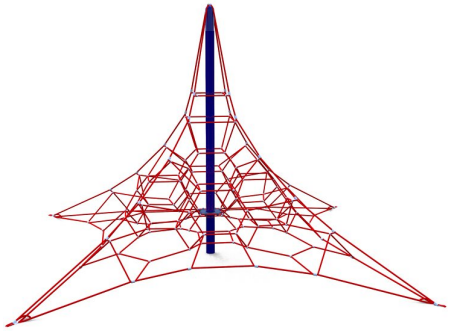
PRODUCT SPECIFICATION



Product Name	Genesis
Product Number	DX-101
Size -- Length	5.53 m / 18' 2"
Size -- Width	5.53 m / 18' 2"
Size -- Height	3.97 m / 13' 0"
Shipping Weight	350 kg / 771.6 lb
Shipping Volume	1.10 m^3 / 38.8 ft^3
Foundations	5
Concrete Volume	2.49 m^3 / 87.9 ft^3

	ASTM F-1487	CSA Z614	EN 1176
Ages	5 years - 12 years	5 years - 12 years	6 years - 12 years
Capacity	36	36	36
Use Zone -- Length	9.19 m / 30' 2"	9.13 m / 29' 11"	8.51 m / 27' 11"
Use Zone -- Width	9.19 m / 30' 2"	9.13 m / 29' 11"	8.51 m / 27' 11"
Fall Height	1.83 m / 6' 0"	1.37 m / 4' 6"	0.51 m / 1' 8"

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

Product Features:

SUPPORT POSTS: This will be 5 1/2" (139.8mm) OD phosphate dipped steel tubing, finished with polyester powder coating.

POST SHIELDS: Where required, these will completely surround the post to fill in openings in the net, preventing entrapments. Shields will be made of a textile-reinforced flexible rubber material and secured with bolts.

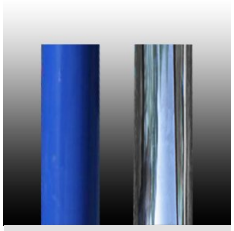
CLIMBING NETS: This will be 20mm diameter and 22mm diameter, polyamide (nylon) rope cable with UV protection and fire retardant solution. Each rope consists of 6 strands each containing 24 steel reinforcing strands within a polyamide sleeve, wrapped around a solid polyamide core for a total of 144 steel reinforcing strands; each end of the cable having a junction loop attached onto the cable with a finished aluminum sleeve and lined with a galvanized steel wear bar. Edge ropes will contain a solid core of wound steel cables in place of the polyamide core for a total of 168 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 150,000 pounds force (667 kN) to prevent the connection from moving and causing premature cable wear.

BASIC FASTENERS: All fasteners for component attachments are stainless steel.

TURNBUCKLES: These will be steel alloy that will withstand a maximum load of over 87,675 pounds force (390 kN) along the main axis.

MOUNTING PLATES:	These will be made of galvanized steel. Corner anchors will contain multiple connection points to allow for adjustability of the turnbuckles as well as connection of a safety rope. Centre mast anchors will consist of a stub post that will stabilize the mast and an anchor ring that will secure the assembly to the concrete. This two-piece assembly allows for fine positioning of the post stub to be accomplished during installation, making the process simpler and easier.
ANCHOR BOLTS:	Mounting plates will be secured to concrete blocks with 7/8" (22mm) diameter x 20" (500mm) long "L" Anchor bolts, inserted into the wet concrete when poured.
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**
TÜV CERTIFIED:	Certified to EN 1176:2008 TÜV Rhineland Certificate N° AK50162502
IPEMA CERTIFIED:	The DX-101 identified in this specification sheet is IPEMA certified. The use and layout of the DX-101 conforms to the requirements of ASTM F1487 and CSA Z614. To verify product certification visit www.ipema.org.
OPTIONS:	Optional Equipment: · Net Seat (Max. Qty: 4) #DX-NS · Poured-In-Place Enclosure (Max. Qty: 4) #DX-PIP-01 · Polished Stainless Steel Post (Max. Qty: 1) #SS-POST

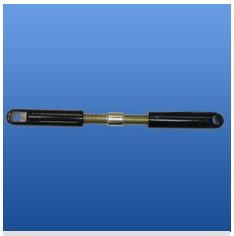

Support Posts

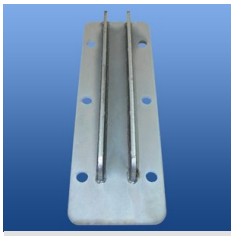
Seat & Shield Connector

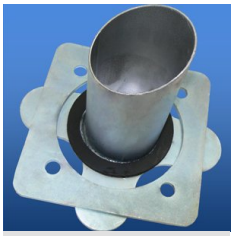
Climbing Net - 20 mm

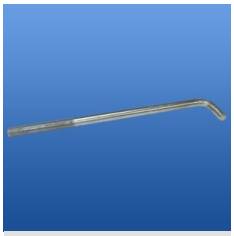
Climbing Net - 22 mm

Ball Knot


Turnbuckle


Corner Anchor Plate


Adjustable Centre Anchor



Anchor Bolt

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