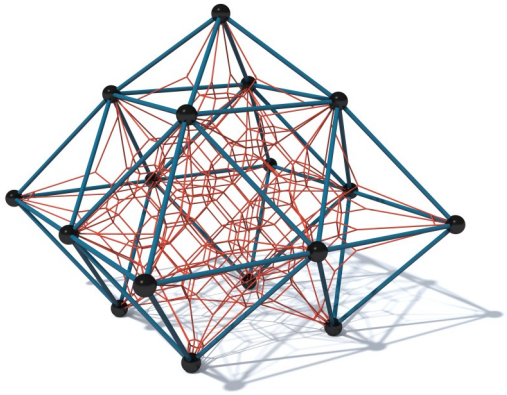
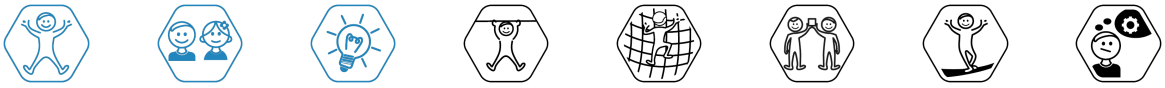
DIAMANTO 45

Code: CR-LI-D45





Physical | Social-emotional | Cognitive | Hanging | Climbing | Socialisation | Balancing | Thinking

Description

Spatial diamond-shaped climbing structure. The structure is made of interconnected steel pipes and it is based on four support points, converging to the inside of the body. The pipes are connected to each other by means of 17 metal balls that form the tops of the structure. Inside each ball has a rope tension adjustment system. The space inside the device is evenly filled with a multi-directional network of reinforced polyester 18mm thick ropes. Crossing ropes are connected by means of factory-pressed aluminium balls or connectors, which do not require any screws to be screwed into them (which weakens the ropes and poses a risk of injury to users).

The device includes:

- Rigid diamond-shaped structure with four support points, made of steel pipes with a diameter of 60 mm and wall thickness of 3,65 mm,
- 17 metal balls connecting pipes with a diameter of 250 mm,
- A net made of reinforced polyester ropes, 18 mm thick, spreading symmetrically inside the device,
- Rope tension adjustment system located inside at each of the balls (the ropes are entered inside the balls where they are conected to the tension system),
- Rope connectors, located where the ropes cross, in the form of factory-pressed aluminium balls or connectors that do not require any screws to be screwed into the ropes (which weakens the ropes and poses a risk of injury to users). It is not allowed to use plastic connectors or wire braid (e.g. in the form of cloverleaf, forgings, etc.)

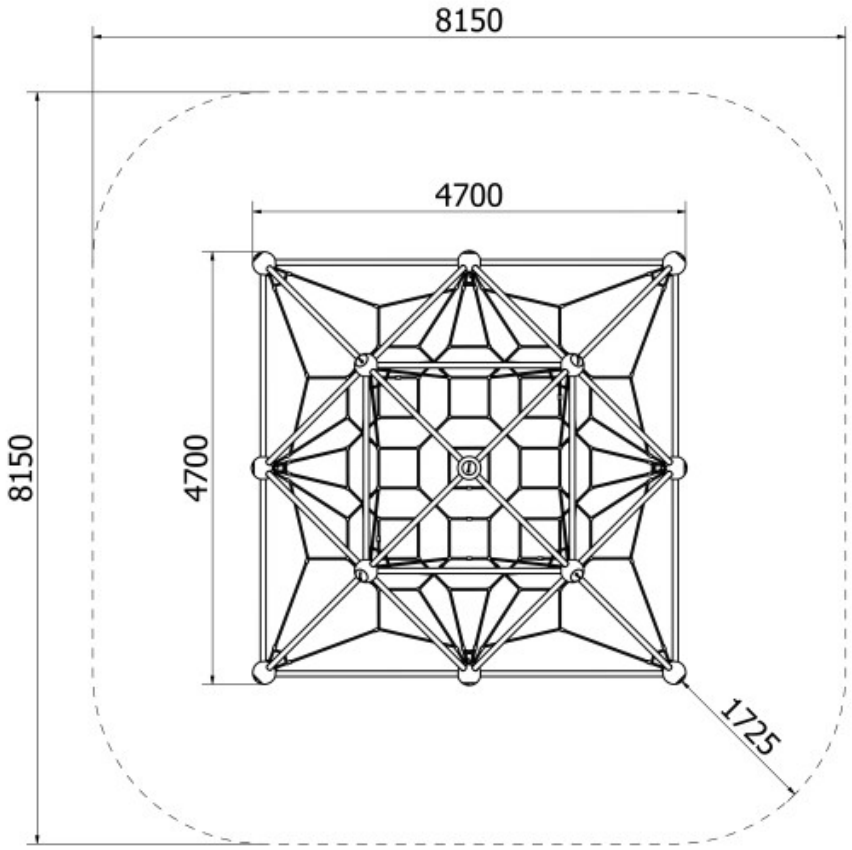
Product details

- Device dimensions (LxWxH): 4,7 x 4,7 x 4,5 m
- Safety area: 8,15 x 8,15 m
- Maximum free fall height: 1,82 m
- Structural pipe diameter: Ø60 mm, wall thickness 3,65 mm
- Diameter of the aluminium balls connecting the pipes: 250 mm
- Thickness of the ropes: 18 mm
- Number of users: 54 people
- A certificate confirming compatibility with norm EN 1176
- Dimensional differences not greater than +/- 5% are allowed

Materials

- Structure is made of steel pipes protected against corrosion, powder coated; the pipes have a diameter of 60 mm and a wall thickness of 3,65 mm.
- Construction is connected by metal balls with diameter 250 mm where the tension system is locate.
- Polyester ropes are 18 mm thick. They are made of a core and 6 reinforced strands entwining it. The ropes are UV resistant and flame retardant - which ensures safety and colour stability for many years.
- Rope connectors, located where the ropes cross, in the form of factory-pressed aluminium balls or connectors do not require any screws to be screwed into the ropes (which weakens the ropes and poses a risk of injury to users). It is also not allowed to use plastic connectors or wire braid (e.g. in the form of cloverleaf, forgings, etc.), which guarantees the safety of users - eliminates the possibility of injury.

All images are for illustration purpose only and may vary from the actual product.


8150
4700
8150
4700
1725