



Product Name	Beehive w/ Planar Nets
Product Number	DX-814
Size -- Length	5.859 m / 19' 2 5/8"
Size -- Width	5.859 m / 19' 2 5/8"
Size -- Height	4.446 m / 14' 7"
Foundations	13
Concrete Volume	10.48 m <sup>3</sup> / 370.20 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 - 12 years
Capacity	47	47	47
Use Zone -- Length	9.514 m / 31' 2 5/8"	9.457 m / 31' 0 3/8"	10.805 m / 35' 5 3/8"
Use Zone -- Width	9.514 m / 31' 2 5/8"	9.457 m / 31' 0 3/8"	10.805 m / 35' 5 3/8"
Use Zone -- Area	76.94 m <sup>2</sup> / 828.2 ft <sup>2</sup>	76.04 m <sup>2</sup> / 818.5 ft <sup>2</sup>	98.53 m <sup>2</sup> / 1060.5 ft <sup>2</sup>
Fall Height	2.961 m / 9' 8 5/8"	2.961 m / 9' 8 5/8"	2.961 m / 9' 8 5/8"

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

## Product Features:

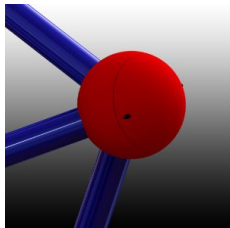
<b>SUPPORT POSTS:</b>	These will be 2 3/8" (60.5mm) OD steel tubing, finished with polyester powder coating.
<b>PIPE JUNCTIONS:</b>	These will be cast aluminum, 5/8" (16mm) wall thickness, 8" (200mm) diameter with integrated holes for pipe connections, finished with polyester powder coating. Junction caps are affixed with stainless steel bolts.
<b>20MM ROPE:</b>	The rope is 20 mm diameter polyester rope cable with built in UV protection and fire retardant properties. The rope achieves a class 7-8 colourfastness rating. The rope is manufactured to consist of six twisted strands with each strand containing 19 galvanized steel wires. The six strands are twisted around a solid polymer core.
<b>PENDULUM STEPPER:</b>	This will be a steel disc coated in a PAH free EPDM (ethylene propylene diene monomer) rubber. The rubber disc will be suspended with a polyamide rope cable having UV protection and fire retardant solution.
<b>BALL KNOTS:</b>	This will be a one-piece compressed aluminum ball, compressed in place with 150 tons force (667 kN) to prevent the connection from moving and causing premature cable wear.
<b>BASIC FASTENERS:</b>	All fasteners for component attachments are stainless steel.
<b>FOUNDATION:</b>	These will be 16" (406mm) square steel plates, 1/2" (18mm) thick, bolted to concrete blocks and attached to the main structure with 12" (300mm) long, 2 3/8" (60.5mm) OD steel tubing, finished with polyester powder coating.
<b>SURFACE MOUNT:</b>	This product will be surface mounted utilizing 10" (250mm) long expansion bolts.
<b>INSTALLATION:</b>	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:

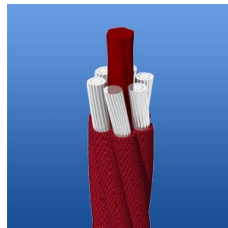
**CAN/CSA-Z614**  
**ASTM F-1487**  
**EN-1176**  
**CPSC Handbook for Public Playground Safety**



Support Posts



Pipe Junctions



Climbing Net - 20 mm



Ball Knot



Footing



Expansion Bolt