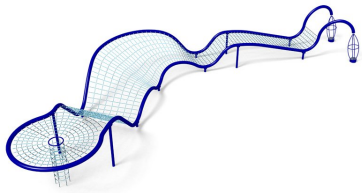
PRODUCT SPECIFICATION



Product Name	The Scorpion
Product Number	IM-1032
Size -- Length	24.32 m / 79' 9"
Size -- Width	14.35 m / 47' 1"
Size -- Height	3.67 m / 12' 0"
Foundations	14
Concrete Volume	14.00 m^3 / 494.4 ft^3

	ASTM F-1487	CSA Z614	EN 1176
Ages	5 years - 12 years	5 years - 12 years	6 years - 12 years
Capacity	140	140	140
Use Zone -- Length	27.99 m / 91' 10"	27.99 m / 91' 10"	29.13 m / 95' 7"
Use Zone -- Width	18.04 m / 59' 2"	18.04 m / 59' 2"	19.18 m / 62' 11"
Fall Height	2.85 m / 9' 4"	2.85 m / 9' 4"	2.85 m / 9' 4"

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

Product Features:

SUPPORT POSTS:	This will be 4 1/2" (114.3mm) OD Schedule 40 6061-T6 aluminum tubing with a minimum 15/64" (6.02mm) wall thickness. The posts will be connected to the contoured frame by sleeving into a coped housing to prevent exposed joints.
CONTOURED FRAME:	This will be 8 5/8" (219.08mm) OD Schedule 40 6061-T4 aluminum tubing with a minimum 21/64" (8.179mm) wall thickness.
JOINT COVERING:	To prevent exposed joints, all joints along the contoured frame will be covered with a machined sleeve; this will be 9 1/2" OD (241.3 mm) 6061-T6 aluminum with a minimum 1/2" (12.7 mm) wall thickness.
PAINT PROCESS:	All exposed aluminum will be finished with polyester powder coating. Prior to the powder coating application, the surface will undergo sandblasting and will be treated with an electrostatic primer having a minimum thickness of 1.5 mils.
CLIMBING NETS:	These will be 20 mm diameter, polyester rope cable with UV protection and fire retardant solution. Each rope consists of 6 strands each containing at least 24 galvanized steel reinforcing strands within a polyester sheath, wrapped around a solid polymer core for a minimum of 144 steel reinforcing strands. Rope shall achieve a Class 7-8 Colourfastness rating.
BALL KNOTS:	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.
IGLOO CONNECTOR:	This will be a stainless steel connector allowing for 1 plane of motion. The female end of the connector is secured to the rope ends with a stainless steel sleeve which is bolted to the male end on the frame. The securing bolt will thread directly into the Igloo Connector.
BASIC FASTENERS:	All fasteners for component attachments are stainless steel.

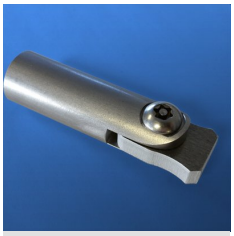
INSTALLATION: This should be installed only by a licensed playground installer, trained and certified on the relevant playground standards in place in the region of installation, e.g., NPSI, CPSI or similar certified.

COMPLIANT WITH:

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

Climbing Net - 20 mm

Ball Knot



Igloo Connector