve which is bolted to the female end on the frame.

BASIC FASTENERS:	All fasteners for component attachments are stainless steel.
INSTALLATION:	This should be installed only by a licensed playground installer, trained and certified on the relevant playground standards in place in the region of installation, e.g., NPSI, CPSI or similar certified.
COMPLIANT WITH:	<b>CAN/CSA-Z614-07</b> <b>ASTM F-1487-11</b> <b>EN-1176</b> <b>CPSC Handbook for Public Playground Safety</b>



Support Posts



Climbing Net - 20 mm



Ball Knot



Igloo Connector