

Product Name	Asteroid
Product Number	DX-902
Size -- Diameter	4.00 m / 13' 1"
Size -- Height	3.50 m / 11' 6"
Foundations	6
Concrete Volume	0.75 m <sup>3</sup> / 26.5 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	34	34	34
Use Zone -- Diameter	7.86 m / 25' 9"	7.86 m / 25' 9"	7.20 m / 23' 7"
Fall Height	1.45 m / 4' 9"	2.91 m / 9' 7"	1.45 m / 4' 9"

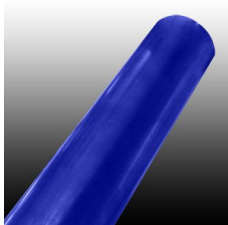
\*Note: Concrete must be minimum 3500 PSI / 25MPa



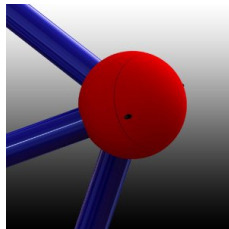
## Product Features:

- SUPPORT POSTS:** These will be 2 3/8" (60.5mm) OD phosphate dipped steel tubing, finished with polyester powder coating.
- PIPE JUNCTIONS:** 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.
- CLIMBING NETS:** 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; 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. 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.
- TENSIONING:** Tensioning is achieved by way of a galvanized threaded eyebolt and shackle located at each Pipe Connection capable of drawing the cables a minimum of 4" (100mm).
- BASIC FASTENERS:** All fasteners for component attachments are stainless steel.
- FOUNDATION:** These will be 10" (250mm) square steel plates, 1/8" (3mm) thick, bolted to concrete blocks and attached to the main structure with 12" (300mm) long, 2 3/8" (60.5mm) OD steel tubing, all finished with either polyester powder coating or hot dipped galvanization.

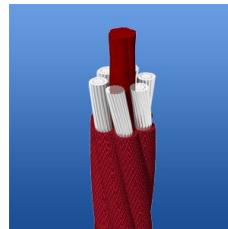
- ANCHOR BOLTS:** Mounting plates will be secured to concrete blocks with 7/8" (22mm) diameter x 20" (500mm) long "L" Anchor bolts, inserted into the wet concrete when poured.
- SURFACE MOUNT:** Optionally, the product may be surface mounted utilizing 6" (150mm) long expansion bolts in place of the standard anchor bolts.
- 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**
- IPEMA CERTIFIED:** The DX-902 identified in this specification sheet is IPEMA certified. The use and layout of the DX-902 conforms to the requirements of ASTM F1487 and CSA Z614. To verify product certification visit [www.ipema.org](http://www.ipema.org).



Support Posts



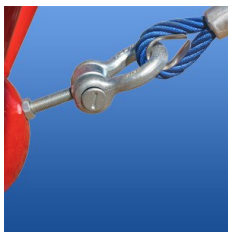
Pipe Junctions



Climbing Net - 20 mm



Ball Knot



Shackle



Footing



Anchor Bolt



Expansion Bolt