

Geos

Geoball.029 Product Specification



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Geoball.029

These structures are ideal for climbing on the inside or outside. The Geos offer enough space on the inside to play soccer or as a safe play area with plenty of room for hammocks or ladders. The pure carbon molecule C₆₀ consists of 12 pentagonal and 20 hexagonal carbon rings with a total of 60 atoms – one at each corner: the shape of a soccer ball. Geos are constructed according to the same principle. The Geos can be varied in diameter by changing the tube lengths. Three types are available for different

dome sizes.

The Geoball.029 is an open dome made of net elements which looks like a giant strawberry due to its colour scheme and add-on elements. Despite being an old classic, the “Geoball” as the geodesic dome is termed, is fully in line with the trend due to its numerous play functions.

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 Product Family	Geos
 Length x Width x Height (m) Length x Width x Height ("'-")	7,3 x 7,3 x 4,5 24-0 x 23-10 x 14-7
 Protective Surfacing Area acc. to DIN EN 1176 (m) Protective Surfacing Area acc. to ASTM/CSA (m) Protective Surfacing Area acc. to ASTM/CSA ("'-")	10,3 x 10,3 11,0 x 11,0 36-0 x 35-10
 Fall Height acc. to EN 1176 (m) Fall Height acc. to ASTM/CSA ("'-")	2,90 9-6
 Age	5
 Minimum Space required acc. to DIN EN 1176 (m ²) Minimum Space required acc. to ASTM 1487 (ft ²)	82,4 1.005,4
 Number of Foundations	9
 Concrete Volume C20/C25 (m ³)	2,2
 Number of skilled Installers required	2
 Installation Time without Foundation	20 hours
 Dimensions of largest Part (m)	Ø 0,133 x 5,7
 Weight of heaviest Part (kg)	150
 Shipping Volume (m ³)	On request
 Total Weight (kg)	On request
 Spare Part Guarantee	Lifelong

The dimensions of the equipment and protective surfacing area have been rounded up to one decimal digit.

Technical Data

Technical changes are reserved. The following text can also be used for tenders.

Included Products:

- Hammock
- Climbing ropes
- Hand over hand loop rope
- Rope ladder

Tubes:

Framework[®]-steel pipes with a diameter of Ø 60,3 mm (2 3/8"), anticorrosion treatment and colour finish: sandblasting and epoxy-/ polyester-process.

Balls:

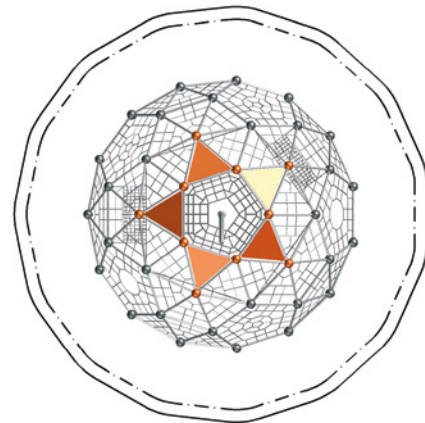
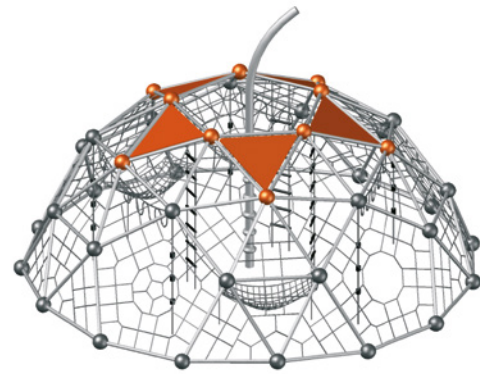
Framework[®]-aluminium ball connectors with a diameter of Ø 250 mm (9 13/16"). Anticorrosion treatment and colour finish: sandblasting and epoxy-/ polyester-process; secured with durable ebonite caps.

Ropes:

U-Rope[®]-round strand ropes with galvanised steel cores, Ø 16 mm (5/8"); external strands are covered with high abrasion-resistant and UV-resistant polyester-yarn (no Polypropylene).

Net:

Rope crossing points localised with hydraulically pressed ball knots comprised of corrosion resistant forged alloyed aluminium (no plastic).



Hammocks:

Hammock net with mesh width 100 x 130 mm (3 15/16" x 5 1/8") and rope crossing points with corrosion-resistant, drop-forged aluminium parts (ball joints), hydraulically pressed.

Climbing Ropes:

All ropes with a diameter of Ø 18 mm (1 1/16"). The vertical ropes have worked-in ebonite cylinders with a distance of 250-300 mm (9 13/16" to 11 13/16").

Hand-Over-Hand Loop Ropes:

Rope diameter Ø 18 mm (1 1/16"); length per loop approx. 110 mm (4 5/16") and a clear diameter. The loops are durable fixed to a horizontal rope with aluminium ferrules.

Rope Ladder:

Rope diameter Ø 16 mm (5/8"), black polyamide rungs with a diameter of Ø 40 mm (1 1/16").